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Baldor Cross Reference Guide is now a separate catalog. To order use catalog number FM411.

Pricing and Data subject to change without notice.

General
Information

Single Phase
Motors

General Purpose

Premium Efficient
Super-E® Motors

C-Face
Industrial Motors

Severe Duty
Motors

Washdown Duty
Motors

Explosion Proof
Motors

Pump Motors

Commercial
Motors

Approvals UL and CSA

AC Motors --All NEMA 42 through 449T, equivalent IEC frame motors (Inverter and Vector Drive motors) are listed under UL recognized component file # E46145. All NEMA 42 through 449T frame motors are listed under CSA recognized component, file # LR2262. TEFC or TEBC 5000 and 5800 frame motors up to 4160 volts, and a maximum of 900 HP-2 pole, 800 HP-4 pole, and 700 HP-6 pole are listed under CSA recognized component file # LR36841-7. 5000 and 5800 ODP, WPI and WPII listing is pending.

Explosion Proof -- UL listed file # E6951. All listed products, AC and DC NEMA frames 48 and 56 with Baldor type number X34** have CSA certified file # LR63415. Other NEMA frame 56, and 143T through 215T have CSA certified file # LR22553. NEMA frames 254T thru 449T have CSA certified file # LR48703.

DC Motors -- All NEMA 42 through 184T frame motors and Subfractional HP DC motors and gear motors are listed under UL recognized component file # E46145. All motors (except Subfractional motors) are listed by CSA recognized component file # LR2262. Integral HP wound field motors and generators (built in Ft Mill, SC) are listed by CSA, file number LR36841-5.

DC Tachometers -- XPY tachometers are UL recognized, file number E109527 and CSA listed file number LR36841-5.

DC SCR Controls and Accessories -- Controls with catalog numbers BC138, BC139, BC140, BC140-FBR, BC141, BC142, BC155, BC154, BCWD140, BC160, BC200, BC201, BC202, BC203 and BC204 and accessories BC24-LF, BC145, BC146, BC147, BC151, BC211 and BC212 are UL listed for US and Canada. UL file number E114039. BC153 is UL component recognized for US and Canada. BC254, BC354, BC214, BC215, BC216, BC217, BC218, BC245, BC253, BC258, BC259, DSP4-120, DSP4-240, DTM8000-120, DTM8000-240, HPU10, RK60-56 and RK60-145 are pending – contact Baldor for status. Larger SCR controls Series 19H and 20H are UL and cUL Listed, UL file number E128059. SCR controls Series 29D and 30D are UL and cUL listed, UL file E128059.

AC Inverter and Vector Controls -- UL listed, file number E128059.

AC Soft Starters -- All units are CUL listed, file number E114039 except catalog item S25CA.

UL AND CSA EXPLOSION-PROOF CLASSIFICATIONS

1. Hazardous Locations
Class I Group D locations are atmospheres containing elements such as Gasoline, Hexane, Naphtha, Benzene, Butane, Propane, Alcohol, Acetone, Benzol, Lacquer Solvent Vapors or Natural Gas.
Class I Group C locations are atmospheres containing elements such as Ethyl-ether, Ethylene and Cyclopropane.
Class II Group F & G locations are atmospheres containing dust such as (F) Carbon Black, coal or Coke Dust, (G) Flour, Starch or Grain Dusts.
2. As required by Underwriters Laboratories and Canadian Standards Association, explosion-proof motors with Class II Group F & G approvals must have over temperature protection.
Explosion-Proof Motors rated 1 1/2 HP or less have internally mounted automatic thermal overloads when indicated by suffix "A". Caution must be observed when applying these to machinery applications to prevent accidental injury should the thermal device automatically reset and restart the motor.
Explosion-Proof Motors rated 1 HP and larger without automatic thermal overloads have thermostats in the windings. These thermostats are pilot circuit devices to be connected to the magnetic starter circuit.
3. Surface temperatures of Baldor Explosion-Proof Motors will not exceed the following UL and CSA maximums under fault conditions.
 - A. Class I, Group D listings only.
 - ① Motors with Class B insulation will not exceed surface temperatures of 230°C (446°F) equivalent Code T2C.
 - ⑥ Motors with Class F insulation and 1.0 S.F. will not exceed surface temperatures of 280°C (536°F) equivalent to Code T2A.
 - B. Class I, Group C & D listings only.
 - ⑤ Motors with Class F insulation and 1.15 S.F. will not exceed surface temperature of 160°C (320°F) equivalent to Code T3C.
 - C. Class I, Group D, Class II Group F & G listings.
 - ③ Shunt wound DC motors, 182 through 215 frames, 1/2 through 3 HP, will not exceed surface temperatures of 165°C (329°F) equivalent to Code T3B.
 - ⑦ Fractional HP motors in Baldor type 35 will not exceed surface temperatures of 135°C (275°F) equivalent to Code T4.
 - ⑦ Frames 364T through 449T will not exceed surface temperatures of 135°C (275°F) equivalent Code T4.
 - ⑧ Fractional HP motors in Baldor type 34, and 1 HP motors and greater built in Baldor type 35, frames 143T through 326T will not exceed surface temperature of 160°C (320°F) equivalent to Code T3C.
 - ⑧ Fractional HP motors in Baldor type 34, and permanent magnet DC motors in Baldor type 34 and 35, will not exceed surface temperatures of 160°C (320°F) equivalent to Code T3C.
 - D. Class 1, Group C & D, Class II, Group F & G listings.
 - ② Baldor Frames 182T through 449T will not exceed surface temperatures of 135°C (320°F) Code T4.
4. Not suitable for applications in temperatures below -25°C (-13°F).
5. All Explosion-Proof motors are supplied with Explosion-Proof UL and CSA approved conduit boxes as standard.
6. Baldor AC Explosion Proof Motors, beginning on 71-76, are not approved for use on variable voltage or variable frequency controls. Inverter Duty Explosion Proof motors (page 165) must be used.

CAUTION!

Motors misapplied in hazardous environments can cause a fire or explosion resulting in destruction of property, serious injury or death. Only the end user or a qualified underwriter is to identify and select the proper class, group, division, and temperature code motor to meet the requirements of each installation. Baldor personnel can advise what listings and approvals Baldor motors carry, but cannot evaluate nor recommend what motors may be suitable for use in hazardous environments.

Limited Warranty

Baldor Electric Company and its employees are proud of our products and are committed to providing our customers and end users with the best designed and manufactured motors, drives and other Baldor products. This Limited Warranty and Service Policy describes Baldor's warranty and warranty procedures.

Comments and Questions: We welcome comments and questions regarding our products. Please contact us at:

Customer Service: Baldor Electric Company
P.O. Box 2400
Fort Smith, Arkansas 72902-2400
Facsimile: 479-648-5791
Website: www.baldor.com

or refer to page 415 of this catalog for a list of District Offices in your area.

Scope of Warranty: All Baldor standard motors are warranted against defects in Baldor workmanship and materials.

Warranty Period: Most Baldor products are warranted for 18 months from the date of shipment to Baldor's customer from Baldor's district warehouse or, if applicable, from Baldor's factory. Baldor Standard-E® standard efficient motors are warranted for 24 months. Standard-E is limited to three phase, general purpose, 1-200 HP ratings that fall under the Energy Policy Act (EPAAct). Baldor Super-E® premium efficient motors are warranted for 36 months. Baldor IEEEE841 motors are warranted for 60 months. Baldor commercial motors are warranted for 18 months (see separate warranty statement). Baldor control products are warranted for 24 months. All warranty claims must be submitted to a Baldor Service Center prior to the expiration of the warranty period.

Warranty Service Center Locations: Warranty service is available for all Baldor products from Baldor's Customer Service Center in Fort Smith, Arkansas, and from Baldor Authorized Service Centers. A list of Baldor's Authorized Service Centers is available in catalog #505 on CD, Baldor website: www.baldor.com and from any Baldor District Office or by contacting us at the above location.

Procedure to Receive Warranty Service: Customers should take or ship prepaid the Baldor product requiring warranty service to a Baldor Authorized Service Center. Please include an explanation of the defect or problem, a description of the way in which the Baldor product is used, and your name, address and telephone number.

Repair by Other than a Baldor-Authorized Service Center: Customers who are unable to take or ship the Baldor product to a Baldor Authorized Service Center, or who desire a repair to be made by other than a Baldor Authorized Service Center, should contact the local Baldor District Office. A repair by anyone other than a Baldor Authorized Service Center must be approved in advance by Baldor.

Repairs or Replacement Within the Scope of the Warranty: If a Baldor product is defective due to Baldor workmanship or materials and the defect occurs during the warranty period, then Baldor will either repair the product or replace it with a new one, whichever Baldor believes to be appropriate under the circumstances. Baldor is not responsible for removal and shipping of the Baldor product to the service center, the reinstallation of the Baldor product upon its return to the customer, or any incidental or consequential damages resulting from the defect, removal, reinstallation, shipment or otherwise.

Repairs Outside the Scope of the Warranty: Problems with Baldor products can be due to improper maintenance, faulty installation, non-Baldor additions or modifications, or other problems not due to defects in Baldor workmanship or materials. If the Baldor Authorized Service Center determines that the problem with a Baldor product is not due to defects in Baldor workmanship or materials, then the customer will be responsible for the cost of any necessary repairs. Customers not satisfied with a determination that a problem is outside of warranty coverage should contact the Baldor District Office for further consideration.

Intended Use: Baldor products are designed for industrial, commercial and agricultural use rather than household, family or personal use.

Product Specifications: All product specifications, applications and other information provided in Baldor's catalog and publications are subject to correction and change without notice and should be confirmed with the Baldor District Office prior to ordering.

Extended Warranties: Extended warranties are available for certain Baldor products. These warranties are described in Baldor's catalog and other sales literature. Extended warranties are subject to the terms and procedures of this Limited Warranty and Service Policy as modified by the additional terms of the extended warranty.

No Other Warranties and Liability Limitation: This Limited Warranty and Service Policy represents Baldor's sole and exclusive warranty obligation with respect to Baldor products. Baldor's liability to a customer or any other person shall not exceed the Baldor's sales price of the applicable Baldor product. BALDOR DISCLAIMS ALL OTHER EXPRESSED AND IMPLIED WARRANTIES INCLUDING THE IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND MERCHANTABILITY.

Trademark Notices

BALDOR®, BALDOR MOTORS AND DRIVES®, BALDOR SmartMotor®, BALDOR STANDARD-E®, BALDOR SUPER-E®, BIG RED®, DIRTY DUTY®, INVERTER DRIVE®, ISR®, INVERTER SPIKE RESISTANT®, MOD EXPRESS®, POW'R GARD®, VALUE FORMULA®, and VECTOR DRIVE®, and associated designs are registered trademarks of Baldor Electric Company. MATCHED PERFORMANCE™, and WASHDOWN DUTY™, H2™ and associated designs are trademarks of Baldor Electric Company.

Baldor has made every effort to make this catalog complete and accurate as of the time of printing. All pricing is subject to change or correction. Since products are continuously being improved, all data is subject to change or correction. The data presented here is for general information to provide an overview of Baldor's capabilities. For specific applications, installation and operating instructions, certified dimensions, capabilities and performance data, and pricing and availability, contact your Baldor District Sales Office listed on page 415.

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Commercial Motors Limited Warranty

Baldor Electric Company and its employees are proud of our products and are committed to providing our customers and end users with the best designed and manufactured motors, drives and other Baldor products. This Limited Warranty and Service Policy describes Baldor's warranty and warranty procedures.

Comments and Questions: We welcome comments and questions regarding our products. Please contact us at:

Customer Service
Baldor Electric Company
P.O. Box 2400
Fort Smith, Arkansas 72902-2400
Facsimile: 479-648-5791

or refer to page 415 for a list of District Offices in your area.

Scope of Warranty: All Baldor commercial motors are warranted against defects in Baldor workmanship and materials.

Warranty Period: Baldor commercial motors are warranted for 18 months from the date of shipment to Baldor's customer from Baldor's district warehouse or, if applicable, from Baldor's factory. All warranty claims must be submitted to a Baldor Service Center prior to the expiration of the warranty period.

Warranty Service Center Locations: Warranty service is available for all Baldor products from Baldor's Customer Service Center in Fort Smith, Arkansas, and from Baldor Authorized Service Centers. A list of Baldor's Authorized Service Centers is available in catalog #505 from any Baldor District Office or by contacting us at the above location.

Procedure to Receive Warranty Service: Customers should take or ship prepaid the Baldor product requiring warranty service to a Baldor Authorized Service Center. Please include an explanation of the defect or problem, a description of the way in which the Baldor product is used, and your name, address and telephone number.

Warranty Determinations by Other than a Baldor-Authorized Service Center: Customers who are unable to take or ship the Baldor product to a Baldor Authorized Service Center, or who desire a warranty consideration by other than a Baldor Authorized Service Center, should contact the local Baldor District Office. Baldor must approve warranty considerations by anyone other than a Baldor Authorized Service Center in advance.

Replacement Within the Scope of the Warranty: If a Baldor product is defective due to Baldor workmanship or materials and the defect occurs during the warranty period, then Baldor will replace it with a new one. Baldor is not responsible for removal and shipping of the Baldor product to the service center, the reinstallation of the Baldor product upon its return to the customer, or any incidental or consequential damages resulting from the defect, removal, reinstallation, shipment or otherwise.

Repairs Outside the Scope of the Warranty: Problems with Baldor products can be due to improper maintenance, faulty installation, non-Baldor additions or modifications, or other problems not due to defects in Baldor workmanship or materials. If the Baldor Authorized Service Center determines that the problem with a Baldor product is not due to defects in Baldor workmanship or materials, then the customer will be responsible for the cost of any necessary repairs. Customers not satisfied with a determination that a problem is outside of warranty coverage should contact the Baldor District Office for further consideration.

Intended Use: Baldor commercial motors are designed for commercial and residential use rather than industrial use.

Product Specifications: All product specifications, applications and other information provided in Baldor's catalog and publications are subject to correction and change without notice and should be confirmed with the Baldor District Office prior to ordering.

Extended Warranties: Extended warranties are available for certain Baldor products. These warranties are described in Baldor's catalog and other sales literature. Extended warranties are subject to the terms and procedures of this Limited Warranty and Service Policy as modified by the additional terms of the extended warranty.

No Other Warranties and Liability Limitation: This Limited Warranty and Service Policy represents Baldor's sole and exclusive warranty obligation with respect to Baldor products. Baldor's liability to a customer or any other person shall not exceed the Baldor's sales price of the applicable Baldor product. BALDOR DISCLAIMS ALL OTHER EXPRESS AND IMPLIED WARRANTIES INCLUDING THE IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND MERCHANTABILITY.

Baldor has made every effort to make this catalog complete and accurate as of the time of printing. Since products are continuously being improved, all data is subject to change or correction. The data presented here is for general information to provide an overview of Baldor's capabilities. For specific applications, installation and operating instructions, certified dimensions, capabilities and performance data, and pricing and availability, contact your Baldor District Sales Office, listed on page 415.

Baldor Portable Generators Owner Warranty Policy Limited Warranty

Baldor will replace or repair free of charge any part or parts of the generator of their manufacture that are defective in workmanship and materials for a period of time as set forth in the Warranty Period chart below. All Baldor products requiring warranty service shall be transported or shipped freight pre-paid to a Baldor Generator repair facility. Notification of the defect or problem, a description of the manner in which the Baldor generator is used, and the name, address and telephone number of the customer requiring warranty service must be included. Baldor is not responsible for removal and shipment of the Baldor product to the service center or for the reinstallation of the Baldor product upon its return to the customer, or any incidental or consequential damages resulting from the defect, removal, reinstallation, shipment or otherwise. Problems with Baldor products can be due to improper maintenance, faulty installation, non-Baldor additions or modifications, or other problems not due to defects in Baldor workmanship or materials. If a Baldor Generator repair facility determines that the problem with a Baldor product is not due to defects in Baldor workmanship or materials, then the customer will be responsible for the cost of any necessary repairs. Genset engines are covered under the engine manufacturers warranty. Proper engine maintenance is required. Any request for engine warranty or repair should be made directly with the engine manufacturers warranty center. See engine manufacturers data for applicable engine warranty periods and location of repair centers. This Limited Warranty and Service Policy represents Baldor's sole and exclusive warranty obligation with respect to Baldor products. Baldor's liability to a customer or any other person shall not exceed Baldor's sales price of the applicable Baldor product. BALDOR DISCLAIMS ALL OTHER EXPRESSED AND IMPLIED WARRANTIES INCLUDING THE IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND MERCHANTABILITY.

WARRANTY PERIOD		
Generator Series	Labor*	Parts
Portable Products (Premier, Powerchief, DG Series)	1 Year	3 Years

*You must save the purchase receipt. Proof of purchase, date, serial number and model number will be required for all portable products to qualify for any warranty consideration.

Abbreviations: The Basic Baldor catalog number consists of a letter(s) and four non-significant numbers. A suffix letter(s) and/or number may also be part of the catalog number. For example L3510 or L3510T. Following is a list of prefix and suffix definitions.

Catalog Number Prefix:

Single Phase Motors	AEM	Automotive Motor (GM7EHQ)	GSF	Universal Series Right Angle Gear Reducers
	AF	Aeration Fan Motor	GS	Grain Stirring Motor
	AM	Automotive (Motor GM7EQ)	H	Definite Purpose HVAC Motors
	ANF	Auger Flange Motor	H3	HVAC Duty with Connection Box located on top of Motor
General Purpose	AO	Air-Over Motor	HP	Hydraulic Pump Motor
	AP	Subfractional HP, PM Motor	ID	Inverter Control
	AS	Arbor Saw Motor	IDM	Inverter Drive Motor-TEBC
	B	Brake Motor	IDNM	Inverter Drive Motor-TENV
Premium Efficient Super-E® Motors	BC	DC Motor Speed Control	IDWNM	Washdown Inverter Motors-TENV
	BK	Single Phase Gearmotor Kit	IDXM	Explosion proof Inverter Drive Motors-TEFC
	BLW	Blower Kit	IM	Irrigation Drive Motor
	BMC	Brushless DC Motor Control	IR	Instant Reversing Single Phase Farm Motor
C-Face Industrial Motors	BSM	Brushless Servo Motors	J	NEMA 56J Stainless Steel Threaded Shaft with Dripcover
	BTG	Tachometer Generator	JM	NEMA JM Pump shaft & Face with Base
	BU	Bushing Kit	JP	NEMA JP Pump shaft & Face with Base
	C	NEMA C-Face with Base	JSL	Square Flange Pump Motors with threaded shaft.
Severe Duty Motors	CBL	Cable Assembly	K	Model 34 Diameter Motor with 56 C-Face, less Base
	CD	Wound Field DC Motor	KN	Model 34 Diameter TENV Motor with 56 C-Face, less Base
	CDP	PM SCR Drive Motor	L	Single Phase
	CDPT	PM SCR Drive Motor with Integral Tachometer	LRA	Line Reactor
Washdown Duty Motors	CDPWD	Washdown PM SCR Drive Motor, NEMA C-Face	M	Three Phase
	CDPSWD	PM Paint Free Washdown SCR Drive Motor C-Face with base	M	Multipurpose Soft Start Control
	CDPX	PM Explosion Proof SCR Drive Motor - C-Face with base	MM	Metric Dimension Motor with Base
	CDX	Wound Field Explosion Proof DC Motor, NEMA C-Face	MPM	Three Phase Metering Pump
Explosion Proof Motors	CESWDM	Paint Free Super-E Washdown - C-Face with base	MVM	Metric Dimension Motor, Flange Mount less Base
	CF	Condenser Fan Motor	N	Totally Enclosed Non ventilated
	CHC	Direct Drive Fan Motor with Resilient Base	OF	Design D, High Slip Motor (Oil Field)
	CP	Chemical Processing, Corrosion Protected Motor	P	Pressure Washer Motor
Pump Motors	CR	Crusher Motor	P15	Pre-Engineered Control Panel
	CSC	Checkout Stand Motor	PSC	Permanent Split Capacitor
	CSM	Baldor SmartMotor	R	Repulsion-Start, Induction-Run Motor
	CSSEWDM	All Stainless Super-E Washdown-C-Face with base	RBT	Roller Bearing Conversion Kit
Commercial Motors	CSSWDM	All Stainless Washdown - C-Face with base	RES	Resolver Feedback Kit
	CSWDM	Paint Free Washdown - C-Face with base	RG	Regeneration Resistor Assembly
	CWAM	Dirty Duty Washdown - C-Face with base	RH	Definite Purpose HVAC Motors
	CWDSM	Baldor Washdown SmartMotor	RL&RM	Resilient Base(Cradle Mount)
Explosion Proof Motors	D	DC Shunt or Compound Motor or Definite Purpose Soft Start Control	RT	Dynamic Braking Resistor Assembly
	DE	Vacuum Pump Motor	S	Single Phase Soft Start
	DG	Gate Operator Motor	SD	Series 23H Servo Control
	DMG	Lifting Magnet Generator	SS	All Stainless Washdown Duty
Pump Motors	DOC	Door Operator Motor	SWD	Stainless Washdown Duty
	DR	Double Reduction	T	Torque Control
	E	Super-E Premium Efficiency	TA	Torque Arm
	E3H	Super-E Premium Efficiency HVAC Duty with Connection Box located on top of Motor	TM	Definite Purpose HVAC Motors with Terminal Panel Endplate
Commercial Motors	ECP	Super-E Premium Efficiency, Chemical Processing Hostile Environment Motor	TK	Tachometer Mounting Kit
	EN	Encoder Kit	UC	Universal Crop Dryer Motor
	FM	F-2 Mount Motor	V	NEMA C-Face less Base
	FCD	Drip Cover Kit	VH	Vertical Pump Motor, Normal Thrust
Commercial Motors	FD	Farm Duty Motor	VJM	NEMA JM Pump Shaft and Face less Base
	FFC	Fan Cover/Conduit Box Kit	VLCP	Vertical Pump Motor, Medium Thrust
	FL	Flange Kit	VP	PM SCR Drive Motor with Metric Face or Flange
	G	Subfractional HP Gear Motor	VPCP	Vertical Pump Motor, High Thrust
Commercial Motors	GC	Permanent Split Capacitor and Split Phase	WC	West Coast Fit NEMA TCZ
	GCP	Permanent Split Capacitor and Split Phase Parallel Shaft Gearmotor	WD	Washdown Duty
	GD	Centrifugal Fan Motor	WW	Woodworking Motor
	GF	900 Series Reducers	ZD	Vector Control
Commercial Motors	GP	Subfractional HP PM Motor	ZDM	Vector Drive Motor-TEBC
	GPP	PM Parallel Shaft Gear Motor	ZDNM	Vector Drive Motor-TENV
			ZDWNM	Washdown Vector Motors-TENV

Catalog Number Suffix:

-2	120/240V Field
-277	277 Volt Winding
-4	460 Volt Winding
-5	575 Volt Winding
-8	200 Volt Winding
-9	NEMA Design C High Torque Winding
-12	12 Leads
/35	Full 140 Frame Band Diameter
/36	Full 180 Frame Band Diameter
-50	Wound for 50 Hertz Service
-2341	2300/4160 Volt Winding
A	Automatic Thermal Overload
BV	Blower Vented
-C	Listing includes Class I, Group C
-CL	Open Chassis Enclosure, Line Regenerative
-CO	Open Chassis Enclosure, no internal braking
E	Electric Switch
-E	NEMA 1 Enclosure, built in Dynamic Braking
-EL	NEMA 1 Enclosure, Line Regenerative
-EO	NEMA 1 Enclosure, no internal braking
-ER	NEMA 1 Enclosure, built in Dynamic Braking Transistor
-I	Explosion-Proof, 1.15 Service Factor
M	Manual Thermal Overload
-MO	Protected Chassis Enclosure, no internal braking
P	Wound Field DC Motor NEMA "AT" Frame
-P	Partial AC Motor Excludes
R	Roller Bearing
T	NEMA "T" Frame Dimension
TP	Feather Picker Motor
TR	NEMA "T" Frame-Roller Bearing
TS	NEMA "TS" Frame Short Shaft Pulley Endplate
-V12	12 Volt DC
-V24	24 Volt DC
-W	NEMA 4 Enclosure
-WR	Washdown Rating

Gear Reducer Suffix: 900 Series

A	56C Motor Flange
B	140TC Motor Flange
C	180TC Motor Flange
G	Left Hand Output Shaft
H	Double End Output Shaft
J	Right Hand Output Shaft

Gear Reducer Suffix: Universal Series

A	56C or Right Hand Output Shaft
B	140TC
C	180TC

Grinder Catalog Number Suffix:

D	Deluxe
E	Exhaust Guards
W	Wide Design


Other Abbreviations:

C	Permanent Split Capacitor
L	Capacitor-Start, Induction-Run Motor
LC	Capacitor-Start, Capacitor-Run Motor
S	Split Phase
X	Explosion-Proof

Baldor Cross Reference Guide is now a separate catalog. To order use catalog number FM411.

Signs and Symbols:

Catalog information subject to engineering changes after printing, contact Baldor for further information.

- ~ Drive end bearing pre-loaded on these ratings.
- † Class "F" Insulated.
- †* Class "F" Insulated Motor with 1.15 Service Factor or higher that operates within Class "B" temperature limits at rated horsepower.
- †† Class "H" Insulated.
- ① Class I, Group D only, T2C.
- ② Class I, Group C & D, Class II, Group F & G, T4.
- ③ Class I, Group D, Class II Group F & G, T3B
- ⑤ Class I, Group C & D only, T3C
- ⑥ Class I, Group D only, T2A.
- ⑦ Class I, Group D, Class II, Group F & G, T4.
- ⑧ Class I, Group D, Class II, Group F & G, T3C.
- ◆ 1.00 Service Factor.
- ◇ Close-Coupled Pump Motors (JP) suitable for "West Coast Fit".
- Totally-Enclosed, Non-Ventilated, Continuous Duty.
- + Brake Motors suitable for vertical mounting with brake above or below Motor.
- √ Brake Motors suitable for vertical mounting with brake below motor only.
- § Agri-Duty Motors, Capacitor-Start, Induction-Run.
- ▼ Repulsion-Start Induction-Run Motors rated 10 hp continuous duty, 15 HP one hour duty.
- # Resilient Mount Single Phase Motors with moderate starting torque for fan applications.
- SCR Motors with a 3:1 constant torque speed range.
- ▶ Shown as WP1 enclosure.
- 50/60 Hz
-  Baldor Super-E Premium Efficient electric motors meet or exceed the NEMA Premium® efficiency specifications.

Insulation Class: Absence of symbol(s) adjacent to the catalog number generally indicates the motor is insulated with Class B or better materials and will not exceed Class B temperature rise at rated nameplate horsepower. Exceptions occur in DC Motors and Special Purpose Motors. Contact a Baldor representative for information on a particular motor.

Authorized Service Centers and Service Policy — Baldor CD Rom and website: www.baldor.com have a listing of Baldor's United States and Canadian network of factory authorized service centers. Supplements are also available listing International service centers.

Dimensions — Baldor CD Rom and website: www.baldor.com lists dimensions for all stock AC and DC motor ratings.

Efficiencies — All efficiencies listed are nominal efficiencies at full load.

Full Load Amps — **FLA** - For low voltage amps, double high voltage amps shown.

Modified Motors — Details of Baldor's Mod Express Program are listed in this catalog. Using stock motors, Baldor can modify motors to fit a variety of applications in only 2 to 5 working days for most modifications.

New Stock Items — **Red** catalog numbers represent new items added this printing.

Performance and connection diagrams — Baldor CD-ROM lists performance test data and connection diagrams for all stock AC and DC motor ratings.

Renewal Parts and Installation - Maintenance Data — Data Section 506 contains a wide variety of the most commonly required service parts. AC (MN400) and DC (MN605) motor installation and maintenance data are also available.

SCR Drive Motors — Field Amps listed are for High Voltage Connections with motor at operating temperature.

Service Factor — NEMA T-frames in TEFC construction have a service factor of 1.15 or greater except where noted. All NEMA U- frame TEFC motors (except explosion-proof) have NEMA open service factors. Fractional horsepower TEFC motors have NEMA open service factors. All DC motors have 1.0 service factors.

Freight Policy — Shipments of stock products shown in this catalog are made with the selling terms of F.O.B. factory, Fort Smith Distribution Center, or a Baldor District Warehouse. International Shipments - Ex Works, Non-stock items - FOB Factory. Baldor will prepay and absorb freight charges, on a carrier chosen by Baldor, to the first destination in the continental United States on shipments of 1500 pounds (1000 pounds on portable generators) or more.

Voltage/Power Service:

Voltage Code	
A.....	115/208-230 Volts, 60 HZ
B.....	115/230 Volts, 60 HZ
B1.....	115/230 Volts, Usable at 208 Volts, 60 HZ
C.....	230 Volts, 60 HZ
D.....	208-230 Volts, 60 HZ
D1.....	230 Volts, Usable at 208 Volts, 60 HZ
E.....	208-230/460 Volts, 60 HZ
E1.....	230/460 Volts, Usable at 208 Volts, 60 HZ
E2.....	230/460Volts, Usable at 200 Volts, 60 HZ
F.....	230/460 Volts, 60 HZ
F2.....	230/460 Volt, DOL or Wye Start, Delta Run, 60 HZ
G.....	460 Volts, 60 HZ
G2.....	460 Volt, DOL or Wye Start, Delta Run, 60 HZ
H.....	575 Volts, 60 HZ
I.....	200Volts, 60 HZ
I2.....	200 Volts, DOL or Part Winding Start, 60 HZ
J.....	110/220 Volts, 50 HZ
K.....	220/380/440 Volts, 50 HZ
L.....	115 Volts, 60 HZ
M.....	220 Volts, 50 HZ
N.....	380//460 Volts, 50//60 HZ
O.....	2300/4160 Volts, 60 HZ
P.....	230/400 Volts, 50 HZ
Q.....	460-380 Volts, 60-50 HZ
R.....	415 Volts, 50 HZ
S.....	240/415 Volts, 50 HZ
T.....	190/380//208-230/460 Volts, 50//60 HZ
U.....	190/380//230/460 Volts, 50//60 HZ
V.....	230/460/796 Volts, 60 HZ
V1.....	460/796 Volts, 60 HZ
W.....	400 Volts DOL or Wye Start, Delta Run, 50 HZ
Y.....	277 Volts, 60 HZ

Single Phase - TEFC, Rigid Base

1/12 thru 15 Hp

NEMA 42 thru 256T

Applications: Compressors, pumps, fans, farm equipment, conveyors, material handling equipment, machine tools and others.

Features: Heavy gauge steel frames and a heavy duty base seam welded to the frame, ball bearings, a "Snap Action" starting switch and gasketed conduit box and capacitor cover.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
1/12	1725	42	L3351	206	K	3310L	9.56	15	44.0	B1	1.0
1/8	3450	42	L3352	210	K	3310L	9.56	15	45.0	B1	1.3
1/8	1725	42	L3353	213	K	3313L	9.56	16	47.0	B1	1.6
1/6	3450	42	L3354	220	K	3313L	9.56	16	52.0	B1	1.6
1/6	1725	42	L3355	233	K	3316L	9.56	18	51.0	B1	1.8
1/6	1725	48	L3400	232	K	3408L	10.73	18	49.0	B1	1.9
1/6	1140	48	L3401	329	K	3418L	10.73	23	47.0	B1	2.3
1/4	3450	42	L3356	236	K	3316L	9.56	18	57.0	B1	2.0
1/4	1745	48	EL3403	284	K	3414LC	10.48	24	74.0	B	1.3
1/4	1725	48	L3403	239	K	3411L	10.73	20	55.0	B1	2.5
1/4	1725	48	L3403M	274	K	3411L	10.73	20	55.0	B1	2.5
1/4	1140	48	L3404	350	K	3421L	11.35	26	48.0	B1	3.2
1/4	1140	56	L3500	368	K	3516L	12.25	30	47.0	B1	3.0
1/3	3450	48	L3405	218	K	3413L	10.73	20	55.0	B1	3.0
1/3	1725	48	L3406	253	K	3414L	10.73	23	60.0	B1	3.0
1/3	1725	48	L3406M	288	K	3414L	10.73	22	60.0	B1	3.0
1/3	1740	56	EL3501	314	K	3418LC	11.97	28	77.0	B	1.6
1/3	1725	56	L3501	246	K	3414L	11.35	22	60.0	B1	3.0
1/3	1725	56	L3501M	288	K	3414L	11.35	22	60.0	B1	3.0
1/3	1140	48	L3407	385	K	3424L	11.35	27	54.0	B1	3.7
1/3	1140	56	L3502	385	K	3424L	11.97	29	54.0	B1	3.7
1/2	3450	48	L3408	247	K	3413L	10.73	21	66.0	B1	3.5
1/2	3450	56	L3503	247	K	3413L	11.35	22	66.0	B1	3.5
1/2	1725	48	L3409	282	K	3421L	11.35	26	68.0	B1	3.7
1/2	1725	48	L3409M	339	K	3421L	11.35	27	68.0	B1	3.7
1/2	1745	56	EL3504	370	K	3424LC	11.97	32	78.5	B	2.3
1/2	1725	56	L3504	288	K	3421L	11.97	27	68.0	B1	3.7
1/2	1725	56	L3504M	339	K	3421L	11.97	27	68.0	B1	3.7
1/2	1725	56	L3504A	344	K	3421L	11.97	27	68.0	B1	3.7
1/2	1140	56/56H	L3505	547	K	3528L	12.93	42	59.0	B1	4.0
3/4	3450	56	L3506	277	K	3424L	11.97	29	66.0	B1	4.8
3/4	1755	56	EL3507	451	K	3528LC	13.25	44	82.5	B	3.2
3/4	1725	56	L3507	332	K	3428LC	12.47	34	72.0	B1	4.2
3/4	1725	56	L3507M	399	K	3428LC	12.47	34	74.0	B1	4.1
3/4	1725	56	L3507A	417	K	3428LC	12.47	34	74.0	B1	4.1
3/4	1140	56/56H	L3508	632	K	3528LC	12.93	44	68.0	B1	5.0
3/4	1140	143T	L3508T	622	L1	3528LC	13.30	44	68.0	B1	5.0

NOTE: Motor types with suffix L denote capacitor start, induction run. Motor types with suffix LC denote capacitor start, capacitor run (two value capacitor). Baldor NEMA 56H frames will also mount as NEMA 56, 143T and 145T frames with NEMA 56 frame shaft dimensions. Voltage @ 60 HZ: B = 115/230, B1 = 115/230 usable at 208 volts. See notes on pages 8 and 9, and inside back flap.

Single Phase - TEFC, Rigid Base continued...

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
1	3450	56/56H	L3509	321	K	3520L	12.93	37	68.0	B1	5.9
1	3450	56/56H	L3509M	363	K	3524L	12.93	40	66.0	B	6.0
1	1760	56H	EL3510	†*	518	K	3532LC	47	82.5	B	4.3
1	1725	56/56H	L3510	377	K	3524L	12.93	41	67.0	B1	6.4
1	1725	56/56H	L3510M	452	K	3524L	12.93	40	67.0	B1	6.5
1	1725	56/56H	L3510A	468	K	3524L	12.93	40	67.0	B1	6.5
1	1725	143T	L3510T	384	L1	3524L	13.31	40	67.0	B1	6.4
1	1725	143T	L3510TM	452	L1	3524L	13.31	40	67.0	B1	6.5
1	1725	182	L3601	682	L1	3620L	14.31	54	72.0	B1	6.0
1	1140	184	L3607	1089	L1	3634L	15.69	74	67.0	B1	7.0
1 1/2	3450	56/56H	L3513	430	K	3524L	12.93	41	70.0	B1	8.0
1 1/2	3450	56/56H	L3513M	♦	494	K	3528L	45	70.0	B	7.5
1 1/2	3450	143T	L3513T	423	L1	3524L	13.31	41	70.0	B1	8.0
1 1/2	1760	56H	EL3514	†*	591	K	3540LC	57	84.0	B	6.3
1 1/2	1725	56/56H	L3514	436	K	3532LC	13.81	48	75.5	B1	8.0
1 1/2	1725	56/56H	L3514M	♦	511	K	3532LC	50	75.5	B	8.0
1 1/2	1725	56/56H	L3514A	♦	555	K	3532LC	48	75.5	B	8.0
1 1/2	1760	145T	EL3514T	†*	591	L1	3540LC	57	84.0	B	6.3
1 1/2	1725	145T	L3514T	442	L1	3532LC	14.18	48	75.5	B1	8.0
1 1/2	1725	145T	L3514TM	♦	511	L1	3532LC	48	75.5	B	8.0
1 1/2	1725	184	L3603	743	L1	3628L	15.69	66	70.0	B1	9.5
1 1/2	1140	184T	L3613T	†*	1157	L1	3634LC	78	73.0	B1	8.2
2	3450	56/56H	L3515	†*	550	K	3535L	54	74.0	B1	11.5
2	3450	56/56H	L3515M	♦	577	K	3535L	51	74.0	B	11.5
2	3450	145T	L3515T	†*	555	L1	3535L	51	74.0	B1	11.5
2	1725	56HZ	L3516TM	†*	727	K	3535LC	51	78.0	C	8.3
2	1740	184T	EL3605T	†*	808	L1	3623LC	78	82.5	B	8.8
2	1725	182T	L3605T	631	L1	3628L	16.56	67	75.5	B1	11.5
2	1725	182T	L3605TM	♦	770	L1	3634L	74	75.0	B	11.0
2	1725	184	L3605	832	L1	3628L	15.69	66	75.5	B1	11.5
2	1725	184	L3605M	891	L1	3628L	15.69	68	75.5	B1	11.5
2	1140	215	L3703	♦	1800	L1	3735LC	114	80.0	B1	9.4
3	3450	182T	L3606T	†*	651	L1	3634L	73	76.0	B1	14.5
3	3450	184	L3606	†*	1174	L1	3634L	74	76.0	B1	14.5
3	1755	184T	EL3609T	†*	943	L1	3640LC	93	85.5	C	11.8
3	1725	184T	L3609T	†♦	743	L1	3634LC	79	78.0	B1	14.0
3	1725	184T	L3609TM	†♦	803	L1	3634LC	79	78.0	B	14.5
3	1725	215	L3705	1419	L1	3735LC	17.51	116	80.0	B1	14.0
3	1140	215	L3706	†♦	2161	L1	3744LC	132	80.0	B1	14.5
5	3450	184T	L3608T	†♦	897	L1	3640LC	89	83.0	C	19.5
5	3450	184T	L3608TM	†♦	925	L1	3640LC	89	83.0	C	19.5
5	1725	184T	L3612TM	†♦	934	L1	3646LC	99	80.0	C	23.0
5	1735	184T	EL3612T	†♦	1126	L1	3646LC	99	86.5	C	19.1
5	1725	213T	L3708T	♦	886	L1	3726LC	117	84.0	D1	20.5
5	1725	213T	L3708TM	♦	1042	L1	3744LC	135	82.0	C	21.5
5	1725	215	L3708	†*	1451	L1	3726LC	135	84.0	D1	20.5
7 1/2	3450	213T	L3709T	♦	1155	L1	3735LC	124	83.0	D1	33.0
7 1/2	1725	215T	L3710T	†♦	1171	L1	3734LC	138	86.5	D1	29.0
10	3450	215T	L3711T	†♦	1418	L1	3744LC	148	82.0	C	40.0
10	1725	215T	L3712T	@ †♦	1438	L1	3748LC	161	86.5	C	38.0
15	1725	254T	L1177T	†♦	4099	L1	0956LC	322	86.5	C	60.0

NOTE: Motor types with suffix L denote capacitor start, induction run. Motor types with suffix LC denote capacitor start, capacitor run (two value capacitor). Baldor NEMA 56H frames will also mount as NEMA 56, 143T and 145T frames with NEMA 56 frame shaft dimensions. Baldor NEMA 56HZ frames will also mount as NEMA 145T frame with 145T frame shaft dimensions.
Voltage @ 60 Hz: B= 115/230, B1= 115/230 usable at 208 volts, C=230 volts, D1=230 usable at 208 volts.
@ = L3712T has cooling fan on each end. See notes on pages 8 and 9, and inside back flap.

SHADED RATINGS ARE CAST IRON FRAMES

General
Information

Single Phase
Motors

General Purpose

Premium Efficient
Super-E® Motors

C-Face
Industrial Motors

Severe Duty
Motors

Washdown Duty
Motors

Explosion Proof
Motors

Pump Motors

Commercial
Motors

Single Phase -
ODP, Rigid Base

1/6 thru 10 Hp

NEMA 48 thru 215T

Applications: Compressors, pumps, conveyors, machine tools, air handling, and others.**Features:** Copper windings, dynamically balanced rotors, ball bearings, heavy gauge steel frames, and other industrial quality features.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
1/6	1725	48	L1200	194	K	3408L	9.13	18	49.0	B1	1.9
1/6	1140	48	L1201	297	K	3418L	9.38	23	47.0	B1	2.3
1/4	1745	48	EL1203†*	246	K	3414LC	9.76	23	74.0	B	1.3
1/4	1725	48	L1203	197	K	3411L	9.13	19	55.0	B1	2.5
1/4	1725	48	L1203M	227	K	3411L	9.13	20	55.0	B1	2.5
1/4	1140	48	L1204	318	K	3421L	9.75	25	48.0	B1	3.2
1/4	1140	56	L1300	330	K	3421L	10.13	26	48.0	B1	3.2
1/3	3450	48	L1205	186	K	3413L	9.13	20	55.0	B1	3.0
1/3	1725	48	L1206	227	K	3414L	9.13	21	60.0	B1	3.0
1/3	1725	48	L1206M	255	K	3414L	9.13	22	60.0	B1	3.0
1/3	1740	56	EL1301†*	292	K	3418LC	10.13	26	77.0	B	1.6
1/3	1725	56	L1301	229	K	3414L	9.51	22	60.0	B1	3.0
1/3	1725	56	L1301M	268	K	3414L	9.51	22	60.0	B1	3.0
1/3	1140	48	L1207	339	K	3424L	10.63	28	54.0	B1	3.7
1/3	1140	56	L1302	339	K	3424L	11.01	29	54.0	B1	3.7
1/2	3450	48	L1208	206	K	3416L	9.13	22	57.0	B1	3.7
1/2	3450	56	L1303	206	K	3413L	9.51	21	66.0	B1	3.5
1/2	1725	48	L1209	285	K	3418L	9.38	24	62.0	B1	4.2
1/2	1725	48	L1209M	317	K	3418L	9.38	24	62.0	B1	4.2
1/2	1745	56	EL1304†*	334	K	3424LC	11.00	31	78.5	B	2.3
1/2	1725	56	L1304	253	K	3418L	9.76	24	62.0	B1	4.2
1/2	1725	56	L1304M	317	K	3418L	9.76	25	62.0	B1	4.2
1/2	1725	56	L1304A	301	K	3418L	9.76	25	62.0	B1	4.2
1/2	1140	56/56H	L1305	510	K	3524L	11.75	38	62.0	B1	4.1
3/4	3450	56	L1306	251	K	3420L	12.85	26	72.0	B1	4.7
3/4	3450	56	L1306A	265	K	3424L	11.75	31	69.0	B	5.5
3/4	1755	56	EL1307†*	412	K	3524LC	12.06	39	84.0	B	3.3
3/4	1725	56	L1307	313	K	3428L	11.51	32	68.0	B1	5.1
3/4	1725	56	L1307M	377	K	3428L	11.51	32	68.0	B1	5.1
3/4	1725	56	L1307A	368	K	3428L	11.51	32	68.0	B1	5.1
3/4	1140	56/56H	L1308	574	K	3528LC	11.75	42	68.0	B1	5.0
1	3450	56	L1309	264	K	3428L	11.01	31	65.0	B1	7.5
1	3450	56	L1309A	281	K	3428L	11.01	30	70.0	B	6.6
1	1755	56	EL1310†*	448	K	3528LC	12.94	43	84.0	B	4.3
1	1725	56	L1310	342	K	3520L	11.07	34	66.0	B1	6.7
1	1725	56/56H	L1310M	438	K	3520L	11.75	33	66.0	B1	6.7
1	1725	56/56H	L1318	374	K	3528L	11.75	42	67.0	B1	6.2
1	1725	56/56H	L1318M♦	408	K	3528L	11.75	42	67.0	B	6.2
1	1725	143T	L1318T	390	L1	3528L	13.00	42	67.0	B1	6.2
1	1725	143T	L1318TM♦	408	L1	3528L	12.12	42	67.0	B	6.2

NOTE: Baldor NEMA 56H frames will also mount as NEMA 56, 143T and 145T frames with NEMA 56 frame shaft dimensions.
Voltage @ 60 Hz: B= 115/230 volts, B1= 115/230 usable at 208 volts. See notes on pages 8 and 9, and inside back flap.

Single Phase - ODP, Rigid Base continued...

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
1	1725	182	L1401	547	L1	3617L	12.75	50	70.0	B1	7.0
1	1725	182	L1401M	593	L1	3617L	12.75	52	70.0	B	7.0
1	1140	184	L1407	960	L1	3628L	14.13	63	65.0	B1	8.0
1 1/2	3450	56H	L1313	371	K	3428LC	11.75	32	80.0	B1	6.4
1 1/2	3450	56/56H	L1313A	388	K	3524L	11.75	40	68.0	B1	9.0
1 1/2	3450	143T	L1313T	371	L1	3520L	11.12	36	70.0	B1	8.9
1 1/2	1755	56H	EL1319	†*	K	3535LC	11.75	50	85.5	B	6.3
1 1/2	1725	56/56H	L1319	442	K	3528L	11.75	41	68.0	B1	9.0
1 1/2	1725	56/56H	L1319M	493	K	3528L	11.75	42	68.0	B	9.0
1 1/2	1755	145T	EL1319T	†*	L1	3535LC	13.00	49	85.5	B	6.3
1 1/2	1725	145T	L1319T	418	L1	3528L	12.12	42	68.0	B1	9.0
1 1/2	1725	145T	L1321T	501	L1	3535L	13.00	48	70.0	B1	10.5
1 1/2	1725	145T	L1321TM	543	L1	3535L	13.00	48	70.0	B	10.5
1 1/2	1725	184	L1403	610	L1	3623L	12.75	56	68.0	B1	9.5
1 1/2	1725	184	L1403M	647	L1	3623L	12.75	56	68.0	B	9.5
2	3450	56/56H	L1317	493	K	3528L	11.75	43	70.0	B1	13.0
2	3450	56/56H	L1317A	507	K	3528L	11.75	44	70.0	B1	12.0
2	3450	145T	L1320T	529	L1	3528LC	12.12	44	71.0	B1	11.5
2	1725	145T	L1322T	511	L1	3532LC	13.00	48	75.5	B	10.2
2	1725	145T	L1322TM	556	L1	3532LC	13.00	45	78.5	B	9.2
2	1740	182T	EL1405T	†*	L1	3623LC	15.87	65	82.5	B	8.8
2	1725	182T	L1405T	524	L1	3628L	15.00	65	71.0	B1	12.0
2	1725	184	L1405	641	L1	3628L	14.13	64	71.0	B1	12.0
2	1725	213	L1502	1101	L1	3720L	14.32	85	69.0	B1	12.5
2	1140	215	L1503	1500	L1	3729L	15.94	104	68.0	B1	14.0
3	3450	182T	L1406T	601	L1	3628L	15.00	65	78.0	B1	14.0
3	1750	184T	EL1408T	†*	L1	3634LC	16.50	81	85.5	C	11.2
3	1725	184T	L1408T	567	L1	3634LC	15.00	77	78.0	B1	16.0
3	1725	184T	L1408TM	668	L1	3634LC	15.00	78	78.0	B	16.0
3	1725	215	L1505	1220	L1	3729L	15.94	105	75.0	B1	18.0
3	1140	215	L1506	1753	L1	3735LC	15.94	111	75.0	B1	16.0
5	3450	184T	L1409T	715	L1	3634L	15.00	79	75.0	D1	23.0
5	1735	184T	EL1410T	†*	L1	3646LC	18.00	100	86.5	C	19.1
5	1725	184T	L1410T	†*	L1	3640LC	16.50	86	82.5	D1	23.0
5	1725	184T	L1410TM	†*	L1	3640LC	16.50	87	82.5	D1	23.0
5	1725	184T	L1430T	†*	L1	3634LC	16.55	79	84.0	D1	20.6
5	1725	184T	L1430TM	†*	L1	3634LC	16.55	84	80.0	D1	24.0
5	1725	213T	L1508T	886	L1	3735L	16.32	113	74.0	D1	28.5
7 1/2	3450	213T	L1509T	†*	L1	3640LC	18.37	101	82.5	D1	30.0
7 1/2	1725	215T	L1510T	962	L1	3744LC	17.45	134	85.5	D1	31.0
10	3450	215T	L1511T	†*	L1	3740L	17.45	130	83.0	D1	46.0
10	1725	215T	L1512T	†*	L1	3744LC	19.07	143	84.0	C	42.0

NOTE: Baldor NEMA 56H frames will also mount as NEMA 56, 143T and 145T frames with NEMA 56 frame shaft dimensions.

Voltage @ 60 Hz: B= 115/230, B1= 115/230 usable at 208 volts, C= 230, D1=230 usable at 208 volts. See notes on pages 8 and 9, and inside back flap.

General
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C-Face
Industrial Motors

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Washdown Duty
Motors

Explosion Proof
Motors

Pump Motors

Commercial
Motors

Three Phase - TEFC and TENV, Rigid Base



1/8 thru 500 Hp General Purpose NEMA 42 thru 5011L

Applications: Pumps, compressors, fans, conveyors, machine tools and other general purpose three phase applications.

Features: Suitable for mounting in any position. Ball bearings, heavy gauge steel and cast iron frames, and gasketed conduit boxes. EM and ECP Super-E® motors have NEMA Premium® efficiency and 3 year warranty.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
1/8	1725	42	M3353	261	K	3313M	9.56	16	44.0	E1	0.5
1/6	1725	42	M3355	296	K	3316M	9.56	17	62.0	E1	0.6
1/6	1140	48	M3452	305	K	3408M	10.73	17	57.5	E1	0.6
1/4	1725	48	M3454	216	K	3410M	10.73	18	64.0	E1	0.7
1/4	1725	48	NM3454	†*□	K	3413M	9.62	21	68.0	E1	0.5
1/4	1140	48	M3455	340	K	3411M	10.73	19	68.0	E1	0.7
1/4	1140	56	M3531	336	K	3411M	11.35	20	68.0	E1	0.7
1/4	850	56	M3532	491	K	3516M	12.23	30	55.0	E1	0.9
1/3	3450	48	M3457	□	K	3410M	9.62	20	72.0	E1	0.7
1/3	1725	48	M3458	264	K	3413M	10.73	20	68.0	E1	0.8
1/3	1725	56	M3534	238	LS	3413M	11.35	21	68.0	E1	0.8
1/3	1725	56	NM3534	†*□	K	3416M	10.25	23	70.0	E1	0.7
1/3	1140	56	M3535	379	K	3414M	11.35	22	70.0	E1	0.9
1/3	865	56	M3536	535	K	3520M	12.23	33	62.0	E1	1.1
1/2	3450	48	M3460	254	K	3410M	10.73	19	68.0	E1	1.0
1/2	3450	56	M3537	254	K	3410M	11.35	20	68.0	E1	1.0
1/2	1725	48	M3461	309	K	3416M	10.73	22	74.0	E1	1.0
1/2	1725	56	M3538	272	LS	3416M	11.35	22	74.0	E1	1.0
1/2	1725	56	NM3538	†*□	K	3420M	10.88	26	75.5	E1	0.9
1/2	1140	56	M3539	408	K	3418M	11.35	24	72.0	E1	1.2
1/2	850	56/56H	M3560	601	K	3524M	12.93	38	66.0	E	1.3
1/2	850	182	M3600	776	L1	3524M	13.76	41	66.0	E	1.3
3/4	3450	48	M3463	280	K	3413M	10.73	21	74.0	E1	1.3
3/4	3450	56	M3541	280	K	3413M	11.35	21	74.0	E1	1.3
3/4	1725	48	M3464	334	K	3420M	10.73	25	75.5	E	1.5
3/4	1725	56	M3542	290	LS	3420M	11.35	26	75.5	E	1.5
3/4	1725	56	NM3542	†*□	K	3520M	11.07	34	80.0	E1	1.1
3/4	1140	56/56H	M3543	417	K	3428M	12.84	38	77.0	E	1.5
3/4	1140	143T	M3543T	417	L1	3428M	13.41	34	77.0	E	1.5
3/4	1140	182	M3601	614	L1	3524M	13.76	41	77.0	E	1.4
3/4	850	184	M3602	†*	L1	3535M	14.64	53	65.0	E	2.0
1	3450	56	EM3545	†*	K	3516M	12.25	33	84.0	F	1.4
1	3450	56	M3545	329	K	3416M	11.35	22	75.5	E1	1.8
1	1750	56	EM3546	†*	K	3524M	13.23	39	86.5	E	1.4
1	1725	56	M3546	303	LS	3426M	12.00	31	78.5	E	1.7
1	1750	143T	EM3546T	†*	LS	3524M	13.31	40	86.5	E	1.4
1	1740	143T	M3546T	336	LS	3518M	12.31	36	82.5	E	1.4
1	1725	143T	NM3546T	†*□	L1	3524M	12.13	38	81.5	E	1.6
1	1750	143T	EM3581T	†*	L1	0524M	12.55	54	86.5	E	1.4
1	1740	143T	M3581T	†*	L1	0518M	12.55	51	82.5	E	1.4
1	1725	182	M3603	557	L1	3516M	13.76	35	77.0	E	1.7

NOTE: Baldor NEMA 56H frames will also mount as NEMA 56, 143T and 145T frames with NEMA 56 frame shaft dimensions. Voltage @ 60 HZ: E = 208-230/460 volts, E1=230/460 volts usable at 208 volts. See notes on pages 8 and 9, and inside back flap.

SHADED RATINGS ARE CAST IRON FRAMES

Three Phase - TEFC, Rigid Base continued...

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	
1	1150	56	EM3556	†*	570	K	3528M	13.23	43	82.5	E	1.8
1	1140	56/56H	M3556		424	K	3524M	12.93	38	75.5	E	1.7
1	1140	145T	M3556T		458	L1	3526M	13.31	42	80.0	E	1.8
1	1150	145T	EM3582T	†*	694	L1	0528M	12.55	59	82.5	F	1.8
1	1140	145T	M3582T	†*	619	L1	0526M	12.55	58	80.0	E	1.8
1	1140	184	M3604		710	L1	3524M	13.76	41	75.5	E	1.7
1	850	182T	M3617T		845	L1	3623M	15.17	60	68.0	F	2.1
1 1/2	3450	56	EM3550	†*	460	K	3524M	13.25	42	85.5	E	2.0
1 1/2	3450	56	M3550		359	K	3424M	11.97	30	80.0	E	2.3
1 1/2	3450	143T	EM3550T	†*	492	L1	3524M	13.31	41	85.5	E	2.0
1 1/2	3450	143T	M3550T		380	L1	3520M	12.31	37	82.5	E	2.1
1 1/2	3450	143T	EM3583T	†*	565	L1	0524M	12.55	55	85.5	E	2.0
1 1/2	3450	143T	M3583T	†*	504	L1	0520M	12.55	51	82.5	E	2.1
1 1/2	3450	182	M3605		632	L1	3516M	13.76	36	75.5	E	2.3
1 1/2	1740	56	EM3554	†*	485	K	3528M	13.23	45	86.5	F	2.0
1 1/2	1725	56	M3554		342	LS	3520M	12.23	34	78.5	E	2.5
1 1/2	1740	145T	EM3554T	†*	500	LS	3528M	13.31	45	86.5	F	2.0
1 1/2	1740	145T	M3554T	†*	344	LS	3524M	13.31	41	84.0	E	2.1
1 1/2	1725	145T	NM3554T	†*□	380	L1	3535M	13.00	48	82.5	E	2.1
1 1/2	1740	145T	EM3584T	†*	642	L1	0528M	12.55	60	86.5	E	2.0
1 1/2	1740	145T	M3584T	†*	479	L1	0524M	12.55	56	84.0	E	2.1
1 1/2	1725	184	M3606		568	L1	3520M	13.76	39	78.5	E	2.5
1 1/2	1140	56/56H	M3557	†◆	486	K	3528M	12.93	41	75.5	F	2.5
1 1/2	1165	182T	M3607T		529	L1	3628M	16.54	70	85.5	E	2.8
1 1/2	1170	182T	EM3667T	†*	826	L1	0634M	15.24	100	87.5	E	2.6
1 1/2	1160	182T	M3667T	†*	679	L1	0625M	15.24	87	85.5	E	2.6
1 1/2	1140	184	M3607		670	L1	3528M	13.76	46	75.5	F	2.5
1 1/2	850	184T	M3618T	†◆	1000	L1	3628M	16.54	66	70.0	F	3.1
1 1/2	850	213	M3701		1145	L1	3720M	15.89	84	70.0	E	3.4
2	3450	56	EM3555	†*	506	K	3532M	14.12	48	86.5	E	2.5
2	3450	56H	M3555		403	K	3428M	12.84	42	80.0	E	2.9
2	3450	145T	EM3555T	†*	539	L1	3532M	14.19	49	86.5	E	2.5
2	3450	145T	M3555T		438	L1	3526M	13.31	43	84.0	E	2.6
2	3450	145T	EM3586T	†*	643	L1	0532M	12.55	64	86.5	E	2.5
2	3450	145T	M3586T	†*	569	L1	0526M	12.55	58	84.0	E	2.6
2	3450	184	M3608		728	L1	3524M	13.76	43	78.5	E	2.7
2	1725	56	EM3558	†*	514	K	3532M	14.10	49	86.5	E	2.7
2	1725	56/56H	M3558		369	LS	3528M	12.93	41	82.5	E	3.1
2	1725	145T	EM3558T	†*	518	LS	3532M	14.19	49	86.5	E	2.7
2	1740	145T	M3558T		362	LS	3532M	14.19	45	84.0	E	2.8
2	1725	145T	EM3587T	†*	673	L1	0532M	12.55	63	86.5	E	2.7
2	1740	145T	M3587T	†*	519	L1	0532M	12.55	59	84.0	E	2.8
2	1725	184	M3609		598	L1	3528M	13.76	47	82.5	E	3.1
2	1160	184T	M3614T	†*	569	L1	3632M	16.54	74	86.5	E	3.5
2	1170	184T	EM3664T	†*	839	L1	0640M	15.24	109	88.5	E	3.5
2	1160	184T	M3664T	†*	726	L1	0632M	15.24	96	86.5	E	3.5
2	1140	213	M3712		858	L1	3628M	18.18	72	80.0	E	3.3
2	850	213T	M3702T		1268	L1	3724M	17.89	97	82.5	E	3.5
2	850	215	M3702		1278	L1	3726M	17.51	99	74.0	E	4.3
3	3450	56/56H	M3559	†*	469	K	3528M	12.93	44	82.5	E	3.8
3	3450	145T	M3559T	†*	502	L1	3535M	14.19	53	85.5	E	3.7

NOTE: Baldor NEMA 56H frames will also mount as NEMA 56, 143T and 145T frames with NEMA 56 frame shaft dimensions. Voltage @ 60 Hz: E = 208-230/460 volts, F=230/460 volts.
See notes on pages 8 and 9, and inside back flap..

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C-Face
Industrial Motors

Severe Duty
Motors

Washdown Duty
Motors

Explosion Proof
Motors

Pump Motors

Commercial
Motors

Three Phase - TEFC, Rigid Base continued...

	Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
Single Phase Motors	3	3500	182T	EM3660T	†*	L1	0623M	15.24	92	89.5	F	3.5
	3	3470	182T	M3660T	†*	L1	0617M	15.24	87	85.5	E	3.7
	3	3500	182T	EM3610T	†*	L1	3624M	16.55	70	89.5	F	3.5
	3	3450	182T	M3610T	†*	L1	3535M	15.14	57	85.5	E	3.7
	3	3450	184	M3610	†*	L1	3528M	13.76	48	82.5	E	3.8
General Purpose	3	1760	182T	EM3661T	†*	L1	0628M	15.24	92	89.5	E1	4.0
	3	1750	182T	M3661T	†*	LS	0628M	15.24	93	87.5	E	4.1
	3	1760	182T	EM3611T	†*	LS	3628M	16.55	72	89.5	E	4.1
	3	1750	182T	M3611T	†*	LS	3546M	16.52	68	87.5	E	4.1
	3	1750	182T	M3611T/36	†*	L1	3628M	16.54	72	87.5	E	4.1
	3	1725	184	M3611	†*	L1	3535M	14.64	58	84.0	E	4.1
	3	1725	213	M3703	†*	L1	3623M	18.18	69	82.5	E	4.3
Premium Efficient Super-E® Motors	3	1160	213T	EM3764T	†*	L1	0736M	18.45	175	89.5	E1	5.0
	3	1160	213T	EM3704T	†*	L1	3736M	19.02	125	89.5	E1	5.0
	3	1160	213T	M3704T	†*	L1	3729M	17.89	110	87.5	E	5.1
	3	1140	215	M3704	†*	L1	3726M	17.51	99	81.5	E	4.8
	3	1160	213T	M3764T	†*	L1	0729M	18.45	153	87.5	E	5.1
C-Face Industrial Motors	3	850	215T	M3705T	†♦	L1	3735M	17.89	115	77.0	F	6.0
	5	3500	184T	EM3663T	†*	L1	0632M	15.24	99	90.2	F	5.7
	5	3460	184T	M3663T	†*	L1	0624M	15.24	95	87.5	E	5.9
	5	3470	184T	EM3613T	†*	L1	3634M	16.55	77	90.2	F	5.6
	5	3450	184T	M3613T	†*	L1	3626M	16.54	73	87.5	E	5.8
	5	3450	213	M3706	†*	L1	3628M	18.18	77	85.5	E	6.0
	5	1750	184T	EM3665T	†*	L1	0643M	15.24	114	90.2	E1	6.5
Severe Duty Motors	5	1750	184T	M3665T	†*	L1	0638M	15.24	105	87.5	E	6.7
	5	1750	184T	EM3615T	†*	LS	3643M	18.05	95	90.2	E1	6.5
	5	1750	184T	M3615T	†*	LS	3633M	16.55	79	87.5	E	7.1
	5	1725	215	M3707	†*	L1	3634M	18.18	80	85.5	E	6.6
	5	1160	215T	EM3768T	†*	L1	0744M	18.45	193	89.5	E1	8.0
Washdown Motors	5	1160	215T	M3768T	†*	L1	0735M	18.45	178	87.5	E	8.1
	5	1160	215T	EM3708T	†*	L1	3744M	19.02	138	89.5	E1	8.0
	5	1160	215T	M3708T	†*	L1	3735M	17.89	123	87.5	E	8.1
	5	1140	254U	M2275	†*	L1	0744M	20.82	203	84.0	E	7.2
	5	870	254T	M2280T	†*	L1	0928M	23.16	221	80.0	E1	9.4
Explosion Proof Motors	7 1/2	3450	184T	M3616T	†*	L1	3640M	18.04	89	88.5	E	8.7
	7 1/2	3525	213T	EM3769T	†*	L1	0733M	18.45	165	91.0	E1	8.6
	7 1/2	3500	213T	M3769T	†*	L1	0728M	18.45	166	88.5	E	9.0
	7 1/2	3525	213T	EM3709T	†*	L1	3733M	17.89	129	91.0	F	8.9
	7 1/2	3450	213T	M3709T	†*	L1	3640M	18.56	94	88.5	E	8.7
	7 1/2	3450	215	M3709	†*	L1	3640M	18.18	90	87.5	E	8.6
	7 1/2	1770	213T	EM3770T	†*	L1	0735M	18.45	176	91.7	E1	9.5
Pump Motors	7 1/2	1760	213T	M3770T	†*	L1	0728M	18.45	173	89.5	E	9.8
	7 1/2	1770	213T	EM3710T	†*	LS	3736M	19.02	146	91.7	E1	9.4
	7 1/2	1760	213T	M3710T	†*	LS	3730M	17.89	129	89.5	E	9.8
	7 1/2	1750	254U	M2237	†*	L1	0735M	20.82	190	87.5	E	10.0
	7 1/2	1180	254T	EM2276T	†*	L1	0954M	23.16	298	91.7	E1	10.7
	7 1/2	1160	254T	M2276T	†*	L1	0756M	22.83	247	89.5	E	10.9
	7 1/2	1140	256U	M2276	†*	L1	0740M	22.57	231	82.5	F	11.2
Commercial Motors	7 1/2	870	256T	M2401T	†*	L1	0940M	23.16	256	84.0	E1	13.0

NOTE: Baldor NEMA 56H frames will also mount as NEMA 56, 143T and 145T frames with NEMA 56 frame shaft dimensions. Voltage @ 60 Hz: E = 208-230/460 volts, E1=230/460 volts usable at 208 volts, F=230/460 volts. See notes on pages 8 and 9, and inside back flap.

SHADED RATINGS ARE CAST IRON FRAMES

Three Phase - TEFC, Rigid Base continued...

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
10	3500	215T	EM3771T	†*	L1	0744M	18.45	185	91.7	E1	11.2
10	3500	215T	M3771T	†*	L1	0732M	18.45	171	89.5	F	11.5
10	3500	215T	EM3711T	†*	L1	3744M	19.02	154	91.7	E1	11.2
10	3500	215T	M3711T	†*	L1	3732M	17.89	126	89.5	E	11.5
10	3450	254U	M2393	†*	L1	0735M	20.82	198	85.5	E	12.0
10	1760	215T	EM3774T	†*	L1	0748M	18.45	204	92.4	E1	12.5
10	1760	215T	M3774T	†*	L1	0733M	18.45	184	89.5	E	13.0
10	1760	215T	EM3714T	†*	LS	3752M	19.77	158	92.4	E1	12.5
10	1760	215T	M3714T	†*	LS	3738M	19.01	139	89.5	E	12.8
10	1760	256U	M2238	†*	L1	0736M	22.57	211	87.5	E	13.3
10	1180	256T	EM2332T	†*	L1	0960M	23.16	282	91.7	E1	14.2
10	1175	256T	M2332T	†*	L1	0946M	23.16	269	89.5	E1	14.4
10	1170	284U	M2332	†*	L1	0936M	26.21	320	87.5	E1	15.0
10	870	284T	M2402T	†*	L1	1028M	27.76	343	84.0	E1	15.0
15	3525	254T	EM2394T	†*	L1	0934M	23.16	270	91.7	E1	17.2
15	3450	215T	M3713T	†*	L1	3750M	20.52	168	90.2	E	17.0
15	3450	254T	M2394T	†*	L1	0750M	21.07	237	90.2	E	17.0
15	3500	256U	M2394	†*	L1	0744M	22.57	220	86.5	E	17.5
15	1765	254T	EM2333T	†*	LS	0936M	23.16	255	92.4	E1	18.5
15	1760	254T	M2333T	†*	LS	0756M	21.07	244	91.0	F	18.5
15	1760	284U	M2333	†*	L1	0932M	26.21	332	89.5	E1	18.5
15	1180	284T	EM4100T	†*	L1	1056M	27.76	421	93.0	E1	19.7
15	1175	284T	M4100T	†*	L1	1034M	27.76	361	90.2	E1	21.0
15	870	286T	M2395T	†*	L1	1040M	27.76	382	86.5	E1	22.0
20	3540	256T	EM4106T	†*	L1	0944M	23.16	258	92.4	E1	23.0
20	3450	256T	M4106T	†*	L1	0750M	22.83	248	90.2	E	23.0
20	3525	286U	M4106	†*	L1	0932M	26.21	370	89.5	E1	23.0
20	1765	256T	EM2334T	†*	LS	0952M	23.16	286	93.0	E1	24.0
20	1760	256T	M2334T	†*	LS	0938M	22.83	260	91.0	E1	24.0
20	1760	256T	M2334T-12	†*	L1	0938M	23.16	280	91.0	F2	24.0
20	1760	286U	M2334	†*	L1	0938M	26.21	377	91.0	E1	24.0
20	1180	286T	EM4102T	†*	L1	1062M	27.76	451	93.0	E1	26.0
20	1175	286T	M4102T	†*	L1	1040M	27.76	368	90.2	E1	27.0
20	870	324T	M4112T	†*	L1	1238M	30.28	499	88.5	E1	29.0
25	3510	256T	M4118T	†*	L1	0942M	23.16	277	91.0	E1	28.0
25	3530	284TS	EM4107T	†*	L1	0950M	24.59	383	93.0	E1	28.0
25	3520	284TS	M4107T	†*	L1	0942M	24.59	361	91.0	E	29.0
25	3550	324U	M4107	†*	L1	1232M	30.66	482	88.5	E1	29.5
25	1770	284T	EM4103T	†*	LS	1046M	27.76	417	93.6	E1	30.0
25	1760	284T	M4103T	†*	LS	0954M	25.96	342	92.4	E	30.0
25	1760	284T	M4103T-12	†*	L1	0956M	25.96	432	92.4	F2	29.0
25	1775	324U	M4103	†*	L1	1234M	30.66	486	91.0	E1	31.0
25	1180	324T	EM4111T	†*	L1	1080M	30.39	560	93.0	F	32.0
25	1175	324T	M4111T	†*	L1	1060M	30.39	451	91.7	E1	33.0
25	870	326T	M4116T	†*	L1	1246M	30.28	528	89.5	E1	36.0
30	3520	286TS	EM4108T	†*	L1	0954M	24.59	382	93.0	E1	33.0
30	3520	286TS	M4108T	†*	L1	0950M	24.59	382	91.0	E	34.0
30	1770	286T	EM4104T	†*	LS	1060M	27.76	492	94.1	E1	36.0
30	1760	286T	M4104T	†*	LS	0962M	25.96	365	92.4	E	36.0
30	1760	286T	M4104T-12	†*	L1	0964M	25.96	422	92.4	F2	36.0
30	1775	326U	M4104	†*	L1	1240M	30.66	509	91.7	E1	36.0
30	1180	326T	EM4117T	†*	L1	1260M	30.28	572	93.0	E1	39.0
30	1175	326T	M4117T	†*	L1	1066M	30.39	579	91.7	E	39.0
30	870	364T	M4338T	†*	D3	1442M	32.84	698	89.5	E1	43.0

NOTE: Voltage @ 60 Hz: E=208-230/460 Volts, 60 Hz, E1=230/460 Volts usable at 208 Volts, F=230/460 Volts, F2=230/460 Volt, DOL or Wye Start, Delta Run, See notes on pages 8 and 9, and inside back flap.

SHADED RATINGS ARE CAST IRON FRAMES

General
Information

Single Phase
Motors

General Purpose

Premium Efficient
Super-E® Motors

C-Face
Industrial Motors

Severe Duty
Motors

Washdown Duty
Motors

Explosion Proof
Motors

Pump Motors

Commercial
Motors

Three Phase - TEFC, Rigid Base continued...

	Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
Single Phase Motors	40	3540	324TS	EM4109T	†*	L1	1244M	28.78	579	93.6	E1	45.0
	40	3520	324TS	M4109T	†*	L1	1050M	28.89	486	91.7	E1	45.0
	40	1775	324T	EM4110T	†*	LS	1260M	30.28	578	94.5	E1	46.0
	40	1770	324T	M4110T	†*	LS	1064M	30.39	498	93.0	E	47.0
	40	1775	324T	M4110T-12	†*	L1	1248M	30.28	560	93.0	F2	47.0
General Purpose	40	1775	365U	M4307	†*	L1	1440M	33.34	662	91.7	F	49.0
	40	1185	364T	EM4308T	†*	L1	1468M	32.84	807	94.1	F	50.5
	40	1185	364T	M4308T	†*	L1	1464M	32.84	746	93.0	E1	49.0
	40	870	365T	M4348T	†*	L1	1454M	32.84	758	90.2	E1	57.0
	50	3540	326TS	EM4114T	†*	L1	1252M	28.90	572	94.1	E1	54.0
Premium Efficient Super-E® Motors	50	3525	326TS	M4114T	†*	L1	1064M	28.89	575	92.4	E1	56.0
	50	1775	326T	EM4115T	†*	LS	1278M	30.28	634	95.0	E1	58.0
	50	1765	326T	M4115T	†*	LS	1076M	30.39	534	93.0	E	59.0
	50	1760	326T	M4115T-12	†*	L1	1080M	30.39	579	93.0	F2	60.0
	50	1760	326TS	M4115TS	†*	LS	1080M	28.89	579	93.0	E1	60.0
C-Face Industrial Motors	50	1775	365U	M4311	†*	L1	1446M	33.34	696	91.7	E1	62.0
	50	1185	365T	EM4312T	†*	L1	1474M	32.84	831	94.1	E1	61.0
	50	1180	365T	M4312T	†*	L1	1456M	32.84	772	93.0	E1	61.0
	50	870	404T	M4458T	†*	D3	1656M	38.06	1004	91.0	E1	66.0
	60	3560	364TS	EM4310T	†*	L1	1458M	30.72	736	94.5	E1	67.0
Severe Duty Motors	60	3550	364TS	M4310T	†*	L1	1256M	30.90	736	93.0	E1	66.0
	60	1780	364T	EM4314T	†*	LS	1462M	32.84	782	95.0	E1	69.0
	60	1770	364T	M4314T	†*	LS	1272M	33.02	774	93.6	E1	69.0
	60	1775	364T	M4314T-12	†*	L1	1454M	32.84	808	93.6	F2	71.0
	60	1775	364TS	M4314TS	†*	LS	1454M	30.72	734	93.6	E1	71.0
Washdown Duty Motors	60	1185	404T	EM4403T	†*	D3	1672M	38.06	1045	94.5	F	72.5
	60	1180	404T	M4403T	†*	D3	1484M	37.22	1051	93.6	F	72.0
	60	870	405T	M4468T	†*	D3	1666M	38.06	1013	91.7	E1	75.0
	75	3565	365TS	EM4313T	†*	L1	1472M	30.72	782	94.5	F	83.0
	75	3550	365TS	M4313T	†*	L1	1456M	30.72	775	93.0	E1	83.0
Explosion Proof Motors	75	1780	365T	EM4316T	†*	LS	1482M	32.84	832	95.4	E1	86.5
	75	1775	365T	M4316T	†*	LS	1476M	32.84	879	94.1	E1	87.0
	75	1775	365T	M4316T-12	†*	L1	1462M	32.84	847	94.1	F2	86.0
	75	1775	365TS	M4316TS	†*	LS	1470M	30.72	808	94.1	E1	86.0
	75	1185	405T	EM4404T	†*	D3	1680M	38.06	1143	95.0	E1	88.0
Pump Motors	75	1185	405T	M4404T	†*	D3	1678M	38.06	1093	93.6	E1	88.0
	100	3560	405TS	ECP4402T-4	†*	D3	1664M	35.06	1113	95.0	G	110.0
	100	3550	405TS	M4402T-4	†*	D3	1472M	34.22	1041	94.5	G2	108.0
	100	1780	405T	ECP4400T-4	†*	LS	1684M	38.03	1169	95.4	G	109.0
	100	1775	405T	M4400T	†*	LS	1480M	37.22	1187	94.5	F	113.0
Commercial Motors	100	1775	405T	M4400T-12	†*	L1	1480M	37.22	1153	94.5	F2	113.0
	100	1775	405TS	M4400TS	†*	LS	1480M	34.22	1114	94.5	F	113.0
	100	1180	444T	ECP4409T-4	†*	D3	1888M	44.24	1766	95.4	G	120.0
	100	1185	444T	M4409T	†*	D3	1868M	44.24	1636	94.1	F	120.0
	125	3570	444TS	ECP4412T-4	†*	D3	1852M	40.50	1421	95.4	G	136.0
	125	3560	444TS	M4412T-4	†*	D3	1860M	40.50	1264	94.5	G2	138.0
	125	1780	444T	ECP4410T-4	†*	LS	1876M	44.24	1672	95.4	G	139.0
	125	1780	444T	M4410T-4	†*	LS	1868M	44.24	1540	94.5	G2	141.0
	125	1780	444TS	M4410TS-4	†*	LS	1868M	40.50	1275	94.5	G2	141.0
	125	1190	445T	ECP4411T-4	†*	D3	18100M	44.24	1861	95.4	G	150.0
	125	1185	445T	M4411T-4	†*	D3	1872M	44.24	1664	94.1	G2	151.0

NOTE: Voltage @ 60 Hz: E1=230/460 volts usable at 208 volts, F=230/460,

F2= 230/460 volts, DOL or Wye Start, Delta Run, G=460 volts,

G2= 460 volts, DOL or Wye Start, Delta Run.

See notes on pages 8 and 9, and inside back flap.

Custom TEFC motors available through 900 Hp; Open and WPII motors through 1250 Hp. Contact your Baldor Sales Representative.

SHADED RATINGS ARE CAST IRON FRAMES

Three Phase - TEFC, Rigid Base continued...

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number		List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
150	3570	445TS	ECP4413T-4	†*	13449	D3	1856M	40.50	1151	95.4	G	164.0
150	3560	445TS	M4413T-4	†*	12390	D3	1856M	40.50	1501	94.5	G2	168.0
150	1785	445T	ECP4406T-4	†*	13511	LS	1888M	44.24	1662	95.8	G	173.0
150	1780	445T	M4406T-4	†*	12023	LS	1884M	44.24	1740	95.0	G2	168.0
150	1780	445TS	M4406TS-4	†*	12023	LS	1884M	40.50	1422	95.0	G2	168.0
150	1190	445T	ECP44156T-4	†*	16045	D3	18108M	47.74	1820	95.8	G	173.0
150	1185	445T	M44156T-4	†*	15009	D3	18108M	44.24	1672	95.0	G2	175.0
200	3570	447TS	ECP4416T-4	†*	15926	D3	1876M	43.99	1762	95.8	G	220.0
200	3560	447TS	M4416T-4	†*	14791	D3	1876M	44.00	1850	95.0	G2	220.0
200	3560	449TS	ECP44202T-2341	†*	31890	D3	18124M	48.93	2016	94.1	O	25.0
200	1785	447T	ECP4407T-4	†*	16254	LS	18136M	47.74	1837	96.2	G	224.0
200	1785	449T	ECP44204T-2341	†*	30993	D3	18136M	52.65	1825	94.1	O	26.0
200	1780	445T	M4407T-4	†*	14777	LS	18112M	44.24	1937	95.0	G2	225.0
200	1780	445TS	M4407TS-4	†*	14777	LS	18112M	40.50	1662	95.0	G2	225.0
200	1185	449T	ECP44206T-4	†*	21017	D3	18124M	52.68	2300	95.8	G	230.0
200	1185	449T	M44206T-4	†*	17874	D3	18116M	52.69	2284	95.0	G2	230.0
250	3570	449TS	ECP44252T-4	†*	24555	D3	18104M	48.93	2364	95.8	G	272.0
250	3580	5007SY	ECP50252S-2341	†*	46879	D3	20109M	54.03	3600	95.0	O	31.0
250	3560	449TS	M44252T-4	†*	21412	D3	1888M	48.93	1817	95.2	G2	268.0
250	1785	449T	ECP4408T-4	†*	20503	LS	18168M	52.68	2486	95.8	G	275.0
250	1790	5007L	ECP50254L-2341	†*	40784	D3	20113M	56.93	3772	95.0	O	31.0
250	1785	447T	M4408T-4	†*	17706	LS	18136M	47.74	1877	95.0	G2	282.0
250	1785	447TS	M4408TS-4	†*	17706	LS	18136M	44.00	2120	95.0	G2	282.0
250	1180	449TY	ECP44256T-4	†*	29565	D3	18164M	54.35	2666	95.8	G	294.0
250	1190	5009L	ECP50256L-2341	†*	54945	D3	20137M	62.93	4691	95.4	O	33.0
250	1185	449TY	M44256T-4	†*	24622	D3	18160M	54.35	2300	95.0	G2	304.0
300	3570	447TS	ECP44302T-4	†*	35889	D3	18124M	48.93	2454	95.8	G	320.0
300	3578	5007SY	ECP50302S-2341	†*	56312	D3	20121M	54.03	4267	95.4	O	36.0
300	3560	449TS	M44302T-4	†*	32708	D3	18104M	48.93	1421	95.0	G2	320.0
300	1785	449TY	ECP44304T-4	†*	28260	LS	18160M	54.35	2666	95.8	G	333.0
300	1790	5009L	ECP50304L-2341	†*	48908	D3	20133M	62.93	4700	95.4	O	37.0
300	1785	449T	M44304T-4	†*	26356	LS	18152M	52.69	2574	95.8	G2	328.0
300	1785	447TS	M44304TS-4	†*	26356	LS	18152M	48.93	2088	95.8	G2	328.0
300	1190	5011LY	ECP50306L-2341	†*	58304	D3	20153M	72.05	5650	95.4	O	40.0
300	1185	449TY	M44306T-4	†*	31429	D3	18184M	54.35	2300	95.0	G2	368.0
350	3560	449TS	ECP44352T-4	†*	43078	D3	18152M	48.93	2300	96.2	G	384.0
350	3560	449TS	M44352T-4	†*	37785	D3	18148M	48.93	2300	95.4	G	372.0
350	1785	449TY	ECP44354T-4	†*	33911	LS	18168M	54.35	2360	95.8	G	388.0
350	1790	5011LY	ECP50354L-2341	†*	52499	D3	20137M	72.05	5650	95.4	O	43.0
350	1785	449T	M44354T-4	†*	29284	LS	18168M	52.69	2680	95.8	G2	388.0
350	1785	447TS	M44354TS-4	†*	29284	LS	18168M	48.93	2490	95.8	G2	388.0
350	1190	5011LY	ECP50356L-4	†*	45893	D3	20169M	72.05	5732	95.8	G	386.0
350	1190	5011LY	ECP50356L-2341	†*	62997	D3	20177M	72.05	5188	95.4	O	45.0
350	1190	5009L	M50356L-4	†*	40996	D3	20169M	62.93	4427	95.8	G2	386.0
400	3545	449TS	ECP44402T-4	†*	50398	D3	18160M	48.92	2657	95.8	G	422.0
400	3580	5007SY	ECP50402S-2341	†*	64757	D3	20129M	54.03	4207	95.4	O	48.0
400	3545	449TS	M44402T-4	†*	45935	D3	18160M	48.93	2808	95.8	G	422.0
400	1780	449TY	ECP44404T-4	†*	42355	LS	18180M	54.35	2300	95.8	G	440.0
400	1790	5011LY	ECP50404L-2341	†*	56088	D3	20141M	72.05	4674	95.4	O	50.0
400	1785	449T	M44404T-4	†*	38299	LS	18180M	52.69	2804	95.8	G2	440.0
400	1785	447TS	M44404TS-4	†*	38299	LS	18180M	48.93	2812	95.8	G2	440.0
400	1190	5011LY	ECP50406L-2341	†*	67143	D3	20217M	72.05	5556	95.4	O	52.0

NOTE: Voltage @ 60 Hz: G=460 volt, G2=460 volts, DOL or Wye Start, Delta Run, O=2300/4160 volts. Motors with NEMA 449TY, 5007SY, 5011SY and 5011LY have non-standard "BA" due to drive end bearing cooling fan.

Please refer to layout drawing. See notes on pages 8 and 9, and inside back flap.

ECP4408T-4, ECP44306T-4, ECP44354T-4 and ECP44404T-4 do not meet NEMA Premium® efficiency. A custom motor is available. 449 and 5000 frame "M" motors and 5000 frame "ECP" motors include 100 ohm platinum winding RTDs and space heaters.

SHADED RATINGS ARE CAST IRON FRAMES

General
Information

Single Phase
Motors

General Purpose

Premium Efficient
Super-E® Motors

C-Face
Industrial Motors

Severe Duty
Motors

Washdown Duty
Motors

Explosion Proof
Motors

Pump Motors

Commercial
Motors

Three Phase - TEFC, Rigid Base continued...

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
450	1790	5011LY	ECP50454L-2341	†*	D3	20153M	72.05	5650	95.4	O	56.0
450	1190	5011LY	ECP50456L-2341	†*	D3	20241M	72.05	5650	95.4	O	58.0
500	3575	5009SY	M50502S-4	†*	D3	20157M	60.03	4572	96.2	G2	530.0
500	3580	5009SY	ECP50502S-2341	†*	D3	20169M	60.03	4724	95.8	O	60.0
500	1790	5009L	M50504L-4	†*	D3	20157M	60.03	4572	95.8	G	556.0
500	1790	5011LY	ECP50504L-2341	†*	D3	20169M	72.05	5000	95.8	O	60.0
500	1190	5011LY	ECP50506L-2341	†♦	D3	20241M	72.05	5754	95.4	O	65.0

with Roller Bearings

150	1190	447T	ECP44156TR-4	†*	D3	18108M	47.74	2048	95.8	G	173.0
200	1785	447T	ECP4407TR-4	†*	D3	18136M	47.74	2077	96.2	G	224.0
200	1180	449TY	ECP44206TR-4	†*	D3	18140M	54.35	2506	95.8	G	242.0
250	1785	449TY	ECP4408TR-4	†*	D3	18168M	54.35	2490	95.8	G	275.0
250	1180	449TY	ECP44256TR-4	†*	D3	18164M	54.35	2702	95.8	G	294.0
300	1785	449TY	ECP44304TR-4	†*	D3	18160M	54.35	2622	95.8	G	333.0

NOTE: Voltage @ 60 Hz: G=460, G2= 460, 6 lead, DOL or Wye Start, Delta Run, O=2300/4160 volts.

SHADED RATINGS ARE CAST IRON FRAMES

Suffix "TR" indicates motor has roller bearing suitable for belted loads only. All motors 449T through 5011L frame have ball bearings suitable for coupled loads. If load is belted, a roller bearing may be required. Contact your local Baldor office.

Motors with NEMA 449TY, 5009ST, 5011SY and 5011LY have non-standard "BA" due to drive end bearing cooling fan. Please refer to layout drawing.

See notes on pages 8 and 9, and inside back flap.

ECP4408TR-4, ECP44304TR-4, ECP44306TR-4 do not meet NEMA Premium® efficiency. A custom motor is available.

Three Phase - ODP, Rigid Base

1/4 thru 600 Hp General Purpose

NEMA 48 thru 5009L

Applications: Pumps, compressors, fans, conveyors, machine tools and other general three phase applications.

Features: Copper windings, ball bearings and heavy duty steel or cast iron frames. Mount in any position. EM Super-E motors have NEMA Premium® efficiency and 3 year warranty.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
1/4	1725	48	M3003	202	K	3410M	9.13	18	64.0	E1	0.7
1/4	1140	48	M3004	329	K	3411M	9.13	19	68.0	E1	0.7
1/4	1140	56	M3101	329	K	3411M	9.50	20	68.0	E1	0.7
1/3	3450	48	M3006	206	K	3410M	9.13	19	72.0	E1	0.7
1/3	1725	48	M3007	218	K	3413M	9.13	20	68.0	E1	0.8
1/3	1725	56	M3104	209	LS	3413M	9.50	20	68.0	E1	0.8
1/3	1140	48	M3008	321	K	3414M	9.13	21	70.0	E1	0.9
1/3	1140	56	M3105	343	K	3414M	10.25	22	70.0	E1	0.9
1/2	3450	48	M3009	218	K	3410M	9.13	19	68.0	E1	1.0
1/2	3450	56	M3107	218	K	3410M	9.50	19	68.0	E1	1.0
1/2	1725	48	M3010	273	K	3416M	9.13	22	74.0	E1	1.0
1/2	1725	56	M3108	239	LS	3416M	9.50	22	74.0	E1	1.0
1/2	1725	56	M3108A	323	K	3416M	10.25	23	74.0	E1	1.0
1/2	1140	48	M3011	355	K	3418M	9.38	23	72.0	E1	1.2

NOTE: Baldor NEMA 56H frames will also mount as NEMA 56, 143T and 145T frames with NEMA 56 frame shaft dimensions. Voltage @ 60 Hz: E1=230/460 volts usable at 208 volts. See notes on pages 8 and 9, and inside back flap.

Three Phase - ODP, Rigid Base continued...

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	
1/2	1140	56	M3109	378	K	3418M	11.25	25	72.0	E1	1.2	
1/2	850	56	M3160	575	K	3524M	12.07	37	66.0	E	1.3	
3/4	3450	48	M3012	261	K	3413M	9.13	21	74.0	E1	1.3	
3/4	3450	56	M3111	256	K	3413M	9.50	21	74.0	E1	1.3	
3/4	1725	48	M3013	304	K	3420M	9.75	25	75.5	E	1.5	
3/4	1725	56	M3112	266	LS	3420M	10.12	27	75.5	E	1.5	
3/4	1725	56	M3112A	353	K	3420M	11.25	26	74.0	E1	1.5	
3/4	1140	56	M3153	408	K	3428M	12.25	32	77.0	E	1.5	
3/4	1140	143T	M3153T	408	L1	3428M	12.32	33	77.0	E	1.5	
1	3450	56	EM3115	†*	371	K	3516M	11.06	32	84.0	E1	1.4
1	3450	56	M3115	296	K	3416M	9.50	23	75.5	E1	1.8	
1	1725	56	M3116	300	LS	3424M	11.75	29	78.5	E	1.7	
1	1725	56	M3116A	392	K	3424M	11.75	27	74.0	E	2.0	
1	1740	143T	EM3116T	†*	420	L1	3520M	11.12	36	85.5	E	1.4
1	1725	143T	M3116T	302	LS	3518M	11.12	32	82.5	E	1.4	
1	1725	182	M3203	510	L1	3516M	12.62	35	77.0	E	1.7	
1	1140	56/56H	M3156	434	K	3524M	11.75	37	75.5	E	1.7	
1	1150	145T	EM3156T	†*	493	L1	3528M	12.12	43	82.5	F	1.8
1	1140	145T	M3156T	424	L1	3528M	12.12	39	80.0	E	1.7	
1	850	182T	M3216T	723	L1	3623M	13.62	56	68.0	F	2.1	
1 1/2	3450	56	M3120	331	K	3424M	11.00	29	80.0	E	2.3	
1 1/2	3450	143T	EM3120T	†*	414	L1	3520M	11.12	36	85.5	E	2.1
1 1/2	3450	143T	M3120T	355	L1	3518M	11.12	32	82.5	E	2.0	
1 1/2	1725	56	M3154	347	LS	3432M	12.25	33	77.0	E	2.8	
1 1/2	1725	56	M3154A	391	K	3520M	11.07	33	78.5	E	2.4	
1 1/2	1740	145T	EM3154T	†*	440	L1	3526M	12.12	40	86.5	E	2.1
1 1/2	1740	145T	M3154T	354	LS	3524M	11.62	40	84.0	E	2.1	
1 1/2	1725	184	M3206	532	L1	3520M	12.62	38	78.5	E	2.4	
1 1/2	1140	56/56H	M3159	494	K	3528M	11.75	41	75.5	F	2.5	
1 1/2	1170	182T	EM3207T	†*	577	L1	3632M	15.00	74	87.5	E	2.6
1 1/2	1160	182T	M3207T	498	L1	3625M	15.00	63	85.5	E1	2.6	
1 1/2	850	184T	M3220T	†*	879	L1	3628M	15.00	64	70.0	F	3.1
2	3450	56	M3155	387	K	3428M	11.00	32	80.0	E	2.9	
2	3450	143T	EM3155T	†*	486	L1	3524M	11.62	40	86.5	E	2.5
2	3450	145T	M3155T	393	L1	3522M	11.62	38	84.0	E	2.6	
2	3450	184	M3208	653	L1	3520M	12.62	39	81.5	E	2.8	
2	1725	56/56H	M3157	361	LS	3524M	11.75	37	78.5	E	3.2	
2	1725	145T	EM3157T	†*	471	L1	3532M	13.00	46	86.5	E	2.7
2	1725	145T	M3157T	361	LS	3526M	12.12	42	84.0	E	2.8	
2	1725	56HZ	M3157TA	449	K	3524M	12.13	36	81.5	E	2.9	
2	1725	184	M3209	572	L1	3524M	12.62	41	78.5	E	3.2	
2	1170	184T	EM3215T	†*	590	L1	3640M	16.50	85	88.5	E	3.5
2	1160	184T	M3215T	488	L1	3628M	15.00	67	85.5	E1	3.6	
2	850	213T	M3303T	1085	L1	3721M	16.32	94	81.5	E	3.6	
3	3450	56/56H	M3158	399	K	3524M	11.75	38	80.0	E	4.0	
3	3450	145T	EM3158T	†*	493	L1	3535M	13.00	50	87.5	E1	3.7
3	3450	145T	M3158T	†*	418	L1	3528M	12.13	45	84.0	E	3.7
3	3450	184	M3210	694	L1	3524M	12.62	43	82.5	E	3.8	
3	1725	145T	M3161T	†*	430	L1	3540M	14.38	58	86.5	E	4.0
3	1725	56HZ	M3161TA	498	K	3540M	14.38	57	84.0	E	4.2	
3	1760	182T	EM3211T	†*	508	L1	3634M	15.00	69	90.2	E	4.0
3	1725	182T	M3211T	†*	377	LS	3540M	14.63	61	86.5	E	4.0

NOTE: Baldor NEMA 56H frames will also mount as NEMA 56, 143T and 145T frames with NEMA 56 frame shaft dimensions.
Voltage @ 60 Hz: E=208-230/460 Volts, E1=230/460 volts usable at 208 volts, F= 230/460 volts. See notes on pages 8 and 9, and inside back flap.

General
Information

Single Phase
Motors

General Purpose
Motors

Premium Efficient
Super-E® Motors

C-Face
Industrial Motors

Severe Duty
Motors

Washdown Duty
Motors

Explosion Proof
Motors

Pump Motors

Commercial
Motors

Three Phase - ODP, Rigid Base continued...

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
3	1740	182T	M3211T/36	431	L1	3625M	15.00	65	86.5	E	4.3
3	1725	182T	M3211TA	526	L1	3540M	14.63	62	86.5	E	4.0
3	1725	184	M3211	†*	L1	3535M	13.50	52	82.5	E	4.1
3	1725	213	M3304	699	L1	3623M	16.63	67	82.5	E	4.3
3	1160	213T	EM3305T	†*	L1	3735M	16.32	117	88.5	E1	4.4
3	1160	213T	M3305T	†*	L1	3729M	16.32	106	86.5	E	4.5
3	850	215T	M3306T	†*	L1	3735M	16.32	111	77.0	F	6.0
5	3490	182T	EM3212T	†*	L1	3634M	15.00	76	91.0	F	5.6
5	3450	182T	M3212T	432	L1	3535M	14.00	56	85.5	F	6.1
5	3450	213	M3307	†*	L1	3623M	16.62	67	84.0	E	6.0
5	1750	184T	EM3218T	†*	L1	3639M	16.50	74	90.2	E1	6.6
5	1750	184T	M3218T	417	LS	3628M	15.00	70	87.5	E	6.9
5	1750	184T	M3218TA	556	L1	3628M	15.00	70	87.5	E	7.0
5	1740	215	M3308	734	L1	3625M	16.62	72	82.5	E	7.0
5	1160	215T	EM3309T	†*	L1	3740M	17.45	131	90.2	E1	7.5
5	1160	215T	M3309T	†*	L1	3735M	16.32	117	87.5	E	8.1
5	850	254T	M2504T	1749	L1	3734M	19.75	129	77.0	F	9.8
7 1/2	3470	184T	EM3219T	†*	L1	3641M	16.50	85	91.0	F	8.0
7 1/2	3450	184T	M3219T	593	L1	3627M	15.00	72	87.5	E	8.7
7 1/2	3450	215	M3310	987	L1	3628M	16.62	75	84.0	E	9.0
7 1/2	1760	213T	EM3311T	†*	L1	3732M	16.32	117	91.7	E1	9.7
7 1/2	1750	213T	M3311T	592	LS	3643M	17.00	103	88.5	E	10.0
7 1/2	1725	254U	M2505	1325	L1	3726M	19.51	110	85.5	E	11.0
7 1/2	1180	254T	EM2506T	†*	L1	3956M	23.19	245	91.7	E1	10.7
7 1/2	1145	254T	M2506T	†*	L1	3750M	19.75	162	88.5	E	10.6
7 1/2	870	256T	M2508T	2189	L1	3938M	21.69	207	84.0	E1	12.6
10	3500	213T	EM3312T	†*	L1	3736M	17.45	133	91.7	E1	11.5
10	3450	213T	M3312T	745	L1	3725M	16.32	109	88.5	E	11.6
10	1760	215T	EM3313T	†*	L1	3739M	17.45	141	91.7	E1	12.5
10	1760	215T	M3313T	725	LS	3731M	16.32	130	89.5	E	13.0
10	1760	256U	M2510	1600	L1	3924M	21.44	177	90.2	E1	13.6
10	1180	256T	EM2511T	†*	L1	3954M	23.19	249	91.7	E1	14.3
10	1180	256T	M2511T	1200	L1	3948M	23.19	228	90.2	E1	14.7
15	3525	215T	EM3314T	†*	L1	3744M	17.45	147	91.7	E1	17.0
15	3450	215T	M3314T	†*	L1	3735M	16.32	125	89.5	E	17.5
15	1765	254T	EM2513T	†*	L1	3938M	21.69	217	93.0	E1	17.7
15	1760	254T	M2513T	†*	LS	3748M	19.75	184	91.0	E	19.0
15	1760	284U	M2523	2093	L1	3932M	23.69	272	88.5	E1	21.0
15	1180	284T	EM2524T	†*	L1	4042M	23.81	330	92.4	F	20.0
15	1175	284T	M2524T	1570	L1	3958M	24.94	289	90.2	E1	21.3
20	3510	254T	EM2514T	†*	L1	3932M	21.69	206	92.4	E1	22.5
20	3525	254T	M2514T	1393	L1	3930M	21.69	167	90.2	E1	24.0
20	1765	256T	EM2515T	†*	L1	3944M	21.69	237	93.0	E1	23.5
20	1760	256T	M2515T	1405	L1	3936M	21.69	204	91.0	E1	25.0
20	1760	256T	M2515T-12	1405	L1	3936M	21.69	272	91.0	F2	25.0
20	1760	286U	M2527	2401	L1	3940M	23.69	295	91.7	E1	25.0
20	1180	286T	EM2528T	†*	L1	4054M	25.06	372	93.0	E1	26.0
20	1175	286T	M2528T	1926	L1	3970M	26.44	377	91.0	E1	28.5
25	3525	256T	EM2516T	†*	L1	3940M	21.69	242	93.0	E1	28.0
25	3510	256T	M2516T	1685	L1	3934M	21.69	202	91.0	E1	29.0
25	1770	284T	EM2531T	†*	L1	4046M	23.81	330	94.1	E1	30.0
25	1760	284T	M2531T	1703	L1	3942M	23.44	245	91.7	E1	31.0

NOTE: Baldor NEMA 56H frames will also mount as NEMA 56, 143T and 145T frames with NEMA 56 frame shaft dimensions.
Baldor NEMA 56Hz frames will also mount as NEMA 56, 143T and 145T frames with NEMA 143T-145T frame shaft dimensions.
Voltage @ 60 Hz: E = 208-230/460 Volts, 60 Hz, E1= 230/460 volts usable at 208 volts, F= 230/460 volts, F2=230/460 volt, DOL or wye start, delta run.
See notes on pages 8 and 9, and inside back flap.

Three Phase - ODP, Rigid Base continued...

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
25	1760	284T	M2531T-12	1703	L1	3942M	23.44	245	91.7	F	31.0
25	1770	326U	M2531	3289	L1	4044M	26.56	387	91.7	E1	31.0
25	1180	324T	EM2532T	†*	3047	L1	4076M	478	93.6	E1	32.0
25	1180	324T	M2532T		2707	L1	4050M	374	91.7	E	33.0
30	3530	284TS	EM2534T	†*	2312	L1	4040M	323	93.6	F	34.0
30	3510	284TS	M2534T		1784	L1	3936M	261	91.0	E	35.0
30	1770	286T	EM2535T	†*	2352	L1	4052M	372	94.1	E1	35.0
30	1760	286T	M2535T		1991	L1	3954M	287	92.4	E1	36.0
30	1760	286T	M2535T-12		1991	L1	3952M	283	92.4	F2	36.0
30	1775	326U	M2535		3610	L1	4046M	412	92.4	F	37.0
30	1180	326T	EM2536T	†*	3178	L1	4084M	474	93.6	E1	39.0
30	1180	326T	M2536T		2852	L1	4062M	367	92.4	E	39.0
40	3540	286TS	EM2538T	†*	2979	L1	4054M	378	94.1	F	45.0
40	3510	286TS	M2538T		2512	L1	3946M	320	91.7	E	46.0
40	1775	324T	EM2539T	†*	3068	L1	4250M	474	94.5	E1	46.0
40	1770	324T	M2539T		2539	L1	4052M	354	93.0	E	49.0
40	1770	324T	M2539T-12		2539	L1	4052M	392	93.0	F	49.0
40	1185	364T	EM2540T	†*	4529	L1	1458M	827	94.1	E1	50.0
40	1180	364T	M2540T		4186	L1	4268M	567	93.0	E1	49.0
50	3530	324TS	EM2542T	†*	3245	L1	4068M	447	94.5	F	54.0
50	3520	324TS	M2542T		2603	L1	4044M	386	92.4	E	58.0
50	1775	326T	EM2543T	†*	3386	L1	4264M	472	95.0	E1	57.0
50	1770	326T	M2543T		2980	L1	4062M	413	93.0	E	60.0
50	1765	326T	M2543T-12		2980	L1	4060M	390	93.0	F2	62.0
50	1765	326TS	M2543TS-12		2980	L1	4068M	382	93.0	F2	60.0
50	1185	365T	EM2544T	†*	5482	L1	1466M	867	94.1	E1	62.0
50	1175	365T	M2544T		5039	L1	4272M	610	93.0	E1	62.0
60	3540	326TS	EM2546T	†*	4106	L1	4252M	558	94.5	F	65.0
60	3520	326TS	M2546T		3636	L1	4054M	389	93.0	F	68.0
60	1775	364T	EM2547T	†*	4263	L1	4278M	698	95.0	E1	68.0
60	1770	364TS	M2547TS-12	†*	3677	L1	4252M	479	93.6	F2	72.0
60	1770	364T	M2547T		3677	L1	4252M	487	93.6	E1	72.0
60	1770	364T	M2547T-12		3677	L1	4252M	523	93.6	F2	72.0
60	1185	404T	EM2548T-4	†*	6821	D3	1666M	1153	95.0	G2	72.0
60	1185	404T	M2548T		5877	D3	4466M	830	93.6	E1	75.0
75	3540	364TS	EM2549T	†*	5386	L1	4254M	737	94.5	F	82.0
75	3540	364TS	M2549T		4339	L1	4248M	472	93.0	E1	84.0
75	1775	365T	EM2551T	†*	5233	L1	4468M	808	95.4	F	86.0
75	1770	365T	M2551T		4513	L1	4272M	593	94.1	E1	87.0
75	1770	365T	M2551T-12		4513	L1	4272M	544	94.1	F2	87.0
75	1770	365TS	M2551TS-12		4513	L1	4272M	557	94.1	F2	87.0
75	1185	405T	EM2552T-4	†*	7595	D3	1672M	1114	95.0	G2	88.0
75	1180	405T	M2552T		6939	D3	4478M	801	93.6	E1	94.0
100	3540	365TS	EM2550T	†*	5758	L1	4264M	810	94.5	F	109.0
100	3530	365TS	M2550T		4906	L1	4260M	561	93.0	E1	113.0
100	1780	404T	EM2555T-4	†*	5967	D3	4476M	866	95.4	G2	115.0
100	1775	404T	M2555T		4927	D3	4464M	797	94.1	E1	119.0
100	1775	404T	M2555T-12		4927	D3	4464M	820	94.1	F2	119.0
100	1775	405TS	M2555TS-12		4927	D3	4464M	578	94.1	F2	119.0
100	1190	444T	EM2583T-4	†*	7624	D3	1860M	1472	95.0	G2	123.0
100	1185	444T	M2583T		7502	D3	1852M	1267	94.1	F	119.0

NOTE: voltage @ 60 Hz: E1=230/460 usable at 208 volts,
F = 230/460, F2 = 230/460 volts, usable at 208 volts, G2=460 volt, DOL or Wye Start, Delta Run.
See notes on pages 8 and 9, and inside back flap.

SHADED RATINGS ARE CAST IRON FRAMES

General
Information

Single Phase
Motors

General Purpose

Premium Efficient
Super-E® Motors

C-Face
Industrial Motors

Severe Duty
Motors

Washdown Duty
Motors

Explosion Proof
Motors

Pump Motors

Commercial
Motors

Three Phase - ODP, Rigid Base continued...

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number		List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
125	3560	404TS	EM2554T-4	†*	7082	D3	4482M	33.60	1074	95.8	G2	135.0
125	3550	404TS	M2554T-4		5599	D3	4450M	31.85	782	93.6	G2	140.0
125	1775	405T	EM2559T-4	†*	7320	D3	4488M	34.47	1238	95.4	G2	143.0
125	1775	405T	M2559T-4		5664	D3	4486M	34.47	937	94.5	G2	146.0
125	1775	405TS	M2559TS-4		5664	D3	4486M	31.10	725	94.5	G2	146.0
125	1190	445T	EM2557T-4	†*	9028	D3	1884M	39.62	1573	95.8	G2	146.0
125	1185	445T	M2557T-4		8028	D3	1856M	39.62	1298	94.1	G2	151.0
150	3550	405TS	EM2556T-4	†*	8736	D3	4472M	29.85	828	95.4	G2	161.0
150	3550	405TS	M2556T-4		7557	D3	4458M	31.85	738	93.6	G2	165.0
150	1780	444T	EM2558T-4	†*	8131	D3	1868M	39.62	1550	95.8	G2	170.0
150	1780	444T	M2558T-4		7331	D3	1864M	39.62	1409	95.0	G2	173.0
150	1780	444TS	M2558TS-4		7331	D3	1864M	34.88	1359	95.0	G2	173.0
150	1190	445T	EM2560T-4	†*	10632	D3	1896M	39.62	2000	95.8	G2	176.0
150	1185	445T	M2560T-4		8677	D3	1872M	39.62	1419	94.5	G	178.0
200	3560	444TS	EM2562T-4	†*	9900	D3	1860M	35.88	1428	95.4	G2	217.0
200	3560	444TS	M2562T-4		8336	D3	1852M	35.88	1273	94.5	G2	218.0
200	1780	445T	EM2563T-4	†*	10161	D3	1880M	39.62	1496	95.8	G2	226.0
200	1780	445T	M2563T-4		8553	D3	1880M	39.62	1483	95.0	G2	228.0
200	1190	447T	EM2564T-4	†*	13977	D3	18112M	48.12	1837	95.8	G2	234.0
200	1185	445T	M2564T-4		11046	D3	1884M	39.62	1539	94.5	G2	239.0
250	3550	445TS	M2565T-4		10182	D3	1856M	35.88	1261	94.5	G2	272.0
250	1780	445T	EM2566T-4	†*	11489	D3	1892M	39.62	1592	95.8	G2	280.0
250	1780	445T	M2566T-4		10137	D3	1880M	39.62	1401	95.0	G2	291.0
300	3550	445TS	M2568T-4	†*	15916	D3	1864M	35.88	1341	94.5	G2	329.0
300	3560	447TS	M25302S-2341	†*	24348	D3	18116M	44.38	1800	94.1	O	37.0
300	1780	445T	EM2569T-4	†*	15059	D3	18104M	39.62	1659	95.8	G2	335.0
300	1780	445T	M2569T-4	†*	13285	D3	1888M	39.62	1528	95.0	G2	346.0
300	1785	5009L	M25304L-2341	†*	25915	D3	2097M	56.62	4500	94.5	O	38.0
350	3550	445TS	M2571T-4	†*	18215	D3	1868M	35.88	1395	94.5	G2	381.0
350	3550	449TS *	M25352T-4		18215	D3	1868M	44.38	1428	94.5	G2	381.0
350	1780	447T	M2572T-4	†*	17997	D3	18124M	48.12	1708	95.0	G2	380.0
400	3550	449TS *	M25402T-4	†*	21371	D3	1888M	44.38	1776	93.6	G2	440.0
400	1780	449T *	M25404T-4	†*	19533	D3	18124M	48.12	2072	94.5	G2	448.0
400	1790	5009L	M25404L-2341	††*	33370	D3	20117M	56.62	4780	95.0	O	52.0
450	3550	449TS *	M25452T-4	†*	23533	D3	1896M	44.38	1817	94.1	G2	488.0
450	1780	449T *	M25454T-4	†◆	22091	D3	18144M	48.12	2212	94.5	G2	506.0
500	3580	5009S	M25502S-4	††*	32892	D3	20109M	51.75	4700	95.9	G	532.0
500	1790	5009L	M25504L-4	††*	36953	D3	20137M	56.62	5052	95.8	G	562.0
500	1790	5009L	M25504L-2341	††*	43662	D3	20129M	56.62	4700	95.0	O	64.0
600	3580	5009S	M25602S-4	††*	41280	D3	20117M	51.75	4700	95.8	G	652.0
600	3580	5009S	M25602S-2341	††*	49149	D3	20129M	56.62	4700	95.8	O	72.0
600	1790	5009L	M25604L-4	†††	38830	D3	20153M	56.62	4700	96.2	G	658.0
600	1790	5009L	M25604L-2341	††*	45939	D3	20145M	56.62	5000	95.4	O	76.0

NOTE: †5000 frame motors are WPI.**SHADED RATINGS ARE CAST IRON FRAMES**

Voltage @ 60 Hz: G = 460, G2=460, 6 lead, DOL or Wye Start, Delta Run,

G2=460 volt, DOL or Wye Start, Delta Run, O= 2300/4160 volts.

See notes on pages 8 and 9, and inside back flap.

Custom TEFC motors available through 900 Hp; Open and WPII motors through 1500 Hp. Contact your Baldor Sales Representative.

* Foot also drilled for 447T frame mounting.

449 and 5000 frame motors include 100 ohm platinum winding RTDs and space heaters.

Three Phase - TEFC, Rigid Base

1 thru 500 Hp

NEMA 56 thru 5011L



Applications: Energy saving applications where continuous or frequent duty is required. Suitable for use with inverter drives for variable torque and 20:1 constant torque. NEMA Premium® efficiency, Inverter Ready per NEMA standard MG1 Part 31.4.4.2.

Features: Class F insulation, 1.15 service factor, low-loss electrical grade lamination steel, NEMA Premium® efficiency and 3 year warranty.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number		List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
1	3450	56	EM3545	†*	434	K	3516M	12.25	33	84.0	F	1.4
1	3450	143T	ECP3580T-4	†*	564	L1	0516M	12.75	58	84.0	G	1.4
1	1750	56	EM3546	†*	437	K	3524M	13.23	39	86.5	E	1.4
1	1750	143T	EM3546T	†*	481	LS	3524M	13.31	40	86.5	E	1.4
1	1750	143T	EM3546T-5	†*	481	LS	3524M	13.31	38	86.5	H	1.1
1	1750	143T	EM3546T-8	†*	481	L1	3524M	13.31	42	86.5	I	3.2
1	1750	143T	EM3581T	†*	620	L1	0524M	12.55	54	86.5	E	1.4
1	1750	143T	ECP3581T-4	†*	708	L1	0524M	12.75	60	86.5	G	1.4
1	1750	143T	ECP3581T-5	†*	708	L1	0524M	12.75	63	86.5	H	1.1
1	1150	56	EM3556	†*	570	K	3528M	13.23	43	82.5	E	1.8
1	1150	145T	EM3582T	†*	694	L1	0528M	12.55	59	82.5	F	1.8
1	1150	145T	ECP3582T-4	†*	782	L1	0528M	12.75	67	82.5	G	1.8
1 1/2	3450	56	EM3550	†*	460	K	3524M	13.25	42	85.5	E	2.0
1 1/2	3450	143T	EM3550T	†*	492	L1	3524M	13.31	41	85.5	E	2.0
1 1/2	3450	143T	EM3583T	†*	565	L1	0524M	12.55	55	85.5	E	2.0
1 1/2	3450	143T	ECP3583T-4	†*	644	L1	0524M	12.75	66	85.5	G	2.0
1 1/2	1740	56	EM3554	†*	485	K	3528M	13.23	45	86.5	F	2.0
1 1/2	1740	145T	EM3554T	†*	500	LS	3528M	13.31	45	86.5	F	2.0
1 1/2	1740	145T	EM3554T-5	†*	500	LS	3528M	13.31	45	86.5	H	1.6
1 1/2	1740	145T	EM3554T-8	†*	500	L1	3528M	13.31	45	86.5	I	4.5
1 1/2	1740	145T	EM3584T	†*	642	L1	0528M	12.55	60	86.5	E	2.0
1 1/2	1740	145T	ECP3584T-4	†*	721	L1	0528M	12.75	68	86.5	G	2.0
1 1/2	1740	145T	ECP3584T-5	†*	721	L1	0528M	12.75	68	86.5	H	1.6
1 1/2	1170	182T	EM3667T	†*	826	L1	0634M	15.24	100	87.5	E	2.6
1 1/2	1160	182T	ECP3667T-4	†*	915	L1	0632M	15.93	109	86.5	G	2.6
2	3450	56	EM3555	†*	506	K	3532M	14.12	48	86.5	E	2.5
2	3450	145T	EM3555T	†*	539	L1	3532M	14.19	49	86.5	E	2.5
2	3450	145T	EM3586T	†*	643	L1	0532M	12.55	64	86.5	E	2.5
2	3450	145T	ECP3586T-4	†*	721	L1	0532M	12.75	72	86.5	G	2.5
2	1725	56	EM3558	†*	514	K	3532M	14.10	49	86.5	E	2.7
2	1725	145T	EM3558T	†*	518	LS	3532M	14.19	49	86.5	E	2.7
2	1725	145T	EM3558T-5	†*	518	LS	3532M	14.19	51	86.5	H	2.2
2	1740	145T	EM3558T-8	†*	518	L1	3535M	14.19	52	86.5	I	6.3
2	1725	145T	EM3587T	†*	673	L1	0532M	12.55	63	86.5	E	2.7
2	1725	145T	ECP3587T-4	†*	753	L1	0532M	12.75	72	86.5	G	2.7
2	1725	145T	ECP3587T-5	†*	753	L1	0532M	12.75	71	86.5	H	2.2
2	1170	184T	EM3664T	†*	839	L1	0640M	15.24	109	88.5	E	3.5
2	1160	184T	ECP3664T-4	†*	927	L1	0640M	15.93	118	87.5	G	3.6
3	3500	182T	EM3610T	†*	598	L1	3624M	16.55	70	89.5	F	3.5
3	3500	182T	EM3660T	†*	743	L1	0623M	15.24	92	89.5	F	3.5
3	3500	182T	EM3660T-8	†*	743	L1	0628M	15.24	93	88.5	I	7.8
3	3500	182T	ECP3660T-4	†*	907	L1	0628M	15.93	103	88.5	G	3.4
3	1760	182T	EM3611T	†*	573	LS	3628M	16.55	72	89.5	E	4.1

NOTE: Voltage @ 60 Hz: E = 208-230/460 volts, E1=230/460 usable at 208 volts, F= 230/460, G= 460, H= 575, I= 200 volts.

See notes on pages 8 and 9, and inside back flap.

SHADED RATINGS ARE CAST IRON FRAMES

General
Information

Single Phase
Motors

General Purpose

Premium Efficient
Super-E® Motors

C-Face
Industrial Motors

Severe Duty
Motors

Washdown Duty
Motors

Explosion Proof
Motors

Pump Motors

Commercial
Motors

Three Phase - TEFC continued...

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
3	1760	182T	EM3611T-5	†*	570	LS	3628M	16.55	72	89.5	3.1
3	1760	182T	EM3661T	†*	764	L1	0628M	15.24	92	89.5	4.0
3	1760	182T	EM3661T-8	†*	764	L1	0628M	15.24	94	89.5	9.1
3	1760	182T	EM3661T-5	†*	764	L1	0628M	15.24	93	89.5	3.2
3	1760	182T	ECP3661T-4	†*	953	L1	0628M	15.93	105	89.5	4.0
3	1760	182T	ECP3661T-5	†*	953	L1	0628M	15.93	103	89.5	3.2
3	1160	213T	EM3704T	†*	915	L1	3736M	19.02	125	89.5	5.0
3	1160	213T	EM3764T	†*	1046	L1	0736M	18.45	175	89.5	5.0
3	1160	213T	ECP3764T-4	†*	1339	L1	0736M	19.32	187	89.5	5.0
3	1160	213T	ECP3764T-5	†*	1339	L1	0736M	19.32	186	89.5	4.0
5	3470	184T	EM3613T	†*	663	L1	3634M	16.55	77	90.2	5.6
5	3500	184T	EM3663T	†*	915	L1	0632M	15.24	99	90.2	5.7
5	3500	184T	EM3663T-8	†*	915	L1	0634M	15.24	100	89.5	13.0
5	3500	184T	ECP3663T-4	†*	1116	L1	0634M	15.93	111	89.5	5.7
5	1750	184T	EM3615T	†*	627	LS	3643M	18.05	95	90.2	6.5
5	1750	184T	EM3615T-5	†*	623	LS	3643M	18.05	94	90.2	5.2
5	1750	184T	EM3665T	†*	765	L1	0643M	15.24	114	90.2	6.5
5	1750	184T	EM3665T-8	†*	765	L1	0643M	15.24	113	90.2	14.9
5	1750	184T	EM3665T-5	†*	765	L1	0643M	15.24	112	90.2	5.2
5	1750	184T	ECP3665T-4	†*	970	L1	0643M	15.93	123	90.2	6.5
5	1750	184T	ECP3665T-5	†*	970	L1	0643M	15.93	124	90.2	5.2
5	1160	215T	EM3708T	†*	1034	L1	3744M	19.02	138	89.5	8.0
5	1160	215T	EM3768T	†*	1214	L1	0744M	18.45	193	89.5	8.0
5	1160	215T	ECP3768T-4	†*	1357	L1	0744M	19.32	203	89.5	8.0
5	1160	215T	ECP3768T-5	†*	1357	L1	0744M	19.32	205	89.5	6.4
7 1/2	3525	213T	EM3709T	†*	994	L1	3733M	17.89	129	91.0	8.9
7 1/2	3525	213T	EM3769T	†*	1059	L1	0733M	18.45	165	91.0	8.6
7 1/2	3525	213T	EM3769T-8	†*	1059	L1	0733M	18.45	173	91.0	19.8
7 1/2	3525	213T	ECP3769T-4	†*	1457	L1	0733M	19.32	192	91.0	8.6
7 1/2	1770	213T	EM3710T	†*	904	LS	3736M	19.02	146	91.7	9.4
7 1/2	1770	213T	EM3710T-5	†*	900	LS	3744M	19.02	147	91.7	8.2
7 1/2	1770	213T	EM3770T	†*	1020	L1	0735M	18.45	176	91.7	9.5
7 1/2	1770	213T	EM3770T-8	†*	1020	L1	0735M	18.45	178	91.7	21.4
7 1/2	1770	213T	EM3770T-5	†*	1020	L1	0740M	18.45	178	91.7	8.0
7 1/2	1770	213T	ECP3770T-4	†*	1222	L1	0735M	19.32	180	91.7	9.5
7 1/2	1770	213T	ECP3770T-5	†*	1222	L1	0740M	19.32	178	91.7	8.0
7 1/2	1180	254T	EM2276T	†*	1731	L1	0954M	23.16	298	91.7	10.7
7 1/2	1180	254T	ECP2276T-4	†*	1942	L1	0954M	23.25	286	91.7	10.7
7 1/2	1180	254T	ECP2276T-5	†*	1942	L1	0954M	23.25	267	91.7	8.7
10	3500	215T	EM3711T	†*	1008	L1	3744M	19.02	154	91.7	11.2
10	3500	215T	EM3771T	†*	1242	L1	0744M	18.45	185	91.7	11.2
10	3500	213T	EM3771T-8	†*	1242	L1	0744M	18.45	203	91.7	26.5
10	3500	215T	ECP3771T-4	†*	1551	L1	0744M	19.32	193	91.7	11.2
10	1760	215T	EM3714T	†*	1021	LS	3752M	19.77	158	92.4	12.5
10	1760	215T	EM3714T-5	†*	1015	LS	3750M	19.77	153	91.7	10.1
10	1760	215T	EM3774T	†*	1145	L1	0748M	18.45	204	92.4	12.5
10	1760	215T	EM3774T-8	†*	1145	L1	0748M	18.45	201	92.4	28.4
10	1760	215T	EM3774T-5	†*	1145	L1	0750M	18.45	201	91.7	10.1
10	1760	215T	ECP3774T-4	†*	1463	L1	0748M	19.32	215	92.4	12.5
10	1760	215T	ECP3774T-5	†*	1463	L1	0750M	19.32	215	91.7	10.1
10	1180	256T	EM2332T	†*	1976	L1	0960M	23.16	282	91.7	14.2
10	1180	256T	ECP2332T-4	†*	2523	L1	0960M	23.25	298	91.7	14.2
10	1180	256T	ECP2332T-5	†*	2523	L1	0960M	23.25	286	91.7	11.5

NOTE: Voltage @ 60 Hz: E1=230/460 volts usable at 208 volts, F= 230/460, G= 460, H= 575, I = 200 volts.
See notes on pages 8 and 9, and inside back flap.

SHADED RATINGS ARE CAST IRON FRAMES

Three Phase - TEFC continued...

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number		List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
15	3525	254T	EM2394T	†*	1711	L1	0934M	23.16	270	91.7	E1	17.2
15	3525	254T	EM2394T-8	†*	1711	L1	0934M	23.16	267	91.7	I	39.6
15	3525	254T	EM2394T-5	†*	1711	L1	0934M	23.16	268	91.7	H	13.8
15	3525	254T	ECP2394T-4	†*	1984	L1	0934M	23.25	282	91.7	G	17.2
15	1765	254T	EM2333T	†*	1574	LS	0936M	23.16	255	92.4	E1	18.5
15	1765	254T	EM2333T-8	†*	1574	L1	0936M	23.16	238	92.4	I	42.4
15	1765	254T	ECP2333T-4	†*	1864	L1	0936M	23.25	255	92.4	G	18.5
15	1765	254T	ECP2333T-5	†*	1864	L1	0936M	23.25	255	92.4	H	14.8
15	1180	284T	EM4100T	†*	2636	L1	1056M	27.76	421	93.0	E1	19.7
15	1180	284T	ECP4100T-4	†*	2892	L1	1056M	27.56	451	93.0	G	19.8
15	1180	284T	ECP4100T-5	†*	2892	L1	1056M	27.56	425	93.0	H	15.9
20	3540	256T	EM4106T	†*	1878	L1	0944M	23.16	258	92.4	E1	23.0
20	3540	256T	EM4106T-8	†*	1878	L1	0944M	23.16	285	92.4	I2	52.9
20	3540	256T	EM4106T-5	†*	1878	L1	0944M	23.16	258	92.4	H	18.4
20	3540	256T	ECP4106T-4	†*	2315	L1	0944M	23.25	302	92.4	G	23.0
20	1765	256T	EM2334T	†*	1909	LS	0952M	23.16	286	93.0	E1	24.0
20	1765	256T	EM2334T-8	†*	1909	L1	0952M	23.16	286	93.0	I2	55.2
20	1765	256T	ECP2334T-4	†*	2000	L1	0952M	23.25	306	93.0	G	24.0
20	1765	256T	ECP2334T-5	†*	2000	L1	0952M	23.25	286	93.0	H	19.2
20	1180	286T	EM4102T	†*	3510	L1	1062M	27.76	451	93.0	E1	26.0
20	1180	286T	ECP4102T-4	†*	3930	L1	1062M	27.56	443	93.0	G	26.0
20	1180	286T	ECP4102T-5	†*	3930	L1	1062M	27.56	452	93.0	H	20.6
25	3530	284TS	EM4107T	†*	2451	L1	0950M	24.59	383	93.0	E1	28.0
25	3530	284TS	EM4107T-8	†*	2451	L1	0950M	24.59	382	93.0	I2	63.0
25	3530	284TS	EM4107T-5	†*	2451	L1	0950M	24.59	398	93.0	H	22.0
25	3530	284TS	ECP4107T-4	†*	2782	L1	0950M	24.66	411	93.0	G	28.0
25	1770	284T	EM4103T	†*	2497	LS	1046M	27.76	417	93.6	E1	30.0
25	1770	284T	EM4103T-8	†*	2497	L1	1046M	27.76	407	93.6	I2	68.4
25	1770	284T	ECP4103T-4	†*	2617	L1	1046M	27.56	423	93.6	G	30.0
25	1770	284T	ECP4103T-5	†*	2617	L1	1046M	27.56	479	93.6	H	23.9
25	1180	324T	EM4111T	†*	3972	L1	1080M	30.39	560	93.0	F	32.0
25	1180	324T	ECP4111T-4	†*	4107	L1	1256M	30.16	580	93.0	G	32.0
25	1180	324T	ECP4111T-5	†*	4107	L1	1248M	30.16	554	93.0	H	25.3
30	3520	286TS	EM4108T	†*	2913	L1	0954M	24.59	382	93.0	E1	33.0
30	3520	286TS	EM4108T-8	†*	2913	L1	0954M	24.59	407	93.0	I2	75.0
30	3520	286TS	EM4108T-5	†*	2913	L1	0954M	24.59	418	93.0	H	26.2
30	3520	286TS	ECP4108T-4	†*	3392	L1	0954M	24.66	428	93.0	G	33.0
30	1770	286T	EM4104T	†*	2963	LS	1060M	27.76	492	94.1	E1	36.0
30	1770	286T	EM4104T-8	†*	2963	L1	1060M	27.76	414	94.1	I2	84.0
30	1770	286T	ECP4104T-4	†*	3108	L1	1060M	27.56	445	94.1	G	36.0
30	1770	286T	ECP4104T-5	†*	3108	L1	1060M	27.56	446	94.1	H	29.0
30	1180	326T	EM4117T	†*	4588	L1	1260M	30.28	572	93.0	E1	39.0
30	1180	326T	ECP4117T-4	†*	5295	L1	1260M	30.16	603	93.0	G	39.0
40	3540	324TS	EM4109T	†*	3994	L1	1244M	28.78	579	93.6	E1	45.0
40	3540	324TS	EM4109T-5	†*	3994	L1	1244M	28.78	517	93.6	H	36.0
40	3540	324TS	ECP4109T-4	†*	4661	L1	1244M	28.66	517	93.6	G	45.0
40	1775	324T	EM4110T	†*	3875	LS	1260M	30.28	578	94.5	E1	46.0
40	1775	324T	EM4110T-8	†*	3875	L1	1260M	30.28	578	94.5	I2	106.0
40	1775	324T	ECP4110T-4	†*	4066	L1	1260M	30.16	578	94.5	G	46.0
40	1775	324T	ECP4110T-5	†*	4066	L1	1260M	30.16	578	94.5	H	36.8
40	1185	364T	EM4308T	†*	5718	L1	1468M	32.84	807	94.1	F	50.5
40	1185	364T	ECP4308T-4	†*	6600	L1	1468M	32.84	783	94.1	G	50.5

NOTE: Voltage @ 60 Hz: E1=230/460 volts usable at 208 volts, F= 230/460, G= 460, H= 575, I = 200,

I2= 200 volts, 6 lead, DOL or Part Winding Start.

See notes on pages 8 and 9, and inside back flap.

SHADED RATINGS ARE CAST IRON FRAMES

General
InformationSingle Phase
Motors

General Purpose

Premium Efficient
Super-E® MotorsC-Face
Industrial MotorsSevere Duty
MotorsWashdown Duty
MotorsExplosion Proof
Motors

Pump Motors

Commercial
Motors

Three Phase - TEFC continued...

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number		List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
50	3540	326TS	EM4114T	†*	4369	L1	1252M	28.90	572	94.1	E1	54.0
50	3540	326TS	EM4114T-5	†*	4369	L1	1252M	28.90	633	94.1	H	43.6
50	3540	326TS	ECP4114T-4	†*	4885	L1	1252M	28.66	572	94.1	G	54.2
50	1775	326T	EM4115T	†*	4235	LS	1278M	30.28	634	95.0	E1	58.0
50	1775	326T	EM4115T-8	†*	4235	L1	1266M	30.28	687	94.5	I2	131.0
50	1775	326T	ECP4115T-4	†*	4773	L1	1266M	30.16	608	94.5	G	57.0
50	1775	326T	ECP4115T-5	†*	4773	L1	1266M	30.16	670	94.5	H	45.6
50	1185	365T	EM4312T	†*	6910	L1	1474M	32.84	831	94.1	E1	61.0
50	1185	365T	ECP4312T-4	†*	7029	L1	1474M	32.84	831	94.1	G	61.0
60	3560	364TS	EM4310T	†*	6138	L1	1458M	30.72	736	94.5	E1	67.0
60	3560	364TS	EM4310T-8	†*	6138	L1	1458M	30.72	755	94.1	I	154.0
60	3560	364TS	ECP4310T-4	†*	7089	L1	1458M	30.72	742	94.1	G	67.0
60	1780	364T	EM4314T	†*	6094	LS	1462M	32.84	782	95.0	E1	69.0
60	1780	364T	ECP4314T-4	†*	6397	L1	1462M	32.84	808	95.0	G	69.0
60	1780	364T	ECP4314T-5	†*	6397	L1	1462M	32.84	808	95.0	H	55.0
60	1185	404T	EM4403T	†*	8220	D3	1672M	38.06	1045	94.5	F	72.5
60	1185	404T	ECP4403T-4	†*	9410	D3	1672M	38.03	1100	94.5	G	72.5
75	3565	365TS	EM4313T	†*	7141	L1	1472M	30.72	782	94.5	F	83.0
75	3565	365TS	ECP4313T-4	†*	7925	L1	1472M	30.72	789	94.5	G	83.0
75	1780	365T	EM4316T	†*	7126	LS	1482M	32.84	832	95.4	E1	86.5
75	1780	365T	ECP4316T-4	†*	7475	L1	1482M	32.84	843	95.4	G	86.5
75	1780	365T	ECP4316T-5	†*	7475	L1	1482M	32.84	847	95.4	H	69.2
75	1185	405T	EM4404T	†*	9572	D3	1680M	38.06	1143	95.0	E1	88.0
75	1185	405T	ECP4404T-4	†*	11452	D3	1680M	38.03	1172	95.0	G	88.0
100	3560	405TS	ECP4402T-4	†*	9763	D3	1664M	35.06	1113	95.0	G	110.0
100	1780	405T	ECP4400T-4	†*	9756	LS	1684M	38.03	1169	95.4	G	109.0
100	1780	405T	ECP4400T-5	†*	9756	LS	1684M	38.03	1153	95.4	H	87.0
100	1180	444T	ECP4409T-4	†*	12597	D3	1888M	44.24	1766	95.4	G	120.0
125	3570	444TS	ECP4412T-4	†*	11471	D3	1852M	40.50	1421	95.4	G	136.0
125	1780	444T	ECP4410T-4	†*	11533	LS	1876M	44.24	1672	95.4	G	139.0
125	1780	444T	ECP4410T-5	†*	11533	LS	1876M	44.24	1327	95.4	H	111.5
125	1190	445T	ECP4411T-4	†*	14231	D3	18100M	44.24	1861	95.4	G	150.0
150	3570	445TS	ECP4413T-4	†*	13449	D3	1856M	40.50	1151	95.4	G	164.0
150	1785	445T	ECP4406T-4	†*	13511	LS	1888M	44.24	1662	95.8	G	173.0
150	1785	445T	ECP4406T-5	†*	13511	LS	1888M	44.24	1823	95.8	H	141.0
150	1190	445T	ECP44156T-4	†*	16045	D3	18108M	47.74	1820	95.8	G	173.0
200	3570	447TS	ECP4416T-4	†*	15926	D3	1876M	43.99	1762	95.8	G	220.0
200	3560	449TS	ECP44202T-2341	†*	31890	D3	18124M	48.93	2016	94.1	O	25.0
200	1785	447T	ECP4407T-4	†*	16254	LS	18136M	47.74	1837	96.2	G	224.0
200	1785	447T	ECP4407T-5	†*	16254	LS	18136M	47.74	1836	96.2	H	179.0
200	1785	449T	ECP44204T-2341	†*	30993	D3	18136M	52.65	1825	94.1	O	26.0
200	1185	449T	ECP44206T-4	†*	21017	D3	18124M	52.68	2300	95.8	G	230.0
250	3580	5007SY	ECP50252S-2341	†*	46879	D3	20109M	54.03	3600	95.0	O	31.0
250	3570	449TS	ECP44252T-4	†*	24555	D3	18104M	48.93	2364	95.8	G	272.0
250	1785	449T	ECP4408T-4	†*	20503	LS	18168M	52.68	2486	95.8	G	275.0
250	1790	5007L	ECP50254L-2341	†*	40784	D3	20113M	56.93	3772	95.0	O	31.0
250	1180	449TY	ECP44256T-4	†*	29565	D3	18164M	54.35	2666	95.8	G	294.0
250	1190	5009L	ECP50256L-2341	†*	54945	D3	20137M	62.93	4691	95.4	O	33.0
300	3578	5007SY	ECP50302S-2341	†*	56312	D3	20121M	54.03	4267	95.4	O	36.0
300	3570	447TS	ECP44302T-4	†*	35889	D3	18124M	48.93	2454	95.8	G	320.0
300	1785	449TY	ECP44304T-4	†*	28260	LS	18160M	54.35	2666	95.8	G	333.0
300	1790	5009L	ECP50304L-2341	†*	48908	D3	20133M	62.93	4700	95.4	O	37.0
300	1190	5011LY	ECP50306L-2341	†*	58304	D3	20153M	72.05	5650	95.4	O	40.0

NOTE: Voltage @ 60 Hz: E1= 230/460 volts usable at 208 volts, F= 230/460, G= 460, H= 575, I=200 volts, I2= 200, 6 lead, DOL or Part Winding Start. O=2300/4160 volts.

Motors with NEMA 449TY and 5007SY have non-standard "BA" due to drive end bearing cooling fan. Please refer to layout drawing.

ECP4408T-4 and ECP44304T-4 do not meet NEMA Premium® efficiency. A custom motor is available. See notes on pages 8 and 9, and inside back flap.

SHADED RATINGS ARE CAST IRON FRAMES

Three Phase - TEFC, continued...

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	
350	3560	449TS	ECP44352T-4	†*	43078	D3	18152M	48.93	2300	96.2	G	384.0
350	1785	449TY	ECP44354T-4	†*	33911	LS	18168M	54.35	2360	95.8	G	388.0
350	1790	5011LY	ECP50354L-2341	†*	52499	D3	20137M	72.05	5650	95.4	O	43.0
350	1190	5011LY	ECP50356L-4	†*	45893	D3	20169M	72.05	5732	95.8	G	386.0
350	1190	5011LY	ECP50356L-2341	†*	62997	D3	20177M	72.05	5188	95.4	O	45.0
400	3580	5007SY	ECP50402S-2341	†*	64757	D3	20129M	54.03	4207	95.4	O	48.0
400	3545	449TS	ECP44402T-4	†*	50398	D3	18160M	48.92	2657	95.8	G	422.0
400	1780	449TY	ECP44404T-4	†*	42355	LS	18180M	54.35	2300	95.8	G	440.0
400	1790	5011LY	ECP50404L-2341	†*	56088	D3	20141M	72.05	4674	95.4	O	50.0
400	1190	5011LY	ECP50406L-2341	†*	67143	D3	20217M	72.05	5556	95.4	O	52.0
450	1790	5011LY	ECP50454L-2341	†*	59682	D3	20153M	72.05	5650	95.4	O	56.0
450	1190	5011LY	ECP50456L-2341	†*	72393	D3	20241M	72.05	5650	95.4	O	58.0
500	3580	5009SY	ECP50502S-2341	†*	75622	D3	20169M	60.03	4724	95.8	O	60.0
500	1790	5011LY	ECP50504L-2341	†*	63272	D3	20169M	72.05	5000	95.8	O	60.0
500	1190	5011LY	ECP50506L-2341	†♦	77089	D3	20241M	72.05	5754	95.4	O	65.0
with Roller Bearings												
150	1190	447T	ECP44156TR-4	†*	16045	D3	18108M	47.74	2048	95.8	G	173.0
200	1785	447T	ECP4407TR-4	†*	16556	D3	18136M	47.74	2077	96.2	G	224.0
200	1180	449TY	ECP44206TR-4	†*	21017	D3	18140M	54.35	2506	95.8	G	242.0
250	1785	449TY	ECP4408TR-4	†*	20885	D3	18168M	54.35	2490	95.8	G	275.0
250	1180	449TY	ECP44256TR-4	†*	29565	D3	18164M	54.35	2702	95.8	G	294.0
300	1785	449TY	ECP44304TR-4	†*	28784	D3	18160M	54.35	2622	95.8	G	333.0
C-Face less Base												
1/2	1750	56C	VEM3538	†*	411	K	3516M	12.24	31	82.5	E	0.8
3/4	1740	56C	VEM3542	†*	437	K	3518M	12.24	34	82.5	E	1.1
	1725	145TC	VEM3558T	†*	536	L1	3532M	14.31	51	86.5	E	2.7
1	3450	56C	VEM3545	†*	448	K	3516M	12.24	32	84.0	F	1.4
1	1750	56C	VEM3546	†*	449	K	3524M	13.24	39	86.5	E	1.4
1	1750	143TC	VEM3546T	†*	458	L1	3524M	13.31	42	86.5	E	1.4
1	1750	56C	VEM3581	†*	656	K	0524M	12.49	54	86.5	E	1.4
1	1750	143TC	VEM3581T	†*	656	L1	0524M	13.04	55	86.5	E	1.4
1	1750	143TC	VEM3581T-5	†*	656	L1	0524M	13.04	55	86.5	H	1.1
1	1150	56C	VEM3556	†*	584	K	3528M	13.24	43	82.5	E	1.8
1 1/2	3450	56C	VEM3550	†*	474	K	3524M	13.24	42	85.5	E	2.0
1 1/2	1740	56C	VEM3554	†*	499	K	3528M	13.24	45	86.5	F	2.0
1 1/2	1740	145TC	VEM3554T	†*	478	L1	3528M	13.31	45	86.5	F	2.0
1 1/2	1740	145TC	VEM3584T	†*	658	L1	0528M	13.04	61	86.5	E	2.0
1 1/2	1740	145TC	VEM3584T-5	†*	658	L1	0528M	13.04	62	86.5	H	1.6
2	3450	56C	VEM3555	†*	520	K	3532M	14.12	47	86.5	E	2.5
2	1725	56C	VEM3558	†*	528	K	3532M	14.12	51	86.5	E	2.7
2	1725	145TC	VEM3587T	†*	709	L1	0532M	13.04	64	86.5	E	2.7
2	1725	145TC	VEM3587T-5	†*	709	L1	0532M	13.04	66	86.5	H	2.2
3	3500	182TC	VEM3610T	†*	635	L1	3624M	16.55	66	89.5	F	3.5
3	1760	182TC	VEM3611T	†*	603	LS	3628M	16.55	69	89.5	E	4.1
3	1760	182TC	VEM3661T	†*	821	L1	0628M	16.00	97	89.5	E1	4.0
3	1760	182TC	VEM3661T-5	†*	821	L1	0628M	16.00	97	89.5	H	3.2
5	3470	184TC	VEM3613T	†*	701	L1	3634M	16.55	77	90.2	F	5.6
5	1750	184TC	VEM3615T	†*	657	LS	3643M	18.05	95	90.2	F	6.5
5	1750	184TC	VEM3665T	†*	822	L1	0640M	16.00	112	90.2	E	6.5
5	1750	184TC	VEM3665T-5	†*	822	L1	0640M	16.00	113	90.2	H	5.2
7 1/2	1770	213TC	VEM3770T	†*	1140	L1	0735M	19.25	162	91.7	E1	9.5
7 1/2	1770	213TC	VEM3770T-5	†*	1140	L1	0740M	19.25	164	91.7	H	8.0
10	1760	215TC	VEM3774T	†*	1265	L1	0748M	19.25	198	92.4	E1	12.5

NOTE: Voltage @ 60 Hz: E = 208-230/460 volts, E1=230/460 usable at 208 volts, F= 230/460, G= 460, H= 575, O= 2300/4160 volts. See notes on pages 8 and 9, and inside back flap. All motors 449T through 5011L have ball bearing suitable for coupled loads. If load is belted, a roller bearing may be required, contact your local Baldor office.

Suffix "TR" indicates motor has roller bearing suitable for belted loads only. Motors with NEMA 449TY, 5007SY, 5009SY and 5011LY have non-standard "BA" due to drive end bearing cooling fan. Please refer to layout drawing. ECP4408T-4, ECP4408T-5, ECP44304T-4, ECP44306T-4, ECP44354T-4, ECP44404T-4, ECP4408TR-4, ECP44304TR-4 and ECP44306TR-4 do not meet NEMA Premium® efficiency. A custom motor is available.

Custom TEFC motors available through 900 Hp; Open and WPII motors through 1250 Hp. Contact your Baldor Sales Representative.

Red catalog number = New item

SHADED RATINGS ARE CAST IRON FRAMES

General
InformationSingle Phase
Motors

General Purpose

Premium Efficient
Super-E® MotorsC-Face
Industrial MotorsSevere Duty
MotorsWashdown Duty
MotorsExplosion Proof
Motors

Pump Motors

Commercial
Motors

Three Phase - TEFC, C-Face continued...

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
C-Face with Base											
1	3450	56C	CEM3545	†*	452	K	3516M	12.25	30	84.0	1.4
1	1750	56C	CEM3546	†*	453	K	3524M	13.23	36	86.5	1.4
1	1750	143TC	CEM3581T	†*	660	L1	0524M	13.05	56	86.5	1.4
1	1750	143TC	CEM3581T-5	†*	660	L1	0524M	13.05	56	86.5	1.1
1 1/2	3450	56C	CEM3550	†*	478	K	3524M	13.25	41	85.5	2.0
1 1/2	1740	56C	CEM3554	†*	503	K	3528M	13.23	42	86.5	2.0
1 1/2	3450	143TC	CEM3583T	†*	639	L1	0524M	13.05	60	85.5	2.0
1 1/2	3450	143TC	CEM3583T-5	†*	605	L1	0524M	13.05	60	85.5	1.6
1 1/2	1740	145TC	CEM3584T	†*	682	L1	0528M	13.05	64	86.5	2.0
1 1/2	1740	145TC	CEM3584T-5	†*	682	L1	0528M	13.05	61	86.5	1.6
2	3450	56C	CEM3555	†*	524	K	3532M	14.12	48	86.5	2.5
2	1725	56C	CEM3558	†*	532	K	3532M	14.10	46	86.5	2.7
2	3450	145TC	CEM3586T	†*	683	L1	0532M	13.05	67	86.5	2.5
2	3450	145TC	CEM3586T-5	†*	683	L1	0532M	13.05	66	86.5	2.0
2	1725	145TC	CEM3587T	†*	713	L1	0532M	13.05	67	86.5	2.7
2	1725	145TC	CEM3587T-5	†*	713	L1	0532M	13.05	65	86.5	2.2
3	3500	182TC	CEM3610T	†*	646	L1	3624M	16.55	66	89.5	3.5
3	1760	182TC	CEM3611T	†*	625	LS	3628M	16.55	69	89.5	4.1
3	3500	182TC	CEM3660T	†*	811	L1	0623M	16.00	100	89.5	3.5
3	3500	182TC	CEM3660T-5	†*	811	L1	0628M	16.00	99	88.5	2.7
3	1760	182TC	CEM3661T	†*	832	L1	0628M	16.00	101	89.5	4.0
3	1760	182TC	CEM3661T-5	†*	832	L1	0628M	16.00	100	89.5	3.2
5	3470	184TC	CEM3613T	†*	712	L1	3634M	16.55	77	90.2	5.6
5	1750	184TC	CEM3615T	†*	675	LS	3643M	18.05	95	90.2	6.5
5	3500	184TC	CEM3663T	†*	983	L1	0632M	16.00	107	90.2	5.7
5	3500	184TC	CEM3663T-5	†*	983	L1	0634M	16.00	107	89.5	4.6
5	1750	184TC	CEM3665T	†*	833	L1	0640M	16.00	116	90.2	6.5
5	1750	184TC	CEM3665T-5	†*	833	L1	0640M	16.00	115	90.2	5.2
7 1/2	3525	213TC	CEM3769T	†*	1195	L1	0733M	19.20	180	91.0	8.6
7 1/2	3525	213TC	CEM3769T-5	†*	1195	L1	0733M	19.20	191	91.0	6.9
7 1/2	1770	213TC	CEM3770T	†*	1156	L1	0735M	19.20	170	91.7	9.5
7 1/2	1770	213TC	CEM3770T-5	†*	1156	L1	0740M	19.20	178	91.7	8.0
10	3500	215TC	CEM3771T	†*	1378	L1	0744M	19.20	197	91.7	11.2
10	3500	215TC	CEM3771T-5	†*	1378	L1	0744M	19.20	181	91.7	9.0
10	1760	215TC	CEM3774T	†*	1281	L1	0748M	19.20	202	92.4	12.5
10	1760	215TC	CEM3774T-5	†*	1281	L1	0750M	19.20	201	91.7	10.1
15	3525	254TC	CEM2394T	†*	2119	L1	0934M	23.66	285	91.7	17.2
15	1765	254TC	CEM2333T	†*	1982	L1	0936M	23.66	255	92.4	18.5
15	1765	254TC	CEM2333T-5	†*	1982	L1	0936M	23.66	238	92.4	14.8
20	3520	256TC	CEM4106T	†*	2286	L1	0940M	23.66	258	92.4	22.5
20	1765	256TC	CEM2334T	†*	2316	L1	0948M	23.66	286	93.0	24.0
20	1765	256TC	CEM2334T-5	†*	2316	L1	0948M	23.66	286	93.0	19.0
25	3530	284TSC	CEM4107T	†*	3017	L1	0950M	24.57	383	93.0	28.0
25	1770	284TC	CEM4103T	†*	3063	L1	1046M	27.76	420	93.6	30.0
25	1770	284TC	CEM4103T-5	†*	3063	L1	1046M	27.76	421	93.6	23.9
30	1770	286TC	CEM4104T	†*	3529	L1	1060M	27.76	470	94.1	36.0
40	1775	324TC	CEM4110T	†*	4498	L1	1260M	30.28	608	94.5	46.0
50	1775	326TC	CEM4115T	†*	4858	L1	1266M	30.28	633	94.5	57.0
60	1780	364TC	CEM4314T	†*	6774	L1	1462M	32.84	808	95.0	69.0
75	1780	365TC	CEM4316T	†*	7805	L1	1482M	32.84	892	95.4	84.0
100	1780	405TC	CEM4400T	†*	10103	D3	1684M	38.06	1495	95.4	109.0

NOTE: Voltage @ 60 Hz: E = 208-230/460 volts, E1= 230/460 usable at 208 volts ,
F= 230/460 volts. H= 575 volts.

See notes on pages 8 and 9, and inside back flap.

SHADED RATINGS ARE CAST IRON FRAMES

Three Phase - F2 Mount - TEFC



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
15	1765	254T	EFM2333T	†*	L1	0936M	23.16	255	92.4	E1	18.5
20	1765	256T	EFM2334T	†*	L1	0948M	23.16	286	93.0	E1	24.0
25	1770	284T	EFM4103T	†*	L1	1046M	27.76	415	93.6	E1	30.0
30	1770	286T	EFM4104T	†*	L1	1060M	27.76	416	94.1	E1	36.0

NOTE: Voltage @ 60 Hz: E1=230/460 usable at 208 volts.
See notes on pages 8 and 9, and inside back flap.

SHADED RATINGS ARE CAST IRON FRAMES

Three Phase - Explosion Proof - TEFC

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
1	1750	143T	EM7014T	◆■⑧	L1	X3524M	15.23	49	86.5	U	1.4
1	1750	143T	EM7114T-C	◆②	L1	X0524M	16.28	80	86.5	E	1.4
1 1/2	1740	145T	EM7034T	◆■⑧	L1	X3530M	16.10	56	86.5	U	2.0
1 1/2	1740	145T	EM7134T-C	◆②	L1	X0528M	16.28	85	86.5	F	2.0
2	1725	145T	EM7037T	◆⑧	L1	X3532M	16.10	61	86.5	E	2.7
2	1725	145T	EM7137T-C	◆②	L1	X0532M	16.28	88	86.5	E	2.7
3	1760	182T	EM7142T-C	◆■②	L1	X0628M	17.56	136	88.5	U	4.0
5	1750	184T	EM7144T-C	◆■②	L1	X0643M	17.56	152	90.2	U	6.5
7 1/2	1770	213T	EM7147T-C	◆■②	L1	X0735M	19.91	239	91.7	U	9.5
10	1760	215T	EM7170T	◆⑧	L1	X0748M	19.90	251	92.4	F	12.5
10	1760	215T	EM7170T-C	◆■②	L1	X0748M	19.91	252	92.4	U	12.5
15	1765	254T	EM7054T	◆■⑧	L1	X0942M	25.50	370	92.4	U	18.0
15	1765	254T	EM7054T-C	◆■②	L1	X0942M	25.50	370	92.4	U	18.0
20	1765	256T	EM7056T	◆■⑧	L1	X0952M	25.50	393	93.0	U	24.0
20	1765	256T	EM7056T-C	◆■②	L1	X0952M	25.50	393	93.0	U	24.0
25	1780	284T	EM7058T	◆■⑧	L1	X1050M	28.61	479	93.6	U	30.5
25	1780	284T	EM7058T-C	◆■②	L1	X1050M	28.61	494	93.6	U	30.5
30	1780	286T	EM7060T	◆■⑧	L1	X1056M	28.61	519	94.1	U	36.0
30	1780	286T	EM7060T-C	◆■②	L1	X1056M	28.61	518	94.1	U	36.0
40	1775	324T	EM7062T	◆■⑧	L1	X1260M	32.00	711	94.5	U	46.0
40	1775	324T	EM7062T-C	◆■②	L1	X1260M	32.12	713	94.5	U	46.0
50	1775	326T	EM7064T	◆■⑧	L1	X1266M	32.00	789	94.5	U	57.0
50	1775	326T	EM7064T-C	◆■②	L1	X1266M	32.12	741	94.5	U	57.0
60	1780	364T	EM7066T	◆■⑦	L1	X1462M	33.25	992	94.5	U	69.0
60	1780	364T	EM7066T-C	◆■②	L1	X1462M	33.25	992	94.5	U	69.0

NOTE: Voltage @ 60 Hz: E = 208-230/460 volts, F= 230/460. Voltage @ 50//60 Hz:
U= 190/380//230/460 volts, 50//60 Hz

SHADED RATINGS ARE CAST IRON FRAMES

See notes on pages 8 and 9, and inside back flap. ① Class I, Group D only, T2C. ② Class 1 Group C & D, Class II Group F & G, T4.
⑦ Class I, Group D, Class II, Group F&G, T4. ⑧ Class I, Group D, Class II, Group F & G, T3C.

NOTE: These motors resist condensation buildup better than standard explosion proof designs. They are recommended for applications such as fuel transfer terminals and fuel truck loading facilities where motors may run intermittently, applications where explosion-proof motors are installed outdoors exposed to the environment, and may not be operated for extended periods of time. These explosion-proof motors are not suitable for use with adjustable speed drives inverter duty explosion-proof motors must be used. See page 165.

BALDOR**NEMA**
PremiumINVERTER READY
PER NEMA STD M01
PART 31.4.4.2**Premium Efficient Super-E® Motors****Three Phase -
ODP****1 thru 300 Hp****NEMA 56 thru 445T**

Applications: Energy saving applications where continuous or frequent duty is required. The motors are suitable for use with inverter drives for variable torque and 23:1 constant torque. Inverter Ready per NEMA standard MG 1 Part 31.4.4.2.

Features: Class F insulation, 1.15 service factor, low-loss electrical grade lamination steel, ISR® magnet wire, NEMA Premium® efficiency, and 3 year warranty.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
1	3450	56	EM3115	†*	K	3516M	11.06	32	84.0	E1	1.4
1	1740	143T	EM3116T	†*	L1	3520M	11.12	36	85.5	E	1.4
1	1740	143T	EM3116T-8	†*	L1	3520M	11.12	36	85.5	I	3.2
1	1740	143T	EM3116T-5	†*	L1	3520M	11.12	36	85.5	H	1.1
1	1150	145T	EM3156T	†*	L1	3528M	12.12	43	82.5	F	1.8
1 1/2	3450	143T	EM3120T	†*	L1	3520M	11.12	36	85.5	E	2.1
1 1/2	1740	145T	EM3154T	†*	L1	3526M	12.12	40	86.5	E	2.1
1 1/2	1740	145T	EM3154T-8	†*	L1	3526M	12.12	42	86.5	I	4.8
1 1/2	1740	145T	EM3154T-5	†*	L1	3526M	12.12	40	86.5	H	1.7
1 1/2	1170	182T	EM3207T	†*	L1	3632M	15.00	74	87.5	E	2.6
2	3450	143T	EM3155T	†*	L1	3524M	11.62	40	86.5	E	2.5
2	1725	145T	EM3157T	†*	L1	3532M	13.00	46	86.5	E	2.7
2	1725	145T	EM3157T-8	†*	L1	3532M	13.00	47	86.5	I	6.1
2	1725	145T	EM3157T-5	†*	L1	3532M	13.00	46	86.5	H	2.1
2	1170	184T	EM3215T	†*	L1	3640M	16.50	85	88.5	E	3.5
3	3450	145T	EM3158T	†*	L1	3535M	13.00	50	87.5	E1	3.7
3	1760	182T	EM3211T	†*	L1	3634M	15.00	69	90.2	E	4.0
3	1760	182T	EM3211T-8	†*	L1	3628M	15.00	72	89.5	I	9.3
3	1760	182T	EM3211T-5	†*	L1	3628M	15.00	69	89.5	H	3.1
3	1160	213T	EM3305T	†*	L1	3735M	16.32	117	88.5	E1	4.4
5	3490	182T	EM3212T	†*	L1	3634M	15.00	76	91.0	F	5.6
5	1750	184T	EM3218T	†*	L1	3639M	16.50	74	90.2	E1	6.6
5	1750	184T	EM3218T-8	†*	L1	3632M	15.00	75	89.5	I	15.0
5	1750	184T	EM3218T-5	†*	L1	3632M	15.00	74	89.5	H	5.2
5	1160	215T	EM3309T	†*	L1	3740M	17.45	131	90.2	E1	7.5
7 1/2	3470	184T	EM3219T	†*	L1	3641M	16.50	85	91.0	F	8.0
7 1/2	1760	213T	EM3311T	†*	L1	3732M	16.32	117	91.7	E1	9.7
7 1/2	1760	213T	EM3311T-8	†*	L1	3732M	16.32	116	91.7	I	22.3
7 1/2	1760	213T	EM3311T-5	†*	L1	3732M	16.32	118	91.0	H	8.0
7 1/2	1180	254T	EM2506T	†*	L1	3956M	23.19	245	91.7	E1	10.7
10	3500	213T	EM3312T	†*	L1	3736M	17.45	133	91.7	E1	11.5
10	1760	215T	EM3313T	†*	L1	3739M	17.45	141	91.7	E1	12.5
10	1760	215T	EM3313T-8	†*	L1	3739M	17.45	148	91.7	I	29.5
10	1760	215T	EM3313T-5	†*	L1	3746M	18.20	148	91.7	H	10.2
10	1180	256T	EM2511T	†*	L1	3954M	23.19	249	91.7	E1	14.3
15	3525	215T	EM3314T	†*	L1	3744M	17.45	147	91.7	E1	17.0
15	1765	254T	EM2513T	†*	L1	3938M	21.69	217	93.0	E1	17.7
15	1765	254T	EM2513T-8	†*	L1	3938M	21.69	234	93.0	I	40.7
15	1765	254T	EM2513T-5	†*	L1	3938M	21.69	234	93.0	H	14.1
15	1180	284T	EM2524T	†*	L1	4042M	23.81	330	92.4	F	20.0

NOTE: Voltage @ 60 Hz: E = 208-230/460 volts, E1 = 230/460 usable at 208 volts, F = 230/460, H = 575, I = 200, I2 = 200 volts, DOL or Part Winding Start.
See notes on pages 8 and 9, and inside back flap.

Three Phase - ODP continued...

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
20	3510	254T	EM2514T	†*	L1	3932M	21.69	206	92.4	E1	22.5
20	3510	254T	EM2514T-8	†*	L1	3932M	21.69	186	92.4	I2	52.3
20	1765	256T	EM2515T	†*	L1	3944M	21.69	237	93.0	E1	23.5
20	1765	256T	EM2515T-8	†*	L1	3944M	21.69	237	93.0	I2	54.3
20	1765	256T	EM2515T-5	†*	L1	3944M	21.69	237	93.0	H	18.9
20	1180	286T	EM2528T	†*	L1	4054M	25.06	372	93.0	E1	26.0
25	3525	256T	EM2516T	†*	L1	3940M	21.69	242	93.0	E1	28.0
25	3520	256T	EM2516T-8	†*	L1	3940M	21.69	242	93.0	I	63.2
25	1770	284T	EM2531T	†*	L1	4046M	23.81	330	94.1	E1	30.0
25	1770	284T	EM2531T-8	†*	L1	4046M	23.81	313	94.1	I2	69.5
25	1770	284T	EM2531T-5	†*	L1	4046M	23.81	330	94.1	H	24.2
25	1180	324T	EM2532T	†*	L1	4076M	27.69	478	93.6	E1	32.0
30	3530	284TS	EM2534T	†*	L1	4040M	22.44	323	93.6	F	34.0
30	1770	286T	EM2535T	†*	L1	4052M	25.06	372	94.1	E1	35.0
30	1770	286T	EM2535T-8	†*	L1	4052M	25.06	353	94.1	I2	81.0
30	1770	286T	EM2535T-5	†*	L1	4052M	25.06	356	94.1	H	28.0
30	1180	326T	EM2536T	†*	L1	4084M	28.69	474	93.6	E1	39.0
40	3540	286TS	EM2538T	†*	L1	4054M	23.69	378	94.1	F	45.0
40	3540	286TS	EM2538T-8	†*	L1	4054M	23.69	377	94.1	I2	105.0
40	1775	324T	EM2539T	†*	L1	4250M	26.69	474	94.5	E1	46.0
40	1775	324T	EM2539T-8	†*	L1	4250M	26.69	488	94.5	I2	107.0
40	1775	324T	EM2539T-5	†*	L1	4250M	26.69	482	94.5	H	37.4
40	1185	364T	EM2540T	†*	L1	1458M	29.69	827	94.1	E1	50.0
50	3530	324TS	EM2542T	†*	L1	4068M	25.69	447	94.5	F	54.0
50	1775	326T	EM2543T	†*	L1	4264M	27.69	472	95.0	E1	57.0
50	1775	326T	EM2543T-8	†*	L1	4256M	27.69	521	94.5	I2	132.0
50	1775	326T	EM2543T-5	†*	L1	4256M	27.69	445	94.5	H	46.0
50	1185	365T	EM2544T	†*	L1	1466M	29.69	867	94.1	E1	62.0
60	3540	326TS	EM2546T	†*	L1	4252M	25.19	558	94.5	F	65.0
60	1775	364T	EM2547T	†*	L1	4278M	30.69	698	95.0	E1	68.0
60	1775	364T	EM2547T-8	†*	L1	4278M	30.69	615	95.0	I2	160.0
60	1775	364T	EM2547T-5	†*	L1	4278M	30.69	726	95.0	H	56.0
60	1185	404T	EM2548T-4	†*	D3	1666M	34.00	1153	95.0	G2	72.0
75	3540	364TS	EM2549T	†*	L1	4254M	25.81	737	94.5	F	82.0
75	1775	365T	EM2551T	†*	L1	4468M	33.72	808	95.4	F	86.0
75	1775	365T	EM2551T-8	†*	L1	1462M	29.69	808	95.0	I2	195.0
75	1185	405T	EM2552T-4	†*	D3	1672M	34.00	1114	95.0	G2	88.0
100	3540	365TS	EM2550T	†*	L1	4264M	26.81	810	94.5	F	109.0
100	1780	404T	EM2555T-4	†*	D3	4476M	36.97	866	95.4	G2	115.0
100	1780	404T	EM2555T-8	†*	D3	4476M	36.97	1114	95.4	I2	263.0
100	1190	444T	EM2583T-4	†*	D3	1860M	39.62	1472	95.0	G2	123.0

NOTE: Voltage @ 60 Hz: E1=230/460 usable at 208 volts, F= 230/460, G2= 460, 6 lead, DOL or Wye Start, Delta Run, H= 575 volts, I2= 200 volts, 6 lead DOL or Part Winding Start. See notes on pages 8 and 9, and inside back flap.

Custom TEFC motors available through 900 Hp; Open and WPII motors through 1250 Hp. Contact your Baldor Sales Representative.

SHADED RATINGS ARE CAST IRON FRAMES

General
InformationSingle Phase
Motors

General Purpose

Premium Efficient
Super-E® MotorsC-Face
Industrial MotorsSevere Duty
MotorsWashdown Duty
MotorsExplosion Proof
Motors

Pump Motors

Commercial
Motors

Three Phase - ODP continued...

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number		List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
125	3560	404TS	EM2554T-4	†*	7082	D3	4482M	33.60	1074	95.8	G2	135.0
125	1775	405T	EM2559T-4	†*	7320	D3	4488M	34.47	1238	95.4	G2	143.0
125	1190	445T	EM2557T-4	†*	9028	D3	1884M	39.62	1573	95.8	G2	146.0
150	3550	405TS	EM2556T-4	†*	8736	D3	4472M	29.85	828	95.4	G2	161.0
150	1780	444T	EM2558T-4	†*	8131	D3	1868M	39.62	1550	95.8	G2	170.0
150	1190	445T	EM2560T-4	†*	10632	D3	1896M	39.62	2000	95.8	G2	176.0
200	3560	444TS	EM2562T-4	†*	9900	D3	1860M	35.88	1428	95.4	G2	217.0
200	1780	445T	EM2563T-4	†*	10161	D3	1880M	39.62	1496	95.8	G2	226.0
200	1190	447T	EM2564T-4	†*	13977	D3	18112M	48.12	1837	95.8	G2	234.0
250	1780	445T	EM2566T-4	†*	11489	D3	1892M	39.62	1592	95.8	G2	280.0
300	1780	445T	EM2569T-4	†*	15059	D3	18104M	39.62	1659	95.8	G2	335.0

NOTE: Voltage @ 60 Hz: G2= 460, 6 lead, DOL or Wye Start, Delta Run.
See notes on pages 8 and 9, and inside back flap.

SHADED RATINGS ARE CAST IRON FRAMES

Three Phase - F2 Mount, ODP



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number		List Price	Mult. Sym.	Type	“C” Dimension	Ap’x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
1	1740	145T	EFM3116T	†*	420	L1	3520M	11.12	36	85.5	E	1.4
1 1/2	1740	145T	EFM3154T	†*	440	L1	3526M	12.12	41	86.5	E	2.1
2	1725	145T	EFM3157T	†*	471	L1	3532M	13.00	49	86.5	E	2.7
2	1725	145T	EFM3157T-8	†*	471	L1	3532M	13.00	46	86.5	I	6.1
3	1760	182T	EFM3211T	†*	508	L1	3634M	15.00	70	90.2	E	4.0
3	1760	182T	EFM3211T-8	†*	508	L1	3628M	15.00	71	89.5	I	9.3
5	1750	184T	EFM3218T	†*	557	L1	3639M	16.50	86	90.2	E1	6.6
5	1750	184T	EFM3218T-8	†*	557	L1	3632M	15.00	84	89.5	I	15.0
7 1/2	1760	213T	EFM3311T	†*	819	L1	3732M	16.32	118	91.7	E1	9.7
7 1/2	1770	213T	EFM3311T-8	†*	819	L1	3732M	16.32	116	91.7	I	22.3
10	1770	215T	EFM3313T	†*	991	L1	3739M	17.45	148	91.7	E1	12.5
10	1760	215T	EFM3313T-8	†*	991	L1	3739M	17.45	148	91.7	I	29.5
15	1765	254T	EFM2513T	†*	1405	L1	3938M	21.69	234	93.0	E1	17.7
15	1765	254T	EFM2513T-8	†*	1405	L1	3938M	21.69	234	93.0	I	40.7
20	1765	256T	EFM2515T	†*	1764	L1	3944M	21.69	237	93.0	E1	23.5
25	1770	284T	EFM2531T	†*	2150	L1	4046M	23.81	332	94.1	E1	30.0
30	1770	286T	EFM2535T	†*	2352	L1	4052M	25.06	372	94.1	E1	35.0
40	1775	324T	EFM2539T	†*	3068	L1	4250M	26.69	477	94.5	E1	46.0
50	1775	326T	EFM2543T	†*	3386	L1	4256M	27.69	472	94.5	E1	57.0
60	1775	364T	EFM2547T	†*	4263	L1	4278M	30.69	782	95.0	E1	68.0

NOTE: Voltage @ 60 Hz: E = 208-230/460 volts, E1= 230/460 usable at 208 volts, I= 200 volts.
See notes on pages 8 and 9, and inside back flap.

Three Phase - Washdown Duty - TENV and TEFC

1 thru 20 Hp

NEMA 143TC thru 256TC



Applications: Food processing and other applications that regularly expose the motor to high pressure wash down.

Features: 300 series stainless steel hardware, moisture sealant on bolt heads, between frame and endplates. Neoprene gaskets. Double sealed bearings. Forsheda® running contact v-ring slinger. Stainless steel shaft. Electrostatically applied epoxy finish. Class F insulation. Tropicalized. ISR magnet wire, NEMA Premium® efficiency and 3 year warranty.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
Three Phase, Rigid Base											
1	1740	143T	EWDM3546T	†*	L1	3526M	12.12	42	86.5	E	1.4
1 1/2	1740	145T	EWDM3554T	†*	L1	3532M	13.00	47	86.5	E1	2.0
2	1725	145T	EWDM3558T	†*	L1	3532M	14.18	49	86.5	E	2.7
3	1760	182T	EWDM3611T	†*	L1	3628M	16.54	71	89.5	E	4.1
5	1750	184T	EWDM3615T	†*	L1	3643M	18.03	92	90.2	E1	6.5
7 1/2	1770	213T	EWDM3710T	†*	L1	3736M	19.04	147	91.7	E1	9.4
10	1760	215T	EWDM3714T	†*	L1	3752M	20.54	160	92.4	E1	12.5
Three Phase, C-Face with Base											
1	3450	56C	CEWDM3545	†*	K	3516M	12.24	32	84.0	F	1.4
1	1750	56C	CEWDM3546	†*	K	3532M	12.94	47	87.5	F	1.4
1	1740	143TC	CEWDM3546T	†*	L1	3526M	12.13	43	86.5	E	1.4
1	1150	56C	CEWDM3556	†*	K	3528M	13.24	44	82.5	E	1.8
1 1/2	3500	56C	CEWDM3550	†*	K	3528M	12.07	42	85.5	E	2.0
1 1/2	1740	145TC	CEWDM3554T	†*	L1	3532M	13.00	48	86.5	E1	2.0
2	3450	56HCY	CEWDM3555	†*	K	3532M	14.12	51	86.5	E	2.5
2	3450	145TC	CEWDM3555T	†*	L1	3532M	14.17	51	86.5	E	2.5
2	1725	145TC	CEWDM3558T	†*	L1	3532M	14.17	50	86.5	E	2.7
3	3475	145TC	CEWDM3559T	†*	L1	3540M	15.55	59	86.5	F	3.6
3	1760	182TC	CEWDM3611T	†*	L1	3628M	16.54	75	89.5	E	4.1
5	3500	184TC	CEWDM3613T	†*	L1	3634M	16.54	81	90.2	E	5.6
5	1750	184TC	CEWDM3615T	†*	L1	3643M	18.04	99	90.2	E1	6.5
7 1/2	3500	213TC	CEWDM3709T	†*	L1	3738M	19.78	142	91.0	E	8.6
7 1/2	1770	213TC	CEWDM3710T	†*	L1	3736M	19.78	150	91.7	E1	9.4
10	3500	215TC	CEWDM3711T	†*	L1	3744M	19.78	154	91.7	E1	11.2
10	1770	215TC	CEWDM3714T	†*	L1	3752M	21.27	162	92.4	F	12.5
15	3500	215TC	CEWDM3713T	†*	L1	3752M	21.26	174	91.0	F	16.6
15	3500	254TC	CEWDM23994T	†*	L1	3752M	21.94	158	91.0	F	16.6
15	1765	254TC	CEWDM23933T	†*	L1	3942M	23.57	226	92.4	F	18.0
20	3520	256TC	CEWDM41906T	†*	L1	3940M	23.57	242	92.4	F	22.5
20	1765	256TC	CEWDM23934T	†*	L1	3952M	23.57	280	93.0	F	24.0

NOTE: Voltage @ 60 Hz: E = 208-230/460 volts, E1=230/460 usable at 208 volts, F = 230/460 volts.
See notes on pages 8 and 9, and inside back flap.

General
Information

Single Phase
Motors

General Purpose

Premium Efficient
Super-E® Motors

C-Face
Industrial Motors

Severe Duty
Motors

Washdown Duty
Motors

Explosion Proof
Motors

Pump Motors

Commercial
Motors

BALDOR**NEMA Premium**INVERTER READY
PER NEMA STD M01
PART 31.4.4.2**Premium Efficient Super-E® Motors****Three Phase - SSE
Super-E - All Stainless
Steel - TEFC and TENV****1/2 thru 10 Hp****NEMA 56C thru 215TC****Applications:** Food processing, packaging, outdoor and highly corrosive environments.**Features:** All external surfaces 300 series stainless steel: motor frame, endplates, conduit box, shaft and base. Moisture resistant 200°C ISR® magnet wire. Hydrophobic aspiration system eliminates condensation from inside the motor. Endplate rabbets have O-ring seals to band. Conduit box is welded to the motor frame. Patented bearing seal to protect motor bearings, inside and out. Epoxy encapsulation prevents any moisture from reaching the windings as well as potting the passage between the band and the conduit box. Nameplate information is laser etched on the band. Catalog numbers also etched on both sides. Especially effective in highly corrosive environments where paint or other finishes do not hold up. NEMA Premium® efficiency and 3-year warranty.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
C-Face with Base											
1/2	3450	56C	CSSEWDM3537	†*	K	3516M	11.71	38	84.0	E	0.7
1/2	1750	56C	CSSEWDM3538	†*	K	3520M	11.71	41	81.5	E	0.8
3/4	3450	56C	CSSEWDM3541	†*	K	3520M	11.71	45	86.5	E	1.0
3/4	1750	56C	CSSEWDM3542	†*	K	3526M	12.71	49	84.0	E	1.0
1	3450	56C	CSSEWDM3545	†*	K	3524M	12.71	48	82.5	E	1.4
1	1740	56C	CSSEWDM3546	†*	K	3526M	12.71	51	86.5	E	1.4
1	1740	143TC	CSSEWDM3546T	†*	L1	3526M	12.77	51	86.5	E	1.4
1 1/2	3500	56C	CSSEWDM3550	†*	K	3532M	13.59	53	85.5	E	1.8
1 1/2	3500	145TC	CSSEWDM3550T	†*	L1	3532M	13.65	53	85.5	E	1.8
1 1/2	1740	56C	CSSEWDM3554	†*	K	3532M	14.77	53	86.5	E	2.1
1 1/2	1740	145TC	CSSEWDM3554T	†*	L1	3532M	14.83	53	86.5	E	2.1
2	3500	145TC	CSSEWDM3555T	†*	L1	3535M	14.83	55	86.5	E	2.5
2	1740	56C	CSSEWDM3558	†*	K	3532M	14.77	61	85.5	E	2.8
2	1740	145TC	CSSEWDM3558T	†*	L1	3532M	14.83	61	85.5	E	2.8
3	3470	145TC	CSSEWDM3559T	†*	L1	3546M	16.21	55	86.5	E	3.6
3	1760	182TC	CSSEWDM3611T	†*	L1	3630M	17.75	94	89.5	F	4.0
5	3500	184TC	CSSEWDM3613T	†*	L1	3634M	17.75	99	89.5	F	5.6
5	1750	184TC	CSSEWDM3615T	†*	L1	3646M	19.25	115	90.2	E1	6.4
7 1/2	3500	213TC	CSSEWDM3709T	†*	L1	3735M	20.43	124	91.0	F	8.3
7 1/2	1770	213TC	CSSEWDM3710T	†*	L1	3744M	21.62	143	91.7	E1	10.0
10	3500	215TC	CSSEWDM3711T	†*	L1	3744M	21.62	185	91.7	E	10.6
10	1760	215TC	CSSEWDM3714T	†*	L1	3750M	23.06	158	91.7	E1	12.6
C-Face less Base											
1/2	3450	56C	VSSEWDM3537	†*	K	3516M	11.71	38	84.0	E	0.7
1/2	1750	56C	VSSEWDM3538	†*	K	3520M	11.71	41	81.5	E	0.8
3/4	3450	56C	VSSEWDM3541	†*	K	3520M	11.71	45	86.5	E	1.0
3/4	1750	56C	VSSEWDM3542	†*	K	3526M	12.71	49	84.0	E	1.0
1	3450	56C	VSSEWDM3545	†*	K	3524M	12.71	48	82.5	E	1.4
1	1740	56C	VSSEWDM3546	†*	K	3526M	12.71	51	82.5	E	1.4
1	1740	143TC	VSSEWDM3546T	†*	L1	3526M	12.77	51	82.5	E	1.4
1 1/2	3500	56C	VSSEWDM3550	†*	K	3532M	13.59	53	85.5	E	1.8
1 1/2	3450	145TC	VSSEWDM3550T	†*	L1	3532M	13.65	53	85.5	E	1.8
1 1/2	1740	56C	VSSEWDM3554	†*	K	3532M	14.77	53	84.0	E	2.1
1 1/2	1740	145TC	VSSEWDM3554T	†*	L1	3532M	14.83	53	84.0	E	2.1
2	3500	145TC	VSSEWDM3555T	†*	L1	3535M	14.83	54	86.5	E	2.5
2	1740	56C	VSSEWDM3558	†*	K	3532M	14.77	61	85.5	E	2.8
2	1740	145TC	VSSEWDM3558T	†*	L1	3532M	14.83	61	85.5	E	2.8

NOTE: Voltage @ 60 Hz: E = 208-230/460 volts, E1=230/460 usable at 208 volts, F = 230/460 volts. See notes on pages 8 and 9, and inside back flap.
 CSSEWDM3546, CSSEWDM3546T, CSSEWDM3554, CSSEWDM3554T CSSEWDM3558, CSSEWDM3558T, VSSEWDM3546, VSSEWDM3546T, VSSEWDM3554, VSSEWDM3554T and VSSEWDM3558, VSSEWDM3558T motors currently EPA efficiencies or better. NEMA Premium® efficient electrical designs to be released 3rd quarter 2006. Red catalog number = New item

Three Phase - Close-Coupled Pump - TEFC and ODP

1 thru 50 Hp

NEMA 143JM thru 324JM



Applications: Energy saving close coupled pump applications where continuous or frequent duty is required. The motors are suitable for use with inverter drives for variable torque and 20:1 constant torque.

Features: Class F insulation, 1.15-service factor, low-loss electrical grade lamination steel, ISR® magnet wire. Inverter Ready per NEMA standard MG 1 Part 31.4.4.2. NEMA Premium® efficiency and 3 year warranty.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
Totally Enclosed Fan Cooled (TEFC), C-Face with Base											
1	1750	143JM	EJMM3546T	†*	561	L1	3524M	15.43	44	86.5	1.4
1 1/2	3450	143JM	EJMM3550T	†*	557	L1	3524M	15.43	47	85.5	2.0
1 1/2	1740	145JM	EJMM3554T	†*	597	L1	3528M	15.43	49	86.5	2.0
2	3450	145JM	EJMM3555T	†*	598	L1	3532M	16.31	54	86.5	2.5
2	1725	145JM	EJMM3558T	†*	610	L1	3532M	16.31	52	86.5	2.7
3	3450	145JM	EJMM3559T	†*	642	L1	3540M	17.68	61	87.5	3.5
3	3450	182JM	EJMM3610T	†*	643	L1	3540M	18.19	64	87.5	3.5
3	1760	182JM	EJMM3611T	†*	708	L1	3628M	18.06	75	89.5	4.1
5	3500	184JM	EJMM3613T	†*	763	L1	3634M	18.06	81	90.2	5.6
5	1750	184JM	EJMM3615T	†*	710	L1	3643M	19.56	95	90.2	6.5
7 1/2	3525	213JM	EJMM3709T	†*	1000	L1	3733M	19.81	142	91.0	8.9
7 1/2	1770	213JM	EJMM3710T	†*	1081	L1	3736M	20.94	160	91.7	9.4
10	3500	215JM	EJMM3711T	†*	1149	L1	3744M	20.94	154	91.7	11.2
10	1760	215JM	EJMM3714T	†*	1271	L1	3752M	22.44	158	92.4	12.5
15	3525	254JM	EJMM2394T	†*	2099	L1	0934M	25.16	248	91.7	17.2
15	1765	254JM	EJMM2333T	†*	2081	L1	0936M	25.16	255	92.4	18.5
20	3520	256JM	EJMM4106T	†*	2312	L1	0940M	25.16	282	92.4	22.5
20	1765	256JM	EJMM2334T	†*	2348	L1	0952M	25.16	303	93.0	24.0
25	3530	284JM	EJMM4107T	†*	2687	L1	0950M	26.84	383	93.0	28.0
25	1770	284JM	EJMM4103T	†*	2783	L1	1046M	28.64	418	93.6	30.0
30	3530	286JM	EJMM4108T	†*	3696	L1	1042M	28.64	382	93.0	33.0
30	1770	286JM	EJMM4104T	†*	3298	L1	1060M	28.64	451	94.1	36.0
40	3540	324JM	EJMM4109T	†*	4186	L1	1240M	30.53	517	93.6	44.0
40	1775	324JM	EJMM4110T	†*	4288	L1	1260M	30.53	587	94.5	46.0
50	3540	326JM	EJMM4114T	†*	5065	L1	1252M	30.53	575	94.1	54.0
50	1775	326JM	EJMM4115T	†*	5154	L1	1266M	30.53	633	94.5	57.0
Totally Enclosed Fan Cooled (TEFC), C-Face less base											
1	1750	143JM	VEJMM3546T	†*	468	L1	3524M	15.43	41	86.5	1.4
1 1/2	1750	145JM	VEJMM3554T	†*	494	L1	3528M	15.43	46	87.5	2.1
2	1750	145JM	VEJMM3558T	†*	592	L1	3535M	16.31	52	86.5	2.5
3	1760	182JM	VEJMM3611T	†*	675	L1	3628M	18.05	73	89.5	4.1
5	1750	184JM	VEJMM3615T	†*	779	L1	3640M	19.70	90	90.2	6.5
7 1/2	1760	213JM	VEJMM3710T	†*	1142	L1	3736M	20.89	128	91.7	9.4
10	1760	215JM	VEJMM3714T	†*	1322	L1	3752M	22.37	154	92.4	12.5
Open Drip Proof (ODP), C-Face with Base											
1	1740	143JM	EJMM3116T	†*	479	L1	3520M	13.75	40	85.5	1.4
1 1/2	1740	145JM	EJMM3154T	†*	518	L1	3526M	14.25	46	86.5	2.1
2	3450	145JM	EJMM3155T	†*	573	L1	3524M	13.75	66	86.5	2.5
2	1725	145JM	EJMM3157T	†*	568	L1	3532M	15.13	51	86.5	2.7
3	3450	145JM	EJMM3158T	†*	644	L1	3535M	15.13	54	87.5	3.7
3	1760	182JM	EJMM3211T	†*	628	L1	3634M	16.50	72	90.2	4.0

NOTE: Voltage @ 60 Hz: E = 208-230/460 volts, E1 = 230/460 usable at 208 volts, F = 230/460 volt, H = 575.
See notes on pages 8 and 9, and inside back flap.

SHADED RATINGS ARE CAST IRON FRAMES

General
InformationSingle Phase
Motors

General Purpose

Premium Efficient
Super-E® MotorsC-Face
Industrial MotorsSevere Duty
MotorsWashdown Duty
MotorsExplosion Proof
Motors

Pump Motors

Commercial
Motors

Three Phase - Close-Coupled Pump ODP continued...

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number		List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
Open Drip Proof (ODP), C-Face with Base												
5	3500	182JM	EJMM3212T	†*	768	L1	3634M	16.50	79	91.0	E	5.6
5	1750	184JM	EJMM3218T	†*	710	L1	3639M	18.00	78	90.2	E1	6.6
7 1/2	3500	184JM	EJMM3219T	†*	908	L1	3646M	18.00	96	90.2	E	8.4
7 1/2	1760	213JM	EJMM3311T	†*	1066	L1	3732M	18.19	124	91.7	E1	9.7
10	3500	213JM	EJMM3312T	†*	1170	L1	3736M	19.31	139	91.7	E1	11.5
10	1770	215JM	EJMM3313T	†*	1153	L1	3739M	19.31	163	91.7	F	12.5
15	3525	215JM	EJMM3314T	†*	1506	L1	3744M	19.31	165	91.7	E1	17.0
15	1765	254JM	EJMM2513T	†*	1706	L1	3938M	23.19	234	93.0	E1	17.7
20	3510	254JM	EJMM2514T	†*	1896	L1	3932M	23.19	186	92.4	E1	22.5
20	1765	256JM	EJMM2515T	†*	2043	L1	3944M	23.19	237	93.0	E1	23.5
25	3525	256JM	EJMM2516T	†*	2248	L1	3940M	23.19	242	93.0	E1	28.0
30	3530	284JM	EJMM2534T	†*	2858	L1	4040M	24.69	330	93.6	F	34.0
40	3540	286JM	EJMM2538T	†*	3441	L1	4054M	25.94	377	94.1	F	45.0
50	3530	324JM	EJMM2542T	†*	3880	L1	4058M	27.44	447	94.1	F	55.0
Open Drip Proof (ODP), C-Face less Base												
1	1750	143JM	VEJMM3116T	†*	479	L1	3524M	15.43	43	85.5	E	1.4
1 1/2	1740	145JM	VEJMM3154T	†*	514	L1	3530M	16.31	52	86.5	E	2.0
2	1725	145JM	VEJMM3157T	†*	563	L1	3532M	16.31	53	86.5	E	2.7
3	1760	182JM	VEJMM3211T	†*	617	L1	3634M	18.06	74	90.2	E	4.0
5	1750	184JM	VEJMM3218T	†*	699	L1	3639M	18.06	79	90.2	E1	6.6
7 1/2	1770	213JM	VEJMM3311T	†*	1055	L1	3732M	19.78	152	91.7	E1	9.7
10	1760	215JM	VEJMM3313T	†*	1142	L1	3752M	22.41	158	92.4	E	12.5

NOTE: Voltage @ 60 Hz: E1= 230/460 usable at 208 volts, F = 230/460 volt, H= 575.
See notes on pages 8 and 9, and inside back flap.

Single Phase - TEFC, Rigid Base

1/4 thru 5 Hp

NEMA 48 thru 184T



Applications: Energy saving applications where continuous or frequent duty is required.

Features: Low-loss electrical grade lamination steel, heavy gauge steel frames, three year warranty.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number		List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
1/4	1745	48	EL3403	†*	284	K	3414LC	10.48	24	74.0	B	1.3
1/3	1740	56	EL3501	†*	314	K	3418LC	11.97	28	77.0	B	1.6
1/2	1745	56	EL3504	†*	370	K	3424LC	11.97	32	78.5	B	2.3
3/4	1755	56	EL3507	†*	451	K	3528LC	13.25	44	82.5	B	3.2
1	1760	56H	EL3510	†*	518	K	3532LC	13.81	47	82.5	B	4.3
1 1/2	1760	56H	EL3514	†*	591	K	3540LC	15.18	57	84.0	B	6.3
	1760	145T	EL3514T	†*	591	L1	3540LC	15.55	57	84.0	B	6.3
2	1740	184T	EL3605T	†*	808	L1	3623LC	16.56	78	82.5	B	8.8
3	1755	184T	EL3609T	†*	943	L1	3640LC	18.06	93	85.5	C	11.8
5	1735	184T	EL3612T	†♦	1126	L1	3646LC	18.06	99	86.5	C	19.1

NOTE: Voltage @ 60 Hz: B= 115/230, C= 230. See notes on pages 8 and 9, and inside back flap.

Single Phase - ODP, Rigid Base

1/4 thru 5 Hp

NEMA 48 thru 184T



Applications: Energy saving applications where continuous or frequent duty is required.

Features: Low-loss electrical grade lamination steel, heavy gauge steel frames, three year warranty.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	“C” Dimension	Ap’x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
1/4	1745	48	EL1203†*	246	K	3414LC	9.76	23	74.0	B	1.3
1/3	1740	56	EL1301†*	292	K	3418LC	10.13	26	77.0	B	1.6
1/2	1745	56	EL1304†*	334	K	3424LC	11.00	31	78.5	B	2.3
3/4	1755	56	EL1307†*	412	K	3524LC	12.06	39	84.0	B	3.3
1	1755	56	EL1310†*	448	K	3528LC	12.94	43	84.0	B	4.3
1 1/2	1755	56H	EL1319†*	588	K	3535LC	11.75	50	85.5	B	6.3
1 1/2	1755	145T	EL1319T†*	610	L1	3535LC	13.00	49	85.5	B	6.3
2	1740	182T	EL1405T†*	689	L1	3623LC	15.87	65	82.5	B	8.8
3	1750	184T	EL1408T†*	720	L1	3634LC	16.50	81	85.5	C	11.2
5	1735	184T	EL1410T†*	823	L1	3646LC	18.00	100	86.5	C	19.1

NOTE: Voltage @ 60 Hz: B= 115/230, C= 230. See notes on pages 8 and 9, and inside back flap.

Single Phase - C-Face - TEFC

1/6 thru 10 Hp

NEMA 56C thru 215TC

Applications: Pumps, fans, conveyors, machine tools, gear reducers and other applications requiring a NEMA C-face motor.

Features: Pressure cast aluminum end plates with ribbed design for rigidity. Ball bearings with a locked drive end bearing, heavy gauge steel frame, and gasketed conduit box and capacitor cover.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
NEMA C-Face less Base, No Drip Cover											
1/6	1725	56C	KL3400	246	K	3408L	11.35	18	49.0	B1	1.9
1/6	1140	56C	KL3401	343	K	3418L	11.35	23	47.0	B1	2.3
1/4	1725	56C	KL3403	253	K	3411L	11.35	20	55.0	B1	2.5
1/3	3450	56C	KL3405	232	K	3413L	11.35	21	55.0	B1	3.0
1/3	1725	56C	VL3501	259	K	3414L	11.35	22	60.0	B1	3.0
1/2	3450	56C	VL3503	261	K	3413L	11.35	21	66.0	B1	3.5
1/2	1725	56C	VL3504	302	K	3421L	11.97	27	68.0	B1	3.7
1/2	1140	56C	VL3505	561	K	3528L	13.25	41	59.0	B1	4.0
3/4	3450	56C	VL3506	290	K	3424L	11.97	29	66.0	B1	4.8
3/4	3450	56C	VL3506A	321	K	3424L	11.97	32	66.0	B	4.8
3/4	1725	56C	VL3507	347	K	3428LC	12.47	34	72.0	B1	4.2
3/4	1140	56C	VL3508	646	K	3528LC	13.25	44	68.0	B1	5.0
1	3450	56C	VL3509	335	K	3520L	12.25	36	68.0	B1	5.9
1	3450	56C	VL3509A	366	K	3524L	13.25	40	66.0	B	6.0
1	1725	56C	VL3510	398	K	3524L	13.25	38	67.0	B1	6.4
1	1725	143TC	VL3510T	398	L1	3524L	13.31	39	67.0	B1	6.4
1 1/2	3450	56C	VL3513	437	K	3524L	13.25	40	70.0	B1	8.0
1 1/2	3450	143TC	VL3513T	463	L1	3524L	13.31	41	70.0	B1	8.0
1 1/2	1725	56C	VL3514	450	K	3532LC	14.12	47	75.5	B1	8.0
1 1/2	1725	145TC	VL3514T	456	L1	3532LC	14.18	47	75.5	B1	8.0
2	3450	56C	VL3515	559	K	3535L	14.12	51	74.0	B1	11.5
2	3450	145TC	VL3515T	569	L1	3535L	14.19	50	74.0	B1	11.5
2	1725	182TC	VL3605T	808	L1	3628L	16.55	66	75.5	B1	11.5
2	1725	184C	VL3605	897	L1	3628L	15.68	65	75.5	B1	11.5
3	3450	182TC	VL3606T	901	L1	3634L	16.55	74	76.0	B1	14.5
3	1725	184TC	VL3609T	953	L1	3634LC	16.55	79	78.0	B1	14.0
NEMA C-Face with Base, No Drip Cover											
1/3	1725	56C	CL3501	264	K	3414L	11.35	23	60.0	B1	3.0
1/2	3450	56C	CL3503	265	K	3413L	11.35	24	66.0	B1	3.5
1/2	1725	56C	CL3504	308	K	3421L	11.97	28	68.0	B1	3.7
3/4	3450	56C	CL3506	295	K	3424L	11.97	29	66.0	B1	4.8
3/4	1725	56C	CL3507	369	K	3428LC	12.50	35	72.0	B1	4.2
1	3450	56C	CL3509	340	K	3520L	12.25	35	68.0	B1	5.9
1	1725	56C	CL3510	416	K	3524L	13.25	40	67.0	B1	6.4
1 1/2	3450	56C	CL3513	441	K	3528L	13.25	44	70.0	B1	7.5
1 1/2	1725	56C	CL3514	494	K	3532LC	14.12	49	75.5	B1	8.0
2	3450	56C	CL3515	569	K	3535L	14.12	52	74.0	B1	11.5
2	3450	145TC	CL3515T	573	L1	3535L	14.19	51	74.0	B1	11.5
2	1725	145TC	CL3516TM	733	L1	3535LC	14.19	49	78.0	C	8.3
3	1725	184TC	CL3619TM	955	L1	3634LC	16.54	84	81.5	C	13.2
5	3450	184TC	CL3608TM	1034	L1	3640LC	18.05	91	83.0	C	19.5
5	1725	184TC	CL3612TM	1000	L1	3646LC	18.05	101	80.0	C	23.0
10	3450	215TC	CL3711T	1683	L1	3744LC	19.75	167	82.0	C	40.0
10	1725	215TC	CL3712T	1702	L1	3748LC	20.50	174	86.5	C	38.0

NOTE: Voltage @ 60 Hz: B= 115/230, B1= 115/230 volts usable at 208 volts, C= 230.
See notes on pages 8 and 9, and inside back flap.

Single Phase - C-Face - ODP

1/6 thru 5 Hp

NEMA 56C thru 184TC



Applications: Pumps, fans, conveyors, machine tools, gear reducers and other applications requiring a NEMA C-face motor.

Features: Pressure cast aluminum end plates with ribbed design for rigidity. Ball bearings with a locked drive end bearing, heavy gauge steel frame, and gasketed conduit box and capacitor cover

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
NEMA C-Face less Base with Drip Cover											
1/6	1725	56C	KL1200	208	K	3408L	11.22	18	49.0	B1	1.9
1/4	1725	56C	KL1203	211	K	3411L	11.22	20	55.0	B1	2.5
1/3	3450	56C	KL1205	200	K	3413L	11.22	21	55.0	B1	3.0
1/3	3450	56C	KL1205A	206	K	3413L	11.35	21	55.0	B1	3.0
1/3	1725	56C	VL1301	243	K	3414L	11.22	22	60.0	B1	3.0
1/2	3450	56C	VL1303	220	K	3413L	11.22	21	66.0	B1	3.5
1/2	3450	56C	VL1303A	234	K	3420L	12.00	26	66.0	B	3.7
1/2	1725	56C	VL1304	267	K	3418L	11.47	24	62.0	B1	4.2
1/2	1140	56C	VL1305	524	K	3524L	13.24	39	62.0	B1	4.1
3/4	3450	56C	VL1306	265	K	3420L	12.85	27	72.0	B1	4.7
3/4	3450	56C	VL1306A	279	K	3424L	12.88	30	69.0	B	5.5
3/4	1725	56C	VL1307	327	K	3428L	13.22	33	68.0	B1	5.1
3/4	1725	56C	VL1307A	381	K	3520L	11.75	34	63.0	B	5.4
3/4	1140	56C	VL1308	588	K	3528LC	13.24	43	68.0	B1	5.0
1	3450	56C	VL1309	278	K	3428L	12.72	32	65.0	B1	7.5
1	3450	56C	VL1309A	295	K	3428L	13.40	32	65.0	B	7.0
1	1725	56C	VL1310	356	K	3520L	12.24	34	66.0	B1	6.7
1	1725	56C	VL1318	388	K	3528L	13.24	42	67.0	B1	6.2
1	1725	56C	VL1318A	405	K	3528L	12.75	41	67.0	B	6.2
1 1/2	3450	56C	VL1313	385	K	3428LC	12.73	32	80.0	B1	6.4
1 1/2	3450	56C	VL1313A	402	K	3432LC	13.01	37	78.5	B	6.5
1 1/2	1725	56C	VL1319	456	K	3528L	13.24	42	68.0	B1	9.0
1 1/2	1725	145TC	VL1321T	515	L1	3535L	14.18	49	70.0	B1	10.5
2	3450	56C	VL1317	507	K	3528L	13.24	43	70.0	B1	13.0
2	3450	56C	VL1317A	521	K	3528L	12.75	41	70.0	B1	13.0
2	1725	145TC	VL1322T	525	L1	3532LC	14.18	47	75.5	B	10.2
3	3450	56C	VL1323A	539	K	3535LC	13.63	52	82.5	D1	13.0
3	3450	182TC	VL1406T	638	L1	3532LC	15.18	59	75.5	B1	13.6
3	1725	184TC	VL1408T	647	L1	3634LC	16.55	80	78.0	B1	16.0
NEMA C-Face with Base, No Drip Cover											
1/3	1725	56C	CL1301	257	K	3414L	10.10	23	60.0	B1	3.0
1/2	3450	56C	CL1303	228	K	3413L	10.06	24	66.0	B1	3.5
1/2	1725	56C	CL1304	292	K	3418L	10.35	25	62.0	B1	4.2
3/4	1725	56C	CL1307	335	K	3428L	12.06	34	68.0	B1	5.1
1	1725	56C	CL1310	385	K	3520L	11.06	34	66.0	B1	6.7
3	1725	184TC	CL1408TM	706	L1	3634LC	15.00	81	78.0	B	16.0
5	1725	184TC	CL1410TM	850	L1	3640LC	16.50	88	82.5	D1	23.0
5	1725	184TC	CL1430TM	850	L1	3634LC	16.55	84	80.0	D1	24.0

NOTE: Voltage @ 60 Hz: B= 115/230, B1= 115/230 volts usable at 208 volts, D1= 230 volts usable at 208 volts.
See notes on pages 8 and 9, and inside back flap.

General
Information

Single Phase
Motors

General Purpose

Premium Efficient
Super-E® Motors

C-Face
Industrial Motors

Severe Duty
Motors

Washdown Duty
Motors

Explosion Proof
Motors

Pump Motors

Commercial
Motors

Three Phase - C-Face - TEFC and TENV, Less Base

1/4 thru 30 Hp

NEMA 56C thru 286TC

Applications: Pumps, fans, conveyors, machine tools, gear reducers and other applications requiring a NEMA C-face motor.

Features: Ball bearings with a locked drive end bearing and heavy gauge steel or cast iron frame. VEM Super-E motors have NEMA Premium® efficiency and 3 year warranty.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
1/4	1725	56C	KM3454	229	K	3410M	11.35	19	64.0	E1	0.7
1/4	1725	56C	KNM3454	241	K	3410M	10.25	19	64.0	E	0.7
1/4	1140	56C	VM3531	350	K	3411M	11.35	19	68.0	E1	0.7
1/3	3450	56C	KM3457	233	K	3410M	10.25	20	72.0	E1	0.7
1/3	1725	56C	KNM3534	267	K	3416M	10.25	22	70.0	E	0.7
1/3	1725	56C	VM3534	249	LS	3413M	11.35	22	68.0	E1	0.8
1/3	1140	56C	VM3535	393	K	3414M	11.35	21	70.0	E1	0.9
1/2	3450	56C	VM3537	268	K	3410M	11.35	19	68.0	E1	1.0
1/2	1750	56C	VEM3538	411	K	3516M	12.24	31	82.5	E	0.8
1/2	1725	56C	VM3538	286	LS	3416M	11.35	23	74.0	E1	1.0
1/2	1725	56C	VNM3538	309	K	3416M	10.25	22	74.0	E	1.0
1/2	1140	56C	VM3539	422	K	3418M	11.35	23	72.0	E1	1.2
3/4	3450	56C	VM3541	294	K	3413M	11.35	21	74.0	E1	1.3
3/4	1740	56C	VEM3542	437	K	3518M	12.24	34	82.5	E	1.1
3/4	1725	56C	VM3542	304	LS	3420M	11.35	25	75.5	E	1.5
3/4	1725	56C	VNM3542	331	K	3428M	11.75	30	75.0	E1	1.3
3/4	1140	56C	VM3543	431	K	3428M	12.85	32	77.0	E	1.5
3/4	1140	143TC	VM3543T	431	L1	3428M	13.41	33	77.0	E	1.5
1	3450	56C	VEM3545	448	K	3516M	12.24	32	84.0	F	1.4
1	3450	56C	VM3545	343	K	3416M	11.35	23	75.5	E1	1.8
1	1750	56C	VEM3546	449	K	3524M	13.24	39	86.5	E	1.4
1	1725	56C	VM3546	317	LS	3426M	12.00	30	78.5	E	1.7
1	1750	56C	VEM3581	656	K	0524M	12.49	54	86.5	E	1.4
1	1750	143TC	VEM3546T	458	L1	3524M	13.31	42	86.5	E	1.4
1	1725	143TC	VM3546T	357	LS	3426M	12.06	31	78.5	E	1.7
1	1750	143TC	VEM3581T	656	L1	0524M	13.04	55	86.5	E	1.4
1	1725	184C	VM3603	594	L1	3516M	12.31	30	77.0	E	1.7
1	1150	56C	VEM3556	584	K	3528M	13.24	43	82.5	E	1.8
1	1140	56C	VM3556	438	K	3524M	13.23	37	75.5	E	1.7
1	1140	145TC	VM3556T	479	L1	3524M	13.31	40	75.5	E	1.7
1 1/2	3450	56C	VEM3550	474	K	3524M	13.24	42	85.5	E	2.0
1 1/2	3450	56C	VM3550	373	K	3424M	11.97	28	80.0	E	2.3
1 1/2	3450	143TC	VM3550T	401	L1	3424M	12.04	30	80.0	E	2.3
1 1/2	1740	145TC	VEM3554T	478	L1	3528M	13.31	45	86.5	F	2.0
1 1/2	1740	56C	VEM3554	499	K	3528M	13.24	45	86.5	F	2.0
1 1/2	1725	56C	VM3554	356	LS	3520M	12.23	34	78.5	E	2.5
1 1/2	1725	145TC	VM3554T	364	LS	3520M	12.31	34	78.5	E	2.5
1 1/2	1740	145TC	VEM3584T	658	L1	0528M	13.04	61	86.5	E	2.0
1 1/2	1725	184C	VM3606	631	L1	3520M	12.31	34	78.5	E	2.5
1 1/2	1140	56C	VM3557	500	K	3528M	13.23	40	75.5	F	2.5
1 1/2	1140	145TC	VM3557T	500	L1	3528M	13.31	42	75.5	F	2.5
1 1/2	1140	184C	VM3607	708	L1	3528M	13.31	39	75.5	F	2.5

NOTE: Voltage @ 60 Hz: E = 208-230/460, E1=230/460 usable at 208 volts, F=230/460 volts.
See notes on pages 8 and 9, and inside back flap. Red catalog number = New item.

SHADED RATINGS ARE CAST IRON FRAMES

Three Phase - C-Face - TEFC, Less Base continued...

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
2	3450	56C	VEM3555†*	520	K	3532M	14.12	47	86.5	E	2.5
2	3450	56C	VM3555	417	K	3428M	12.85	42	80.0	E	2.9
2	3450	145TC	VM3555T	458	L1	3428M	12.92	33	80.0	E	2.9
2	1725	56C	VEM3558†*	528	K	3532M	14.12	51	86.5	E	2.7
2	1725	56C	VM3558	382	LS	3528M	13.23	44	82.5	E	3.1
2	1725	145TC	VM3558T	382	LS	3528M	13.31	42	82.5	E	3.1
2	1725	145TC	VEM3587T†*	709	L1	0532M	13.04	64	86.5	E	2.7
2	1725	184C	VM3609	656	L1	3528M	13.31	41	82.5	E	3.1
2	1140	184TC	VM3614T	606	L1	3628M	16.55	65	80.0	E	3.3
2	1140	184C	VM3614	741	L1	3628M	15.68	63	80.0	E	3.3
3	3450	56C	VM3559†*	483	K	3528M	13.23	44	82.5	E	3.8
3	3450	145TC	VM3559T†*	523	L1	3528M	13.31	45	82.5	E	3.8
3	3500	182TC	VEM3610T†*	635	L1	3624M	16.55	66	89.5	F	3.5
3	3450	182TC	VM3610T†*	572	L1	3528M	14.30	50	82.5	E	3.8
3	3450	184C	VM3610†*	637	L1	3528M	13.31	44	82.5	E	3.8
3	1725	56C	VM3561†*	506	K	3535M	14.10	49	84.0	E	4.1
3	1760	182TC	VEM3611T†*	603	LS	3628M	16.55	69	89.5	E	4.1
3	1725	182TC	VM3611T†*	464	LS	3535M	15.18	54	84.0	E	4.1
3	1760	182TC	VEM3661T†*	821	L1	0628M	16.00	97	89.5	E1	4.0
3	1725	184C	VM3611†*	588	LS	3535M	14.19	52	84.0	E	4.1
3	1725	213C	VM3703†*	814	L1	3623M	15.30	63	82.5	E	4.3
3	1140	213TC	VM3704T†*	794	L1	3726M	18.63	96	81.5	E	4.8
3	1140	215C	VEM3704†*	984	L1	3726M	18.26	97	81.5	E	4.8
5	3470	184TC	VEM3613T†*	701	L1	3634M	16.55	77	90.2	F	5.6
5	3450	184TC	VM3613T†*	652	L1	3628M	16.55	69	85.5	E	6.0
5	3450	184C	VM3613†*	688	L1	3628M	15.68	67	85.5	E	6.0
5	1750	184TC	VEM3615T†*	657	LS	3643M	18.05	95	90.2	F	6.5
5	1725	184TC	VM3615T†*	528	LS	3634M	16.55	75	85.5	E	6.6
5	1725	184C	VM3615†*	557	LS	3634M	15.68	73	85.5	E	6.6
5	1750	184TC	VEM3665T†*	822	L1	0640M	16.00	112	90.2	E	6.5
5	1725	215C	VM3707†*	1006	L1	3634M	16.67	76	85.5	E	6.6
5	1160	215TC	VM3708T†*	940	L1	3740M	19.76	127	84.0	E	7.9
7 1/2	3450	184TC	VM3616T†♦	785	L1	3640M	18.05	88	87.5	E	8.6
7 1/2	3450	213TC	VM3709T†*	987	L1	3640M	18.56	99	87.5	E	8.6
7 1/2	1760	213TC	VM3710T†*	705	LS	3725M	18.63	117	87.5	E	10.4
7 1/2	1770	213TC	VEM3770T†*	1140	L1	0735M	19.25	162	91.7	E1	9.5
10	3450	215TC	VM3711T†*	1027	L1	3730M	18.63	122	87.5	E	11.9
10	1725	215TC	VM3714T†♦	840	LS	3740M	19.76	129	87.5	E	13.0
10	1760	215TC	VEM3774T†*	1265	L1	0748M	19.25	198	92.4	E1	12.5
15	3450	215TC	VM3713T†♦	1282	L1	3744M	19.76	143	86.5	E	17.0
15	3500	254TC	VM2394T††	1798	L1	0744M	20.32	200	86.5	E	17.5
15	1760	254TC	VM2333T†*	1635	LS	0744M	20.32	199	87.5	E	20.0
20	3500	256TC	VM4106T†*	1946	L1	0750M	20.32	221	88.5	E	23.0
20	1760	256TC	VM2334T†*	1914	LS	0938M	23.66	273	91.0	E1	24.0
25	3510	284TSC	VM4107T†*	2498	L1	0942M	22.28	371	91.0	E1	28.0
25	1760	284TC	VM4103T†*	2401	LS	1034M	27.76	377	89.5	E1	32.0
30	3510	286TSC	VM4108T†*	2677	L1	0950M	22.28	403	91.0	E1	34.0
30	1760	286TC	VM4104T†*	2448	LS	1040M	27.76	399	90.2	E1	38.0

NOTE: Voltage @ 60 Hz: E = 208-230/460 volts, E1=230/460 volts usable at 208 volts, F = 230/460 Volts.
See notes on pages 8 and 9, and inside back flap.
Red catalog number = New item.

SHADED RATINGS ARE CAST IRON FRAMES

General
Information

Single Phase
Motors

General Purpose

Premium Efficient
Super-E® Motors

C-Face
Industrial Motors

Severe Duty
Motors

Washdown Duty
Motors

Explosion Proof
Motors

Pump Motors

Commercial
Motors

Three Phase - C-Face - ODP, Less Base

1/4 thru 30 Hp

NEMA 56C thru 284TC

Applications: Pumps, fans, conveyors, machine tools, gear reducers and other applications requiring a NEMA C-face motor.

Features: Pressure cast aluminum end plates with ribbed design for rigidity. Ball bearings with a locked drive end bearing and heavy gauge steel frames.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
1/4	1725	56C	KM3003	216	K	3410M	11.35	19	64.0	E1	0.7
1/3	3450	56C	KM3006	220	K	3410M	11.22	20	72.0	E1	0.7
1/3	1725	56C	VM3104	223	LS	3413M	11.22	21	68.0	E1	0.8
1/2	3450	56C	VM3107	232	K	3410M	11.22	19	68.0	E1	1.0
1/2	1725	56C	VM3108	253	LS	3416M	11.22	22	74.0	E1	1.0
1/2	1140	56C	VM3109	392	K	3418M	12.35	25	72.0	E1	1.2
3/4	3450	56C	VM3111	328	K	3413M	11.22	21	74.0	E1	1.3
3/4	1725	56C	VM3112	280	LS	3420M	11.84	25	75.5	E	1.5
3/4	1140	56C	VM3153	422	K	3428M	13.35	32	77.0	E	1.5
3/4	1140	143TC	VM3153T	422	L1	3428M	13.41	33	77.0	E	1.5
1	3450	56C	VM3115	310	K	3416M	11.22	23	75.5	E1	1.8
1	1725	56C	VM3116	†*	LS	3424M	12.35	29	78.5	E	1.7
1	1725	143TC	VM3116T	†*	LS	3424M	12.41	30	78.5	E	1.7
1	1140	145TC	VM3156T	438	L1	3524M	13.30	37	75.5	E	1.7
1 1/2	3450	56C	VM3120	345	K	3424M	12.72	30	80.0	E	2.3
1 1/2	3450	143TC	VM3120T	369	L1	3424M	13.10	31	80.0	E	2.3
1 1/2	1725	56C	VM3154	361	LS	3432M	13.22	34	77.0	E	2.8
1 1/2	1725	145TC	VM3154T	368	LS	3432M	13.60	35	77.0	E	2.8
1 1/2	1140	145TC	VM3159T	478	L1	3528M	13.30	41	75.5	F	2.5
2	3450	56C	VM3155	401	K	3428M	13.22	32	80.0	E	2.9
2	3450	143TC	VM3155T	407	L1	3428M	13.10	33	80.0	E	2.9
2	1725	56C	VM3157	375	LS	3524M	13.24	38	78.5	E	3.2
2	1725	145TC	VM3157T	379	LS	3524M	13.30	38	78.5	E	3.2
2	1140	184TC	VM3215T	498	L1	3623M	15.18	58	82.5	F	3.4
3	3450	56C	VM3158	412	K	3524M	13.24	41	80.0	E	4.0
3	3450	145TC	VM3158T	432	L1	3524M	13.30	40	80.0	E	4.0
3	1725	145TC	VM3161T	†*	L1	3535M	14.18	53	82.5	E	4.1
3	1725	182TC	VM3211T	†*	L1	3535M	15.18	61	82.5	E	4.1
3	1725	184C	VM3211	†*	L1	3535M	14.18	53	82.5	E	4.1
3	1140	213TC	VM3305T	†*	L1	3726M	18.68	98	81.5	E	4.8
5	3450	182TC	VM3212T	469	L1	3628M	16.55	69	84.0	E	5.7
5	1740	184C	VM3218	487	L1	3625M	15.68	69	82.5	E	7.0
5	1740	184TC	VM3218T	455	L1	3625M	16.55	68	82.5	E	7.0
5	1140	215TC	VM3309T	832	L1	3735M	18.68	113	84.0	E	7.2
7 1/2	3450	184TC	VM3219T	575	L1	3634M	16.55	75	85.5	E	9.0
7 1/2	1725	213TC	VM3311T	672	L1	3726M	18.68	99	85.5	E	11.0
10	3450	213TC	VM3312T	825	L1	3725M	18.68	110	88.5	E	11.6
10	1725	215TC	VM3313T	805	L1	3729M	18.68	106	85.5	E	14.0
15	3450	215TC	VM3314T	†*	L1	3735M	18.68	125	89.5	E	17.5
15	1760	254TC	VM2513T	1257	L1	3926M	20.05	189	88.5	F	20.5
20	3450	254TC	VM2514T	†*	L1	3744M	20.42	146	87.5	F	23.0
20	1760	256TC	VM2515T	1566	L1	3930M	22.00	211	88.5	E1	26.5
25	3500	254TC	VM2516T	1845	LS	3928M	22.00	180	88.5	E1	30.0
25	1760	284TC	VM2531T	1997	L1	3942M	26.53	226	91.7	E1	31.0
30	3510	284TSC	VM2534T	2078	L1	3938M	24.15	234	91.0	E1	34.0

NOTE: Voltage @ 60 Hz: E = 208-230/460 volts, E1 = 230/460 usable at 208 volts, F = 230/460 volts.
See notes on pages 8 and 9, and inside back flap.

Three Phase - C-Face - 1/3 thru 100 Hp TEFC, with Base

NEMA 56C thru 405TC



Applications: Pumps, fans, conveyors, machine tools, gear reducers and other applications requiring a NEMA C-face motor.

Features: Ball bearings with a locked drive end bearing, dynamically balanced rotor and heavy gauge steel or cast iron frame. CEM Super-E motors have NEMA Premium® efficiency and 3 year warranty.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	“C” Dimension	Ap’x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
1/3	1725	56C	CM3534	363	LS	3413M	11.35	22	68.0	E1	0.8
1/2	3450	56C	CM3537	272	K	3410M	11.35	21	68.0	E1	1.0
1/2	1725	56C	CM3538	292	LS	3416M	11.35	22	74.0	E1	1.0
1/2	1140	56C	CM3539	426	K	3418M	11.35	24	72.0	E1	1.2
3/4	3450	56C	CM3541	298	K	3413M	11.35	22	74.0	E1	1.3
3/4	1725	56C	CM3542	309	LS	3420M	11.35	26	75.5	E	1.5
3/4	1140	56C	CM3543	435	K	3428M	12.85	33	77.0	E	1.5
1	3450	56C	CEM3545†*	452	K	3516M	12.25	30	84.0	F	1.4
1	3450	56C	CM3545	347	K	3416M	11.35	24	75.5	E1	1.8
1	1750	56C	CEM3546†*	453	K	3524M	13.23	36	86.5	E	1.4
1	1725	56C	CM3546	331	K	3426M	12.00	31	78.5	E	1.7
1	1740	143TC	CM3546T	361	LS	3518M	13.29	35	82.5	E	1.4
1	1750	143TC	CEM3581T†*	660	L1	0524M	13.05	56	86.5	E	1.4
1	1140	56C	CM3556	442	K	3524M	13.23	38	75.5	E	1.7
1	1140	145TC	CM3556T	483	L1	3526M	13.29	43	80.0	E	1.8
1 1/2	3450	56C	CEM3550†*	478	K	3524M	13.25	41	85.5	E	2.0
1 1/2	3450	56C	CM3550	377	K	3424M	12.35	39	80.0	E	2.3
1 1/2	3450	143TC	CM3550T	405	L1	3520M	13.29	39	82.5	E	2.1
1 1/2	3450	143TC	CEM3583T†*	639	L1	0524M	13.05	60	85.5	E	2.0
1 1/2	1740	56C	CEM3554†*	503	K	3528M	13.23	42	86.5	F	2.0
1 1/2	1725	56C	CM3554	360	K	3520M	12.23	35	78.5	E	2.5
1 1/2	1740	145TC	CM3554T	369	LS	3524M	13.29	41	84.0	E	2.1
1 1/2	1740	145TC	CEM3584T†*	682	L1	0528M	13.05	64	86.5	E	2.0
1 1/2	1140	56C	CM3557†♦	504	K	3528M	13.23	42	75.5	F	2.5
1 1/2	1165	182TC	CM3607T†♦	577	L1	3628M	16.55	72	85.5	E	2.8
2	3450	56C	CEM3555†*	524	K	3532M	14.12	48	86.5	E	2.5
2	1725	56C	CEM3558†*	532	K	3532M	14.10	46	86.5	E	2.7
2	3450	56C	CM3555	421	K	3428M	12.85	33	80.0	E	2.9
2	3450	145TC	CM3555T	463	L1	3526M	13.29	43	84.0	E	2.6
2	3450	145TC	CEM3586T†*	683	L1	0532M	13.05	67	86.5	E	2.5
2	1725	56C	CM3558	387	K	3528M	13.23	42	82.5	E	3.1
2	1740	145TC	CM3558T	387	LS	3532M	14.17	45	84.0	E	2.8
2	1725	145TC	CEM3587T†*	713	L1	0532M	13.05	67	86.5	E	2.7
2	1160	184TC	CM3614T	617	L1	3632M	16.55	77	86.5	E	3.5
3	3450	56C	CM3559†*	487	K	3528M	13.25	44	82.5	E	3.8
3	3450	145TC	CM3559T†*	527	L1	3535M	14.17	62	85.5	E	3.7
3	3500	182TC	CEM3610T†*	646	L1	3624M	16.55	66	89.5	F	3.5
3	3450	182TC	CM3610T†*	583	L1	3535M	15.18	59	85.5	E	3.7
3	3500	182TC	CEM3660T†*	811	L1	0623M	16.00	100	89.5	E1	3.5
3	3500	182TC	CM3660T†*	747	L1	0617M	15.99	93	85.5	E	3.7
3	1760	182TC	CEM3611T†*	625	LS	3628M	16.55	69	89.5	E	4.1
3	1750	182TC	CM3611T†*	489	LS	3546M	16.56	71	87.5	E	4.1
3	1760	182TC	CEM3661T†*	832	L1	0628M	16.00	101	89.5	E1	4.0
3	1750	182TC	CM3661T†*	751	L1	0628M	15.99	98	87.5	E	4.1
3	1160	213TC	CM3704T†*	810	L1	3729M	18.63	115	87.5	E	5.1

NOTE: Voltage @ 60 Hz: E = 208-230/460 volts, E1 = 230/460 usable at 208 volts, F = 230/460 volts.
See notes on pages 8 and 9, and inside back flap. Red catalog number = New item.

SHADED RATINGS ARE CAST IRON FRAMES

General
Information

Single Phase
Motors

General Purpose

Premium Efficient
Super-E® Motors

C-Face
Industrial Motors

Severe Duty
Motors

Washdown Duty
Motors

Explosion Proof
Motors

Pump Motors

Commercial
Motors

Three Phase - C-Face - TEFC, with Base continued...

	Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
Single Phase Motors	5	3470	184TC	CEM3613T †*	712	L1	3634M	16.55	77	90.2	F	5.6
	5	3450	184TC	CM3613T †*	663	L1	3626M	16.55	76	87.5	E	5.8
	5	3500	184TC	CEM3663T †*	983	L1	0632M	16.00	107	90.2	F	5.7
	5	3450	184TC	CM3663T †*	908	L1	0624M	15.99	103	87.5	E	5.9
General Purpose	5	1750	184TC	CEM3615T †*	675	LS	3643M	18.05	95	90.2	F	6.5
	5	1750	184TC	CM3615T †*	555	LS	3633M	16.55	81	87.5	E	7.1
	5	1750	184TC	CEM3665T †*	833	L1	0640M	16.00	116	90.2	E	6.5
	5	1750	184TC	CM3665T †*	761	L1	0638M	15.99	112	87.5	E	6.7
Premium Efficient Super-E® Motors	5	1160	215TC	CM3708T †*	956	L1	3735M	18.63	124	87.5	E	8.1
	7 1/2	3450	184TC	CM3616T †*	797	L1	3640M	18.05	91	88.5	E	8.7
	7 1/2	3450	213TC	CM3709T †*	1003	L1	3640M	19.51	97	88.5	E	8.7
	7 1/2	3525	213TC	CEM3769T †*	1195	L1	0733M	19.20	180	91.0	E1	8.6
C-Face Industrial Motors	7 1/2	3500	213TC	CM3769T †*	1092	L1	0728M	19.20	167	88.5	E	9.0
	7 1/2	1760	213TC	CM3710T †*	721	LS	3730M	18.63	131	89.5	E	9.8
	7 1/2	1770	213TC	CEM3770T †*	1156	L1	0735M	19.20	170	91.7	E1	9.5
	7 1/2	1760	213TC	CM3770T †*	1061	L1	0728M	19.20	185	89.5	E	9.8
Severe Duty Motors	10	3500	215TC	CM3711T †*	1043	L1	3732M	18.63	127	89.5	E	11.5
	10	3500	215TC	CEM3771T †*	1378	L1	0744M	19.20	197	91.7	E1	11.2
	10	3500	215TC	CM3771T †*	1284	L1	0732M	19.20	167	89.5	F	11.5
	10	1760	215TC	CM3714T †*	856	LS	3738M	19.76	141	89.5	E	12.8
Washdown Duty Motors	10	1760	215TC	CEM3774T †*	1281	L1	0748M	19.20	202	92.4	E1	12.5
	10	1760	215TC	CM3774T †*	1131	L1	0733M	19.20	190	89.5	E	13.0
	15	3450	215TC	CM3713T †*	1298	L1	3750M	21.25	167	90.2	E	17.0
	15	3450	215TC	CM3773T †*	1526	L1	0750M	19.20	214	90.2	E	17.0
Explosion Proof Motors	15	3525	254TC	CEM2394T †*	2119	L1	0934M	23.66	285	91.7	E1	17.2
	15	1765	254TC	CEM2333T †*	1982	L1	0936M	23.66	255	92.4	E1	18.5
	15	1760	254TC	CM2333T †*	1742	LS	0756M	21.57	253	91.0	F	18.5
	20	3520	256TC	CEM4106T †*	2286	L1	0940M	23.66	258	92.4	E1	22.5
Pump Motors	20	3450	256TC	CM4106T †*	2053	L1	0750M	23.32	270	90.2	E	23.0
	20	1765	256TC	CEM2334T †*	2316	L1	0948M	23.66	286	93.0	E1	24.0
	20	1760	256TC	CM2334T †*	2021	L1	0938M	23.66	276	91.0	E1	24.0
	25	3530	284TSC	CEM4107T †*	3017	L1	0950M	24.57	383	93.0	E1	28.0
Commercial Motors	25	3510	284TSC	CM4107T †*	2658	L1	0942M	24.57	361	91.0	E1	28.0
	25	1770	284TC	CEM4103T †*	3063	L1	1046M	27.76	420	93.6	E1	30.0
	25	1760	284TC	CM4103T †*	2561	L1	0956M	25.96	401	92.4	E1	29.0
	30	3510	284TSC	CM4108T †*	2741	L1	0950M	24.57	383	91.0	E1	34.0
	30	1770	286TC	CEM4104T †*	3529	L1	1060M	27.76	470	94.1	E1	36.0
	30	1760	286TC	CM4104T †*	2924	L1	0964M	25.96	412	92.4	E1	36.0
	30	1765	286TC	CM4104T-5 †♦	2924	L1	1044M	27.76	391	92.4	H	29.6
	40	3520	324TSC	CM4109T †*	3871	L1	1050M	28.89	486	91.7	E1	45.0
	40	1775	324TC	CEM4110T †*	4498	L1	1260M	30.28	608	94.5	E1	46.0
	40	1765	324TC	CM4110T †*	3752	L1	1068M	30.39	594	93.0	E1	48.0
	50	3525	326TSC	CM4114T †*	3924	L1	1064M	28.89	595	92.4	E1	56.0
	50	1775	326TC	CEM4115T †*	4858	L1	1266M	30.28	633	94.5	E1	57.0
	50	1760	326TC	CM4115T †*	3862	L1	1080M	30.39	579	93.0	E1	60.0
	60	3550	364TSC	CM4310T †*	5719	L1	1450M	30.72	736	93.0	E1	67.0
	60	1780	364TC	CEM4314T †*	6774	L1	1462M	32.84	808	95.0	E1	69.0
	60	1775	364TC	CM4314T †*	5644	L1	1454M	32.84	734	93.6	E1	71.0
	75	3550	365TSC	CM4313T †*	6800	L1	1456M	30.72	762	93.0	E1	83.0
	75	1780	365TC	CEM4316T †*	7805	L1	1482M	32.84	892	95.4	E1	84.0
	75	1775	365TC	CM4316T †*	6800	L1	1462M	32.84	808	94.1	E1	86.0
	100	1780	405TC	CEM4400T †*	10103	D3	1684M	38.06	1495	95.4	F	109.0
	100	1775	405TC	CM4400T †*	8451	D3	1480M	37.22	1121	94.5	F	113.0

NOTE: Voltage @ 60 Hz: E = 208-230/460 volts, E1=230/460 usable at 208 volts, F= 230/460 volts, H=575 volts

SHADED RATINGS ARE CAST IRON FRAMES

See notes on pages 8 and 9, and inside back flap.

Custom TEFC motors available through 900 Hp; Open and WPII motors through 1250 Hp. Contact your Baldor Sales Representative. Red catalog number = New item.

Three Phase - C-Face - 1/3 thru 100 Hp ODP, with Base

NEMA 56C thru 405TC



Applications: Pumps, fans, conveyors, machine tools, gear reducers.

Features: Pressure cast aluminum end plates with ribbed design for rigidity, ball bearings, locked drive end bearing, heavy gauge steel frame.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
1/3	1725	56C	CM3104	227	K	3413M	10.10	21	68.0	E1	0.8
1/2	3450	56C	CM3107	236	K	3410M	10.10	20	68.0	E1	1.0
1/2	1725	56C	CM3108	257	K	3416M	10.10	23	74.0	E1	1.0
3/4	1725	56C	CM3112	289	K	3420M	10.73	27	75.5	E	1.5
1	1725	143TC	CM3116T	333	L1	3518M	11.62	34	82.5	E	1.4
1 1/2	1740	145TC	CM3154T	378	L1	3524M	11.62	38	84.0	E	2.1
2	3450	56C	CM3155	419	K	3428M	11.60	32	80.0	E	2.9
2	1725	145TC	CM3157T	386	L1	3526M	12.12	42	84.0	E	2.8
3	3450	145TC	CM3158T	†*	L1	3528M	12.12	43	84.0	E	3.7
3	1725	182TC	CM3211T	†*	L1	3540M	14.63	71	86.5	E	4.0
5	3450	182TC	CM3212T	480	L1	3535M	14.00	67	85.5	E	6.1
5	1750	184TC	CM3218T	476	L1	3628M	15.00	71	87.5	E	6.9
7 1/2	3430	184TC	CM3219T	678	L1	3627M	15.00	74	87.5	E	8.7
7 1/2	1750	213TC	CM3311T	701	L1	3643M	16.99	109	88.5	E	10.0
10	3450	213TC	CM3312T	854	L1	3725M	17.06	111	88.5	E	11.6
10	1760	215TC	CM3313T	834	L1	3731M	17.06	131	89.5	E	13.0
15	3450	215TC	CM3314T	†*	L1	3735M	17.06	129	89.5	E	17.5
15	1760	254TC	CM2513T	†*	L1	3748M	19.56	172	91.0	E	19.0
20	3525	254TC	CM2514T	1617	L1	3930M	21.69	158	90.2	E1	24.0
20	1760	256TC	CM2515T	1630	L1	3936M	21.69	234	91.0	E1	25.0
25	3510	256TC	CM2516T	1909	L1	3934M	21.69	186	91.0	E1	29.0
25	1760	284TC	CM2531T	2105	L1	3942M	23.44	226	91.7	E1	31.0
30	1760	286TC	CM2535T	2393	L1	3952M	24.94	249	92.4	E1	36.0
40	1770	324TC	CM2539T	3100	L1	4052M	26.19	378	93.0	E1	49.0
50	1765	326TC	CM2543T	3542	L1	4060M	27.19	382	93.0	E1	62.0
60	1770	364TC	CM2547T	4323	L1	4252M	27.94	474	93.6	E1	72.0
75	1770	365TC	CM2551T	5159	L1	4272M	29.94	608	94.1	E1	87.0
100	1775	404TC	CM2555T	5742	D3	4464M	35.22	830	94.1	E1	119.0

NOTE: Voltage @ 60 Hz: E = 208-230/460 volts, E1=230/460 usable at 208 volts.
See notes on pages 8 and 9, and inside back flap.

Single and Three Phase - 1/12 thru 1/4 Hp Foot or C-Face Mounting - TENV, Removable Base

NEMA 42C



Applications: General purpose fractional horsepower applications including pumps, compressors, machine tools, and air handling.

Features: C-face with removable base, rugged cast aluminum housing having a dry powder epoxy coating, and ball bearings with the drive end bearing locked.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
Single Phase - Permanent Split Capacitor											
1/12	3375	42C	CNL20082	†♦	DS	2514C	7.39	10	55.0	L	1.1
1/8	1600	42C	CNL20134	†♦	DS	2520C	7.89	11	59.0	L	1.6
1/6	3450	42C	CNL20172	†♦	DS	2524C	8.39	13	68.0	L	1.9
Three Phase											
1/8	3450	42C	CNM20132	†♦	DS	2510M	7.39	8	64.0	E	0.4
1/8	1725	42C	CNM20134	†♦	DS	2516M	7.39	10	62.0	E	0.4
1/4	3450	42C	CNM20252	†♦	DS	2520M	7.89	12	72.0	U	0.5

NOTE: Voltage @ 60 Hz: E= 208-230/460, L = 115, U=190/380//230/460 volts, 50//60 Hz.
See notes on pages 8 and 9, and inside back flap.

General
Information

Single Phase
Motors

General Purpose
Motors

Premium Efficient
Super-E® Motors

C-Face
Industrial Motors

Severe Duty
Motors

Washdown Duty
Motors

Explosion Proof
Motors

Pump Motors

Commercial
Motors

Three Phase - DirtyWD™ Washdown

1/2 thru 10 Hp

NEMA 56C thru 215TC



Applications: The most severe and corrosive applications, those which use intense high-pressure washdown, and marine applications.

Features: Proprietary bonded surface coating, stainless steel shaft extension, non-contact rotating labyrinth shaft seal on drive and fan ends, threaded drain ports, stainless steel plugs, gasketed and sealed conduit box, FDA approved surface coating. Weatherproof per IEEE45 and USCG259 marine duty (below deck duty only).

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number		List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
C-Face with Base												
1/2	1725	56C	CWAM3538	†*□	498	K	3516M	11.05	38	75.5	E1	0.8
3/4	1725	56C	CWAM3542	†*□	575	K	3520M	11.05	40	80.0	E1	1.1
1	3450	56C	CWAM3545	†*	593	K	3513M	12.28	36	74.0	E	1.6
1	1725	56C	CWAM3546	†*□	596	K	3524M	12.05	45	81.5	E	1.6
1	1725	143TC	CWAM3546T	†*□	596	L1	3524M	12.12	45	81.5	E	1.6
1	1140	56C	CWAM3556	†*	768	K	3524M	13.28	41	75.5	E	1.7
1 1/2	3450	56C	CWAM3550	†*	665	K	3516M	12.28	39	75.5	E	2.3
1 1/2	1725	145TC	CWAM3554T	†*□	623	L1	3535M	13.00	55	82.5	E	2.1
1 1/2	1140	56C	CWAM3557	†*	870	K	3528M	13.28	46	75.5	F	2.5
2	3450	56C	CWAM3555	†*	731	K	3524M	13.28	37	78.5	E	2.7
2	1740	56C	CWAM3558	†*	768	K	3528M	13.28	52	84.0	E	2.8
2	1740	145TC	CWAM3558T	†*	768	L1	3528M	13.35	52	84.0	E	2.8
2	1160	184TC	CWAM3614T	†*	980	L1	3632M	16.60	79	86.5	E	3.5
3	3450	145TC	CWAM3559T	†*	899	L1	3535M	14.23	65	85.5	E	3.7
3	1750	182TC	CWAM3611T	†*	939	L1	3628M	16.60	89	87.5	E	4.1
3	1160	213TC	CWAM3704T	†*	1224	L1	3729M	18.63	116	87.5	E	5.1
5	3450	184TC	CWAM3613T	†*	1050	L1	3626M	16.60	85	87.5	E	5.8
5	1750	184TC	CWAM3615T	†*	1093	L1	3633M	16.60	96	87.5	E	7.1
5	1160	215TC	CWAM3708T	†*	1619	L1	3735M	18.63	128	87.5	E	8.1
7 1/2	3450	184TC	CWAM3616T	†*	1390	L1	3640M	18.10	98	88.5	E	8.7
7 1/2	1760	213TC	CWAM3710T	†*	1344	L1	3730M	18.63	147	89.5	E	9.8
7 1/2	1175	254TC	CWAM22976T	†*	2396	L1	3940M	23.57	260	89.5	E	11.2
10	3500	215TC	CWAM3711T	†*	1594	L1	3732M	18.63	135	89.5	E	11.5
10	1760	215TC	CWAM3714T	†*	1530	L1	3738M	19.76	159	89.5	E	12.8
10	1175	256TC	CWAM23932T	†*	2648	L1	3946M	23.57	275	89.5	E	15.3
C-Face less Base												
1/2	1725	56C	VWAM3538	†*□	493	K	3516M	11.05	37	75.5	E	0.8
3/4	1725	56C	VWAM3542	†*□	570	K	3520M	11.05	40	80.0	E	1.1
1	1725	56C	VWAM3546	†*□	591	K	3524M	12.05	45	81.5	E	1.6
1	1725	143TC	VWAM3546T	†*□	591	L1	3524M	12.13	43	81.5	E	1.6
1 1/2	1725	56C	VWAM3554	†*□	619	K	3535M	12.93	55	82.5	E	2.1
1 1/2	1725	145TC	VWAM3554T	†*□	619	L1	3535M	13.00	55	82.5	E	2.1
2	1725	56C	VWAM3558	†*	763	K	3528M	13.28	45	82.5	E	3.1
2	1725	145TC	VWAM3558T	†*	763	L1	3528M	13.35	51	82.5	E	3.1
3	1725	182TC	VWAM3611T	†*	924	L1	3535M	15.23	65	84.0	E	4.1
5	1725	184TC	VWAM3615T	†*	1078	L1	3634M	16.60	90	85.5	E	6.6
7 1/2	1760	213TC	VWAM3710T	†*	1318	L1	3725M	18.63	134	87.5	E	10.4
10	1725	215TC	VWAM3714T	†*	1503	L1	3740M	19.76	147	87.5	E	13.0

NOTE: Voltage @ 60 Hz: E = 208-230/460 Volts, E1=230/460 usable at 208 volts.
See notes on pages 8 and 9, and inside back flap.

Three Phase - 460 & 230/460 Volts - Rigid Base



1 thru 400 Hp

NEMA 143T thru 449T

Applications: Petro-chemical plants, mines, foundries, pulp and paper plants, waste management facilities, chemical plants, tropical climates and other processing industry applications requiring corrosion protection from severe environmental operating conditions.

Features: 1.15 Service Factor, corrosion resistant epoxy finish, regreasable ball or roller bearings, oversized rotatable cast iron conduit box, cast iron frames, Forsheda® shaft seal, moisture resistant copper windings, Class F insulation, tropicalization, stainless steel nameplate and corrosion resistant hardware. ECP Super-E motors have NEMA Premium® efficiency and 3 year warranty.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	
1	3450	143T	ECP3580T-4	†*	564	L1	0516M	12.75	58	84.0	G	1.4
1	3450	143T	CP3580T-4	†*	478	L1	0513M	12.75	53	77.0	G	1.5
1	1750	143T	ECP3581T	†*	708	L1	0524M	12.75	61	86.5	E	1.4
1	1750	143T	ECP3581T-4	†*	708	L1	0524M	12.75	60	86.5	G	1.4
1	1740	143T	CP3581T	†*	565	L1	0518M	12.75	58	82.5	E	1.4
1	1740	143T	CP3581T-4	†*	565	L1	0518M	12.75	57	82.5	G	1.4
1	1150	145T	ECP3582T	†*	782	L1	0528M	12.75	67	82.5	E	1.8
1	1150	145T	ECP3582T-4	†*	782	L1	0528M	12.75	67	82.5	G	1.8
1	1140	145T	CP3582T	†*	672	L1	0526M	12.75	65	80.0	E	1.8
1	1140	145T	CP3582T-4	†*	672	L1	0526M	12.75	64	80.0	G	1.8
1 1/2	3450	143T	ECP3583T-4	†*	644	L1	0524M	12.75	66	85.5	G	2.0
1 1/2	3450	143T	CP3583T-4	†*	545	L1	0520M	12.75	59	82.5	G	2.1
1 1/2	1740	145T	ECP3584T	†*	721	L1	0528M	12.75	67	86.5	E	2.0
1 1/2	1740	145T	ECP3584T-4	†*	721	L1	0528M	12.75	68	86.5	G	2.0
1 1/2	1740	145T	CP3584T	†*	577	L1	0524M	12.75	64	84.0	E	2.1
1 1/2	1740	145T	CP3584T-4	†*	577	L1	0524M	12.75	65	84.0	G	2.1
1 1/2	1170	182T	ECP3667T	†*	915	L1	0634M	15.93	105	87.5	E	2.6
1 1/2	1160	182T	ECP3667T-4	†*	915	L1	0632M	15.93	109	86.5	G	2.6
1 1/2	1160	182T	CP3667T	†*	773	L1	0625M	15.93	100	85.5	E	2.6
1 1/2	1160	182T	CP3667T-4	†*	773	L1	0625M	15.93	100	85.5	G	2.6
2	3450	145T	ECP3586T-4	†*	721	L1	0532M	12.75	72	86.5	G	2.5
2	3450	145T	CP3586T-4	†*	629	L1	0526M	12.75	64	84.0	G	2.6
2	1725	145T	ECP3587T	†*	753	L1	0532M	12.75	73	86.5	E	2.7
2	1725	145T	ECP3587T-4	†*	753	L1	0532M	12.75	72	86.5	G	2.7
2	1740	145T	CP3587T	†*	592	L1	0528M	12.75	68	84.0	E	2.8
2	1740	145T	CP3587T-4	†*	592	L1	0528M	12.75	67	84.0	G	2.8
2	1170	184T	ECP3664T	†*	927	L1	0640M	15.93	119	88.5	E	3.5
2	1160	184T	ECP3664T-4	†*	927	L1	0640M	15.93	118	87.5	G	3.6
2	1160	184T	CP3664T	†*	828	L1	0632M	15.93	109	86.5	E	3.5
2	1160	184T	CP3664T-4	†*	828	L1	0632M	15.93	109	86.5	G	3.5
3	3500	182T	ECP3660T-4	†*	907	L1	0628M	15.93	103	88.5	G	3.4
3	3500	182T	CP3660T-4	†*	813	L1	0623M	15.93	97	85.5	G	3.5
3	1760	182T	ECP3661T	†*	953	L1	0628M	15.93	104	89.5	E1	4.0
3	1760	182T	ECP3661T-4	†*	953	L1	0628M	15.93	105	89.5	G	4.0
3	1760	182T	CP3661T	†*	833	L1	0628M	15.93	104	89.5	E1	4.0
3	1750	182T	CP3661T-4	†*	833	L1	0628M	15.93	103	87.5	G	4.1
3	1160	213T	ECP3764T	†*	1339	L1	0736M	19.32	211	89.5	E1	5.0
3	1160	213T	ECP3764T-4	†*	1339	L1	0736M	19.32	187	89.5	G	5.0
3	1160	213T	CP3764T	†*	1123	L1	0729M	19.32	185	87.5	E	5.1
3	1160	213T	CP3764T-4	†*	1123	L1	0729M	19.32	185	87.5	G	5.1

NOTE: All ratings are 1.15 service factor at 40°C ambient. All ratings meet 50°C ambient at 1.00 service factor and weatherproof requirements for IEEE 45 and USCG 259 marine duty (below deck).

Voltage @ 60 HZ: E = 208-230/460 volts, E1=230/460 usable at 208 volts, G = 460 volts. See notes on pages 8 and 9, and inside back flap.

FOR OTHER 208-230/460 VOLT REQUIREMENTS, PLEASE SEE DIRTY DUTY MOTORS ON PAGE 61.

SHADED RATINGS ARE CAST IRON FRAMES

General
Information

Single Phase
Motors

General Purpose
Motors

Premium Efficient
Super-E® Motors

C-Face
Industrial Motors

Severe Duty
Motors

Washdown Duty
Motors

Explosion Proof
Motors

Pump Motors

Commercial
Motors

Three Phase - 460 & 230/460 Volts - Rigid Base continued...

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
5	3500	184T	ECP3663T-4	†*	L1	0634M	15.93	111	89.5	G	5.7
5	3450	184T	CP3663T-4	†*	L1	0630M	15.93	106	87.5	G	6.0
5	1750	184T	ECP3665T	†*	L1	0643M	15.93	124	90.2	E1	6.5
5	1750	184T	ECP3665T-4	†*	L1	0643M	15.93	123	90.2	G	6.5
5	1750	184T	CP3665T	†*	L1	0638M	15.93	117	87.5	E	6.7
5	1750	184T	CP3665T-4	†*	L1	0638M	15.93	116	87.5	G	6.7
5	1160	215T	ECP3768T	†*	L1	0744M	19.32	203	89.5	E1	8.0
5	1160	215T	ECP3768T-4	†*	L1	0744M	19.32	203	89.5	G	8.0
5	1160	215T	CP3768T	†*	L1	0735M	19.32	173	87.5	E	8.1
5	1160	215T	CP3768T-4	†*	L1	0735M	19.32	178	87.5	G	8.1
7 1/2	3525	213T	ECP3769T-4	†*	L1	0733M	19.32	192	91.0	G	8.6
7 1/2	3500	213T	CP3769T-4	†*	L1	0728M	19.32	167	88.5	G	9.0
7 1/2	1770	213T	ECP3770T	†*	L1	0735M	19.32	173	91.7	E1	9.5
7 1/2	1770	213T	ECP3770T-4	†*	L1	0735M	19.32	180	91.7	G	9.5
7 1/2	1760	213T	CP3770T	†*	L1	0728M	19.32	197	89.5	E	9.8
7 1/2	1760	213T	CP3770T-4	†*	L1	0728M	19.32	196	89.5	E	9.8
7 1/2	1180	254T	ECP2276T	†*	L1	0954M	23.25	321	91.7	E1	10.7
7 1/2	1180	254T	ECP2276T-4	†*	L1	0954M	23.25	286	91.7	G	10.7
7 1/2	1160	254T	CP2276T	†*	L1	0756M	23.70	242	89.5	E	10.9
7 1/2	1160	254T	CP2276T-4	†*	L1	0760M	23.70	270	89.5	G	12.5
10	3500	215T	ECP3771T-4	†*	L1	0744M	19.32	193	91.7	G	11.2
10	3500	215T	CP3771T-4	†*	L1	0732M	19.32	187	89.5	G	11.5
10	1760	215T	ECP3774T	†*	L1	0748M	19.32	201	92.4	E1	12.5
10	1760	215T	ECP3774T-4	†*	L1	0748M	19.32	215	92.4	G	12.5
10	1760	215T	CP3774T	†*	L1	0733M	19.32	204	89.5	E	13.0
10	1760	215T	CP3774T-4	†*	L1	0733M	19.32	178	89.5	G	13.0
10	1180	256T	ECP2332T	†*	L1	0960M	23.25	322	91.7	E1	14.2
10	1180	256T	ECP2332T-4	†*	L1	0960M	23.25	298	91.7	G	14.2
10	1175	256T	CP2332T	†*	L1	0946M	23.25	283	89.5	E1	14.4
10	1175	256T	CP2332T-4	†*	L1	0946M	23.25	263	89.5	G	14.4
15	3525	254T	ECP2394T-4	†*	L1	0934M	23.25	282	91.7	G	17.2
15	3450	254T	CP2394T-4	†*	L1	0750M	21.94	196	90.2	G	17.0
15	3450	215T	CP3773T-4	†*	L1	0750M	19.32	226	90.2	G	17.0
15	1765	254T	ECP2333T	†*	L1	0936M	23.25	235	92.4	E1	18.5
15	1765	254T	ECP2333T-4	†*	L1	0936M	23.25	255	92.4	G	18.5
15	1760	254T	CP2333T	†*	L1	0756M	21.94	232	91.0	F	18.5
15	1760	254T	CP2333T-4	†*	L1	0756M	21.94	240	91.0	G	18.5
15	1180	284T	ECP4100T	†*	L1	1056M	27.56	437	93.0	E1	19.7
15	1180	284T	ECP4100T-4	†*	L1	1056M	27.56	451	93.0	G	19.8
15	1175	284T	CP4100T	†*	L1	1034M	27.56	361	90.2	E1	21.0
15	1175	284T	CP4100T-4	†*	L1	0960M	26.03	374	90.2	G	21.0
20	3540	256T	ECP4106T-4	†*	L1	0944M	23.25	302	92.4	G	23.0
20	3450	256T	CP4106T-4	†*	L1	0750M	23.70	278	90.2	G	23.0
20	1765	256T	ECP2334T	†*	L1	0952M	23.25	302	93.0	E1	24.0
20	1765	256T	ECP2334T-4	†*	L1	0952M	23.25	306	93.0	G	24.0
20	1760	256T	CP2334T	†*	L1	0938M	23.25	285	91.0	E1	24.0
20	1760	256T	CP2334T-4	†*	L1	0938M	23.25	285	91.0	G	24.0
20	1175	286T	ECP4102T	†*	L1	1062M	27.56	451	93.0	E1	26.0
20	1180	286T	ECP4102T-4	†*	L1	1062M	27.56	443	93.0	G	26.0
20	1175	286T	CP4102T	†*	L1	1040M	27.56	382	90.2	E1	27.0
20	1175	286T	CP4102T-4	†*	L1	1040M	27.56	382	90.2	G	27.0

NOTE: Voltage @ 60 Hz: E = 208-230/460 volts, E1=230/460 usable at 208 volts, F = 230/460 volts, G = 460 volts. **SHADED RATINGS ARE CAST IRON FRAMES**
 See notes on pages 8 and 9, and inside back flap. All ratings meet 50°C ambient at 1.00 service factor
 and weatherproof requirements for IEEE 45 and USCG 259 marine duty (below deck). All ratings are
 1.15 service factor at 40°C ambient.

FOR OTHER 208-230/460 VOLT REQUIREMENTS, PLEASE SEE DIRTY DUTY MOTORS ON PAGE 61.

Three Phase - 460 & 230/460 Volts - Rigid Base continued...

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
25	3530	284TS	ECP4107T-4	†*	L1	0950M	24.66	411	93.0	G	28.0
25	3510	284TS	CP4107T-4	†*	L1	0942M	24.66	361	91.0	G	28.0
25	1770	284T	ECP4103T	†*	L1	1046M	27.56	447	93.6	E1	30.0
25	1770	284T	ECP4103T-4	†*	L1	1046M	27.56	423	93.6	G	30.0
25	1760	284T	CP4103T	†*	L1	0956M	26.03	422	92.4	E1	29.0
25	1760	284T	CP4103T-4	†*	L1	0956M	26.03	410	92.4	G	29.0
25	1180	324T	ECP4111T	†*	L1	1256M	30.16	571	93.0	E1	32.0
25	1180	324T	ECP4111T-4	†*	L1	1256M	30.16	580	93.0	G	32.0
25	1175	324T	CP4111T	†*	L1	1060M	30.19	575	91.7	E1	33.0
25	1175	324T	CP4111T-4	†*	L1	1060M	30.19	587	91.7	G	33.0
30	3520	286TS	ECP4108T-4	†*	L1	0954M	24.66	428	93.0	G	33.0
30	3510	284TS	CP4108T-4	†*	L1	0950M	24.66	381	91.0	G	34.0
30	1770	286T	ECP4104T	†*	L1	1060M	27.56	451	94.1	E1	36.0
30	1770	286T	ECP4104T-4	†*	L1	1060M	27.56	445	94.1	G	36.0
30	1760	286T	CP4104T-4	†*	L1	0964M	26.03	422	92.4	G	36.0
30	1760	286T	CP4104T	†*	L1	0964M	26.03	391	92.4	E1	36.0
30	1180	326T	ECP4117T	†*	L1	1260M	30.16	608	93.0	E1	39.0
30	1180	326T	ECP4117T-4	†*	L1	1260M	30.16	603	93.0	G	39.0
30	1180	326T	CP4117T	†*	L1	1258M	30.27	618	91.7	E1	37.0
30	1175	326T	CP4117T-4	†*	L1	1248M	30.27	596	91.7	G	37.0
40	3540	324TS	ECP4109T-4	†*	L1	1244M	28.66	517	93.6	G	45.0
40	3530	324TS	CP4109T-4	†*	L1	1050M	28.69	486	91.7	G	45.0
40	1775	324T	ECP4110T	†*	L1	1260M	30.16	570	94.5	E1	46.0
40	1775	324T	ECP4110T-4	†*	L1	1260M	30.16	578	94.5	G	46.0
40	1765	324T	CP4110T	†*	L1	1068M	30.19	396	93.0	E1	48.0
40	1775	324T	CP4110T-4	†*	L1	1248M	30.27	560	93.0	G	47.0
40	1185	364T	ECP4308T	†*	L1	1464M	32.84	748	94.1	E1	49.0
40	1185	364T	ECP4308T-4	†*	L1	1468M	32.84	783	94.1	G	50.5
40	1185	364T	CP4308T	†*	L1	1464M	32.84	785	93.0	E1	49.0
50	3540	326TS	ECP4114T-4	†*	L1	1252M	28.66	572	94.1	G	54.2
50	1775	326T	ECP4115T	†*	L1	1266M	30.16	633	94.5	E1	57.0
50	1775	326T	ECP4115T-4	†*	L1	1266M	30.16	608	94.5	G	57.0
50	1760	326T	CP4115T	†*	L1	1080M	30.19	451	93.0	E1	60.0
50	1760	326T	CP4115T-4	†*	L1	1080M	30.19	579	93.0	G	60.0
50	1185	365T	ECP4312T	†*	L1	1474M	32.84	847	94.1	E1	61.0
50	1185	365T	ECP4312T-4	†*	L1	1474M	32.84	831	94.1	G	61.0
50	1180	365T	CP4312T	†*	L1	1456M	32.84	782	93.0	E1	61.0
60	3560	364TS	ECP4310T-4	†*	L1	1458M	30.72	742	94.1	G	67.0
60	1780	364T	ECP4314T	†*	L1	1462M	32.84	773	95.0	E1	69.0
60	1780	364T	ECP4314T-4	†*	L1	1462M	32.84	808	95.0	G	69.0
60	1775	364T	CP4314T	†*	L1	1454M	32.84	773	93.6	E1	71.0
60	1775	364T	CP4314T-4	†*	L1	1454M	32.84	734	93.6	G	71.0
60	1185	404T	ECP4403T	†*	L1	1662M	38.03	1082	94.5	E1	72.0
60	1185	404T	ECP4403T-4	†*	D3	1672M	38.03	1100	94.5	G	72.5
60	1185	405T	CP4403T	†*	D3	1672M	38.03	1110	93.6	E1	70.0
75	3565	365TS	ECP4313T-4	†*	L1	1472M	30.72	789	94.5	G	83.0
75	1780	365T	ECP4316T	†*	L1	1482M	32.84	860	95.4	E1	84.0
75	1780	365T	ECP4316T-4	†*	L1	1482M	32.84	843	95.4	G	86.5
75	1775	365T	CP4316T	†*	L1	1476M	32.84	878	94.1	E1	87.0
75	1775	365T	CP4316T-4	†*	L1	1462M	32.84	808	94.1	G	86.0
75	1185	405T	ECP4404T	†*	L1	1680M	38.03	1162	95.0	E1	88.0
75	1185	405T	ECP4404T-4	†*	D3	1680M	38.03	1172	95.0	G	88.0
75	1185	405T	CP4404T	†*	L1	1678M	38.03	1200	93.6	E1	88.0

NOTE: Voltage @ 60 Hz: E = 208-230/460 volts, E1=230/460 usable at 208 volts, G = 460 volts.
See notes on pages 8 and 9, and inside back flap.

SHADED RATINGS ARE CAST IRON FRAMES

General
Information

Single Phase
Motors

General Purpose

Premium Efficient
Super-E® Motors

C-Face
Industrial Motors

Severe Duty
Motors

Washdown Duty
Motors

Explosion Proof
Motors

Pump Motors

Commercial
Motors

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Three Phase - 460 & 230/460 Volts - Rigid Base continued...

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
100	3560	405TS	ECP4402T-4	†*	D3	1664M	35.06	1113	95.0	G	110.0
100	1780	405T	ECP4400T-4	†*	LS	1684M	38.03	1169	95.4	G	109.0
100	1775	405T	CP4400T-4	†*	D3	1480M	37.22	1117	94.5	G	113.0
100	1180	444T	ECP4409T-4	†*	D3	1888M	44.24	1766	95.4	G	120.0
125	3570	444TS	ECP4412T-4	†*	D3	1852M	40.50	1421	95.4	G	136.0
125	1780	444T	ECP4410T-4	†*	LS	1876M	44.24	1672	95.4	G	139.0
125	1190	445T	ECP4411T-4	†*	D3	18100M	44.24	1861	95.4	G	150.0
150	3570	445TS	ECP4413T-4	†*	D3	1856M	40.50	1151	95.4	G	164.0
150	1785	445T	ECP4406T-4	†*	LS	1888M	44.24	1662	95.8	G	173.0
150	1190	445T	ECP44156T-4	†*	D3	18108M	47.74	1820	95.8	G	173.0
200	3570	447TS	ECP4416T-4	†*	D3	1876M	43.99	1762	95.8	G	220.0
200	1785	447T	ECP4407T-4	†*	LS	18136M	47.74	1837	96.2	G	224.0
200	1185	449T	ECP44206T-4	†*	D3	18124M	52.68	2300	95.8	G	230.0
250	3570	449TS	ECP44252T-4	†*	D3	18104M	48.93	2364	95.8	G	272.0
250	1785	449T	ECP4408T-4	†*	LS	18168M	52.68	2486	95.8	G	275.0
250	1180	449TY	ECP44256T-4	†*	D3	18164M	54.35	2666	95.8	G	294.0
300	3570	447TS	ECP44302T-4	†*	D3	18124M	48.93	2454	95.8	G	320.0
300	1785	449TY	ECP44304T-4	†*	LS	18160M	54.35	2666	95.8	G	333.0
350	3560	449TS	ECP44352T-4	†*	D3	18152M	48.93	2300	96.2	G	384.0
350	1785	449TY	ECP44354T-4	†*	LS	18168M	54.35	2360	95.8	G	388.0
350	1190	5011LY	ECP50356L-4	†*	D3	20169M	72.05	5732	95.8	G	386.0
400	3545	449TS	ECP44402T-4	†*	D3	18160M	48.92	2657	95.8	G	422.0
400	1780	449TY	ECP44404T-4	†*	LS	18180M	54.35	2300	95.8	G	440.0

with Roller Bearings

150	1190	447T	ECP44156TR-4	†*	D3	18108M	47.74	2048	95.8	G	173.0
200	1785	447T	ECP4407TR-4	†*	D3	18136M	47.74	2077	96.2	G	224.0
200	1180	449TY	ECP44206TR-4	†*	D3	18140M	54.35	2506	95.8	G	242.0
250	1785	449TY	ECP4408TR-4	†*	D3	18168M	54.35	2490	95.8	G	275.0
250	1180	449TY	ECP44256TR-4	†*	D3	18164M	54.35	2702	95.8	G	294.0
300	1785	449TY	ECP44304TR-4	†*	D3	18160M	54.35	2622	95.8	G	333.0

NOTE: Voltage @ 60 Hz: G = 460 volts. See notes on pages 8 and 9, and inside back flap.

Suffix "TR" indicates motor has roller bearing suitable for belted loads only.

Motors with NEMA 449TY have non-standard "BA" due to drive end bearing cooling fan.

Please refer to layout drawing.

ECP4408T-4, ECP44304T-4, ECP44306T-4, ECP44354T-4, ECP44404T-4, ECP4408TR-4, ECP44304TR-4 and ECP44306TR-4 do not meet

NEMA Premium® efficiency. A custom motor is available.

SHADED RATINGS ARE CAST IRON FRAMES

Custom TEFC motors available through 900 Hp; Open and WPII motors through 1250 Hp. Contact your Baldor Sales Representative.

General
Information

Single Phase
Motors

General Purpose

Premium Efficient
Super-E® Motors

C-Face
Industrial Motors

Severe Duty
Motors

Washdown Duty
Motors

Explosion Proof
Motors

Pump Motors

Commercial
Motors

Three Phase - Super-E® - 575 Volts, Rigid Base

1 thru 200 Hp

NEMA 143T thru 445T

Meets NRC Canadian standards for efficiency.



Applications: Petro-chemical plants, mines, foundries, pulp and paper plants, waste management facilities, chemical plants, tropical climates and other processing industry applications requiring protection against corrosion caused by severe environmental operating conditions.

Features: 1.15 service factor, corrosion resistant epoxy finish. Regreasable ball bearings. Oversized rotatable cast iron conduit box. Forsheda® shaft seal. Moisture resistant ISR® copper windings. Class F insulation. Stainless steel nameplate and corrosion resistant hardware. Tropicalized. NEMA Premium® efficiency and 3 Year Warranty.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number		List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
1	1750	143T	ECP3581T-5	†*	708	L1	0524M	12.75	63	86.5	H	1.1
1 1/2	1740	145T	ECP3584T-5	†*	721	L1	0528M	12.75	68	86.5	H	1.6
2	1725	145T	ECP3587T-5	†*	753	L1	0532M	12.75	71	86.5	H	2.2
3	1760	182T	ECP3661T-5	†*	953	L1	0628M	15.93	103	89.5	H	3.2
3	1160	213T	ECP3764T-5	†*	1339	L1	0736M	19.32	186	89.5	H	4.0
5	1750	184T	ECP3665T-5	†*	970	L1	0643M	15.93	124	90.2	H	5.2
5	1160	215T	ECP3768T-5	†*	1357	L1	0744M	19.32	205	89.5	H	6.4
7 1/2	1770	213T	ECP3770T-5	†*	1222	L1	0740M	19.32	178	91.7	H	8.0
7 1/2	1180	254T	ECP2276T-5	†*	1942	L1	0954M	23.25	267	91.7	H	8.7
10	1760	215T	ECP3774T-5	†*	1463	L1	0750M	19.32	215	91.7	H	10.1
10	1180	256T	ECP2332T-5	†*	2523	L1	0960M	23.25	286	91.7	H	11.5
15	1765	254T	ECP2333T-5	†*	1864	L1	0936M	23.25	255	92.4	H	14.8
15	1180	284T	ECP4100T-5	†*	2892	L1	1056M	27.56	425	93.0	H	15.9
20	1765	256T	ECP2334T-5	†*	2000	L1	0952M	23.25	286	93.0	H	19.2
20	1180	286T	ECP4102T-5	†*	3930	L1	1062M	27.56	452	93.0	H	20.6
25	1770	284T	ECP4103T-5	†*	2617	L1	1046M	27.56	479	93.6	H	23.9
25	1180	324T	ECP4111T-5	†*	4107	L1	1248M	30.16	554	93.0	H	25.3
30	1770	286T	ECP4104T-5	†*	3108	L1	1060M	27.56	446	94.1	H	29.0
40	1775	324T	ECP4110T-5	†*	4066	L1	1260M	30.16	578	94.5	H	36.8
50	1775	326T	ECP4115T-5	†*	4773	L1	1266M	30.16	670	94.5	H	45.6
60	1780	364T	ECP4314T-5	†*	6397	L1	1462M	32.84	808	95.0	H	55.0
75	1780	365T	ECP4316T-5	†*	7475	L1	1482M	32.84	847	95.4	H	69.2
100	1780	405T	ECP4400T-5	†*	9756	LS	1684M	38.03	1153	95.4	H	87.0
125	1780	444T	ECP4410T-5	†*	11533	LS	1876M	44.24	1327	95.4	H	111.5
150	1785	445T	ECP4406T-5	†*	13511	LS	1888M	44.24	1823	95.8	H	141.0
200	1785	447T	ECP4407T-5	†*	16254	LS	18136M	47.74	1836	96.2	H	179.0

NOTE: Voltage @ 60 Hz: H = 575 volts. See notes on pages 8 and 9, and inside back flap.

SHADED RATINGS ARE CAST IRON FRAMES

General
Information

Single Phase
Motors

General Purpose

Premium Efficient
Super-E® Motors

C-Face
Industrial Motors

Severe Duty
Motors

Washdown Duty
Motors

Explosion Proof
Motors

Pump Motors

Commercial
Motors

Three Phase - 460 & 230/460 Volts - C-Face



1 thru 25 Hp

NEMA 56C thru 326TC

Applications: Petro-chemical plants, mines, foundries, pulp and paper plants, waste management facilities, chemical plants, tropical climates and other processing industry applications requiring corrosion protection from severe environmental operating conditions.

Features: 1.15 Service Factor, corrosion resistant epoxy finish, regreasable ball bearings, oversized rotatable cast iron conduit box, cast iron frames, Forsheda shaft seal, moisture resistant copper windings, Class F insulation, tropicalization, stainless steel nameplate and corrosion resistant hardware. VECP and CECF Super-E motors have NEMA Premium® efficiency and 3 year warranty.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
C-Face less Base											
1	3450	56C	VECP3580-4	†*	599	K	0516M	12.69	56	84.0	1.4
1	3450	56C	VCP3580-4	†*	511	K	0513M	12.69	51	74.0	1.6
1	1750	56C	VECP3581	†*	741	K	0524M	13.85	66	86.5	1.4
1	1750	56C	VECP3581-4	†*	741	K	0524M	12.69	62	86.5	1.4
1	1725	56C	VCP3581	†*	486	K	0516M	12.69	54	77.0	1.7
1	1725	56C	VCP3581-4	†*	486	K	0516M	12.69	54	77.0	1.7
1	1750	143TC	VECP3581T	†*	741	L1	0524M	13.92	77	86.5	1.4
1	1750	143TC	VECP3681T-4	†*	741	L1	0524M	12.75	61	86.5	1.4
1	1740	143TC	VCP3581T	†*	486	L1	0518M	13.92	59	82.5	1.4
1	1725	143TC	VCP3581T-4	†*	486	L1	0516M	12.75	66	77.0	1.7
1	1150	145TC	VECP3582T	†*	817	L1	0528M	13.92	67	82.5	1.8
1	1140	145TC	VCP3582T	†*	707	L1	0526M	13.92	64	80.0	1.8
1 1/2	3450	143TC	VECP3583T-4	†*	677	L1	0524M	12.75	64	85.5	2.0
1 1/2	3450	143TC	VCP3583T-4	†*	578	L1	0516M	12.75	55	75.5	2.3
1 1/2	1740	145TC	VECP3584T	†*	755	L1	0528M	13.92	69	86.5	2.0
1 1/2	1740	145TC	VECP3584T-4	†*	755	L1	0528M	12.75	67	86.5	2.0
1 1/2	1740	145TC	VCP3584T	†*	611	L1	0524M	13.92	63	84.0	2.1
1 1/2	1725	145TC	VCP3584T-4	†*	611	L1	0520M	12.75	57	78.5	2.5
1 1/2	1170	182TC	VECP3667T	†*	971	L1	0634M	16.98	112	87.5	2.6
1 1/2	1160	182TC	VCP3667T	†*	829	L1	0625M	16.98	100	85.5	2.6
2	3450	145TC	VECP3586T-4	†*	755	L1	0532M	12.75	70	86.5	2.5
2	3450	145TC	VCP3586T-4	†*	663	L1	0524M	12.75	63	78.5	2.7
2	1725	145TC	VECP3587T	†*	786	L1	0532M	13.92	73	86.5	2.7
2	1725	145TC	VECP3587T-4	†*	786	L1	0532M	12.75	70	86.5	2.7
2	1740	145TC	VCP3587T	†*	625	L1	0528M	13.92	67	84.0	2.8
2	1725	145TC	VCP3587T-4	†*	625	L1	0528M	12.75	64	82.5	3.1
2	1170	184TC	VECP3664T	†*	984	L1	0640M	16.98	115	88.5	3.5
2	1160	184TC	VCP3664T	†*	774	L1	0632M	16.98	108	86.5	3.5
3	3500	182TC	VECP3660T-4	†*	963	L1	0628M	16.69	108	88.5	3.4
3	3450	182TC	VCP3660T-4	†*	868	L1	0620M	16.69	97	80.0	3.9
3	1760	182TC	VECP3661T	†*	1010	L1	0628M	16.98	106	89.5	4.0
3	1760	182TC	VECP3661T-4	†*	1010	L1	0628M	16.69	110	89.5	4.0
3	1750	182TC	VCP3661T	†*	889	L1	0628M	16.98	103	87.5	4.1
3	1725	182TC	VCP3661T-4	†*	889	L1	0623M	16.69	99	84.0	4.3
3	1160	213TC	VECP3764T	†*	1453	L1	0736M	21.11	211	89.5	5.0
3	1160	213TC	VCP3764T	†*	1235	L1	0729M	21.11	164	87.5	5.1

NOTE: Voltage @ 60 Hz: E = 208-230/460 volts, E1 = 230/460 volts usable at 208 volts, G = 460 volts.
See notes on pages 8 and 9, and inside back flap.

SHADED RATINGS ARE CAST IRON FRAMES

Three Phase - 460 & 230/460 Volts - C-Face continued...

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
5	3500	184TC	VECP3663T-4	†*	L1	0634M	16.69	112	89.5	G	5.7
5	3450	184TC	VCP3663T-4	†*	L1	0628M	16.69	108	85.5	G	6.0
5	1750	184TC	VECP3665T	†*	L1	0643M	16.98	125	90.2	E1	6.5
5	1750	184TC	VECP3665T-4	†*	L1	0643M	16.69	127	90.2	G	6.5
5	1725	184TC	VCP3665T	†*	L1	0634M	16.98	110	85.5	E	6.6
5	1725	184TC	VCP3665T-4	†*	L1	0634M	16.69	111	85.5	G	6.6
5	1160	215TC	VECP3768T	†*	L1	0744M	21.11	203	89.5	E1	8.0
7 1/2	3525	213TC	VECP3769T-4	†*	L1	0733M	20.06	198	91.0	G	8.6
7 1/2	3450	213TC	VCP3769T-4	†*	L1	0723M	20.06	158	84.0	G	9.1
7 1/2	1770	213TC	VECP3770T	†*	L1	0735M	21.11	178	91.7	E1	9.5
7 1/2	1770	213TC	VECP3770T-4	†*	L1	0735M	20.06	203	91.7	G	9.5
7 1/2	1750	213TC	VCP3770T	†*	L1	0735M	21.11	170	87.5	E	10.0
7 1/2	1750	213TC	VCP3770T-4	†*	L1	0735M	20.06	173	87.5	G	10.0
7 1/2	1180	254TC	VECP2276T	†*	L1	0954M	25.88	303	91.7	E1	10.7
7 1/2	1175	254TC	VCP2276T	†*	L1	0940M	25.88	258	89.5	E1	10.8
10	3500	215TC	VECP3771T-4	†*	L1	0744M	20.06	203	91.7	G	11.2
10	3450	215TC	VCP3771T-4	†*	L1	0735M	20.06	206	85.5	G	12.0
10	1760	215TC	VECP3774T	†*	L1	0748M	21.11	196	92.4	E1	12.5
10	1760	215TC	VECP3774T-4	†*	L1	0748M	20.06	196	92.4	G	12.5
10	1760	215TC	VCP3774T	†*	L1	0740M	21.11	177	89.5	E	14.2
10	1725	215TC	VCP3774T-4	†*	L1	0740M	20.06	194	87.5	G	13.5
10	1180	256TC	VECP2332T	†*	L1	0960M	25.88	322	91.7	E1	14.2
10	1170	256TC	VCP2332T	†*	L1	0936M	25.88	178	87.5	E1	15.0
15	1765	254TC	VECP2333T	†*	L1	0936M	25.88	238	92.4	E1	18.5
15	1760	254TC	VCP2333T	†*	L1	0938M	25.88	255	91.0	E1	18.1
15	1180	284TC	VECP4100T	†*	L1	1056M	30.31	422	93.0	E1	19.7
15	1175	284TC	VCP4100T	†*	L1	0960M	25.85	322	90.2	E1	21.0
20	1765	256TC	VECP2334T	†*	L1	0948M	25.88	286	93.0	E1	24.0
20	1760	256TC	VCP2334T	†*	L1	0938M	25.88	258	91.0	E1	24.0
20	1175	286TC	VECP4102T	†*	L1	1062M	30.31	451	93.0	E1	26.0
20	1175	286TC	VCP4102T	†*	L1	1040M	30.31	382	90.2	E1	27.0
25	1770	284TC	VECP4103T	†*	L1	1046M	30.31	391	93.6	E1	30.0
25	1760	284TC	VCP4103T	†*	L1	0956M	25.85	320	92.4	E1	29.0
25	1180	324TC	VECP4111T	†*	L1	1256M	33.03	578	93.0	E1	32.0
25	1180	324TC	VCP4111T	†*	L1	1252M	33.03	575	91.7	E1	31.0

C-Face with Base

1	1750	143TC	CECP3581T	†*	L1	0524M	13.38	62	86.5	E	1.4
1 1/2	1740	145TC	CECP3584T	†*	L1	0528M	13.38	62	86.5	E	2.0
2	1725	145TC	CECP3587T	†*	L1	0532M	13.38	64	86.5	E	2.7
3	1760	182TC	CECP3661T	†*	L1	0628M	16.69	118	89.5	E1	4.0
5	1750	184TC	CECP3665T	†*	L1	0643M	16.69	133	90.2	E1	6.5
7 1/2	1770	213TC	CECP3770T	†*	L1	0735M	20.06	178	91.7	E1	9.5
10	1760	215TC	CECP3774T	†*	L1	0748M	20.06	196	92.4	E1	12.5
15	1765	254TC	CECP2333T	†*	L1	0936M	23.75	255	92.4	E1	18.5
20	1765	256TC	CECP2334T	†*	L1	0952M	23.75	303	93.0	E1	24.0
25	1770	286TC	CECP4103T	†*	L1	1046M	27.58	372	93.6	E1	30.0
30	1770	286TC	CECP4104T	†*	L1	1060M	27.58	451	94.1	E1	36.0
40	1775	324TC	CECP4110T	†*	L1	1260M	30.28	482	94.5	E1	46.0
50	1775	326TC	CECP4115T	†*	L1	1266M	30.28	635	94.5	E1	57.0

NOTE: Voltage @ 60 Hz: E = 208-230/460 volts, E1 = 230/460 usable at 208 volts, G = 460 volts.
See notes on pages 8 and 9, and inside back flap.

SHADED RATINGS ARE CAST IRON FRAMES

General
Information

Single Phase
Motors

General Purpose

Premium Efficient
Super-E® Motors

C-Face
Industrial Motors

Severe Duty
Motors

Washdown Duty
Motors

Explosion Proof
Motors

Pump Motors

Commercial
Motors

Three Phase - IEEE 841- 1 thru 250 Hp

460 Volts, Rigid Base and C-Face

NEMA 143T thru 449T

Applications: Petro-chemical, pulp & paper, cement, aggregate, mining and other process industries requiring premium efficient motors designed, manufactured and tested to exceed IEEE 841-2001 TEFC motor standards for extreme severe duty service.

Features: Upgraded electrical and mechanical design with NEMA Premium® efficient winding using Baldor ISR® (Inverter Spike Resistant) magnet wire. Inpro/Seal® VBX (thru 210 frame) and VBXX bearing isolators on fan and drive end shaft extensions and epoxy paint provides IP56 enclosure. Oversized bearings on both ends of motor with improved grease-through lubrication design. Balance measurement pads on endplates. Stainless breather drains. Proprietary cast iron frames for reduced vibration and noise. Terminal lugs on motor leads. Final test and vibration results shipped with motor. Enhanced motor nameplate data. Complies with DuPont, Weyerhaeuser, GM 7E-TA and many other corporate specifications. 5-year warranty.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number		List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
1	3450	143T	ECP83580T-4	†*	627	L1	0516M	12.88	56	84.0	G	1.4
1	1750	143T	ECP83581T-4	†*	777	L1	0524M	12.88	62	85.5	G	1.4
1	1150	145T	ECP83582T-4	†*	833	L1	0528M	12.88	66	82.5	G	1.8
1 1/2	3450	143T	ECP83583T-4	†*	670	L1	0524M	12.88	65	85.5	G	2.0
1 1/2	1740	145T	ECP83584T-4	†*	791	L1	0528M	12.88	66	86.5	G	2.0
1 1/2	1160	182T	ECP83667T-4	†*	960	L1	0632M	15.93	108	86.5	G	2.6
2	3450	145T	ECP83586T-4	†*	787	L1	0535M	12.88	72	86.5	G	2.4
2	1725	145T	ECP83587T-4	†*	826	L1	0532M	12.88	73	86.5	G	2.7
2	1160	184T	ECP83664T-4	†*	889	L1	0640M	15.93	118	87.5	G	3.6
3	3450	182T	ECP83660T-4	†*	994	L1	0632M	15.93	106	88.5	G	3.4
3	1760	182T	ECP83661T-4	†*	1046	L1	0628M	15.93	106	89.5	G	4.0
3	1160	213T	ECP83764T-4	†*	1455	L1	0736M	19.32	186	89.5	G	5.0
5	3450	184T	ECP83663T-4	†*	1225	L1	0643M	15.93	110	89.5	G	5.6
5	1750	184T	ECP83665T-4	†*	1066	L1	0643M	15.93	124	90.2	G	6.5
5	1160	215T	ECP83768T-4	†*	1504	L1	0744M	19.32	195	89.5	G	8.0
7 1/2	3450	213T	ECP83769T-4	†*	1600	L1	0740M	19.32	197	91.0	G	8.1
7 1/2	1765	213T	ECP83770T-4	†*	1343	L1	0737M	19.32	186	91.7	G	9.5
7 1/2	1180	254T	ECP82276T-4	†*	2171	L1	0954M	25.50	286	91.7	G	10.7
10	3450	215T	ECP83771T-4	†*	1703	L1	0750M	19.32	203	91.7	G	10.7
10	1760	215T	ECP83774T-4	†*	1591	L1	0750M	19.32	196	91.7	G	12.6
10	1180	256T	ECP82332T-4	†*	2771	L1	0960M	25.06	297	91.7	G	14.1
15	3510	254T	ECP82394T-4	†*	2217	L1	0934M	25.50	361	91.7	G	17.0
15	1765	254T	ECP82333T-4	†*	2048	L1	0942M	25.50	255	92.4	G	17.6
15	1180	284T	ECP84100T-4	†*	3202	L1	1050M	27.93	519	92.4	G	19.5
20	3540	256T	ECP84106T-4	†*	2542	L1	0944M	25.50	383	92.4	G	23.0
20	1765	256T	ECP82334T-4	†*	2215	L1	0952M	25.50	286	93.0	G	24.0
20	1180	286T	ECP84102T-4	†*	4315	L1	1060M	27.93	542	92.4	G	25.0
25	3530	284TS	ECP84107T-4	†*	3109	L1	1038M	27.24	391	93.0	G	28.0
25	1770	284T	ECP84103T-4	†*	2873	L1	1046M	27.93	519	93.6	G	30.0
25	1180	324T	ECP84111T-4	†*	4548	L1	1256M	30.16	581	91.7	G	32.0
30	3530	286TS	ECP84108T-4	†*	3723	L1	1042M	26.56	527	93.0	G	33.0
30	1770	286T	ECP84104T-4	†*	3382	L1	1060M	27.93	436	93.6	G	35.0
30	1180	326T	ECP84117T-4	†*	5919	L1	1260M	30.16	608	91.7	G	39.0
40	3540	324TS	ECP84109T-4	†*	5095	L1	1244M	29.03	517	93.6	G	45.0
40	1775	324T	ECP84110T-4	†*	4504	L1	1260M	30.16	578	94.5	G	46.0
40	1185	364T	ECP84308T-4	†*	7246	L1	1468M	32.84	806	94.1	G	50.5
50	3540	326TS	ECP84114T-4	†*	5315	L1	1252M	29.03	572	94.1	G	54.2
50	1775	326T	ECP84115T-4	†*	5289	L1	1272M	30.53	657	94.5	G	57.0
50	1185	365T	ECP84312T-4	†*	7717	L1	1474M	32.84	851	94.1	G	61.0

NOTE: Voltage @ 60 Hz: G = 460 volts. See notes on pages 8 and 9, and inside back flap.

SHADED RATINGS ARE CAST IRON FRAMES

Three Phase - IEEE 841 - 460 Volts, Rigid Base and C-Face continued...

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	
60	3560	364TS	ECP84310T-4	†*	7855	L1	1458M	30.72	749	94.5	G	67.0
60	1780	364T	ECP84314T-4	†*	7024	L1	1462M	32.84	808	95.0	G	69.0
60	1185	404T	ECP84403T-4	†*	10003	D3	1672M	38.03	1110	94.5	G	72.5
75	3565	365TS	ECP84313T-4	†*	8700	L1	1472M	30.72	808	94.5	G	83.0
75	1780	365T	ECP84316T-4	†*	8169	L1	1486M	32.84	911	95.4	G	84.0
75	1185	405T	ECP84404T-4	†*	12117	D3	1680M	38.03	1172	95.0	G	88.0
100	3560	405TS	ECP84402T-4	†*	10427	D3	1658M	35.03	1074	95.0	G	110.0
100	1780	405T	ECP84400T-4	†*	10904	D3	1684M	38.03	1234	95.4	G	109.0
100	1180	444T	ECP84409T-4	†*	13328	D3	1888M	45.37	1757	95.4	G	120.0
125	3570	444TS	ECP84412T-4	†*	12194	D3	1852M	40.50	1264	95.4	G	136.0
125	1780	444T	ECP84410T-4	†*	12369	D3	1872M	45.37	1706	95.4	G	143.0
125	1190	445T	ECP84411T-4	†*	15128	L1	18100M	45.37	1857	95.4	G	150.0
150	3570	445TS	ECP84413T-4	†*	14014	D3	1876M	40.50	1275	95.8	G	161.0
150	1785	445T	ECP84406T-4	†*	14628	D3	1896M	45.37	1466	95.8	G	170.0
150	1190	447T	ECP844156T-4	†*	16815	D3	18108M	47.74	1776	95.8	G	173.0
200	3570	447TS	ECP84416T-4	†*	18527	D3	1876M	49.00	2300	95.8	G	220.0
200	1785	447T	ECP84407T-4	†*	17599	D3	18136M	47.74	2064	96.2	G	224.0
200	1180	449T	ECP844206T-4	†*	22339	D3	18128M	53.80	2465	95.8	G	236.0
250	3570	449TS	ECP844252T-4	†*	29496	D3	18104M	49.00	2300	95.8	G	272.0
250	1785	449T	ECP84408T-4 (1)	†*	22199	D3	18168M	52.68	2345	95.8	G	275.0
250	1180	449TY	ECP844256T-4	†*	30982	D3	18164M	54.35	2300	95.8	G	294.0

C-Face with Base

1	3450	143TC	CECP83580T-4	†*	658	L1	0516M	13.38	59	84.0	G	1.4
1	1750	143TC	CECP83581T-4	†*	807	L1	0524M	13.38	67	85.5	G	1.4
1 1/2	3450	143TC	CECP83583T-4	†*	701	L1	0524M	13.38	66	85.5	G	2.0
1 1/2	1740	145TC	CECP83584T-4	†*	822	L1	0528M	13.38	82	86.5	G	2.0
2	3450	145TC	CECP83586T-4	†*	819	L1	0535M	13.38	86	86.5	G	2.4
2	1725	145TC	CECP83587T-4	†*	856	L1	0532M	13.38	73	86.5	G	2.7
3	3450	182TC	CECP83660T-4	†*	1053	L1	0632M	16.69	113	88.5	G	3.4
3	1760	182TC	CECP83661T-4	†*	1116	L1	0628M	16.69	113	89.5	G	4.0
5	3450	184TC	CECP83663T-4	†*	1281	L1	0643M	16.69	118	89.5	G	5.6
5	1750	184TC	CECP83665T-4	†*	1122	L1	0643M	16.69	133	90.2	G	6.5
7 1/2	3450	213TC	CECP83769T-4	†*	1661	L1	0740M	20.06	173	91.0	G	8.1
7 1/2	1770	213TC	CECP83770T-4	†*	1422	L1	0737M	20.06	178	91.7	G	9.5
10	3450	215TC	CECP83771T-4	†*	1762	L1	0750M	20.06	198	91.7	G	10.7
10	1760	215TC	CECP83774T-4	†*	1719	L1	0750M	20.06	196	91.7	G	12.6
15	3510	254TC	CECP82394T-4	†*	2411	L1	0934M	25.94	221	91.7	G	17.0
15	1765	254TC	CECP82333T-4	†*	2354	L1	0942M	25.94	255	92.4	G	17.6
20	3540	256TC	CECP84106T-4	†*	2735	L1	0944M	26.00	258	92.4	G	23.0
20	1765	256TC	CECP82334T-4	†*	2490	L1	0952M	26.00	286	93.0	G	24.0
25	3530	284TSC	CECP84107T-4	†*	3731	L1	1038M	27.24	383	93.0	G	28.0
25	1770	284TC	CECP84103T-4	†*	3496	L1	1046M	28.61	422	93.6	G	30.0
30	3530	284TSC	CECP84108T-4	†*	4345	L1	1042M	27.24	407	93.0	G	33.0
30	1770	286TC	CECP84104T-4	†*	4004	L1	1060M	28.61	451	94.1	G	36.0
40	3540	324TSC	CECP84109T-4	†*	5780	L1	1244M	30.50	517	93.6	G	45.0
40	1775	324TC	CECP84110T-4	†*	5190	L1	1260M	30.16	560	94.5	G	46.0
50	3540	326TSC	CECP84114T-4	†*	6001	L1	1252M	30.50	575	94.1	G	54.2
50	1775	326TC	CECP84115T-4	†*	5974	L1	1266M	30.16	634	94.5	G	57.0
60	3560	364TSC	CECP84310T-4	†*	8602	L1	1458M	31.13	749	94.5	G	67.0
60	1780	364TC	CECP84314T-4	†*	7771	L1	1462M	32.84	808	95.0	G	69.0
75	3565	365TSC	CECP84313T-4	†*	9447	L1	1472M	31.13	789	94.5	G	83.0
75	1780	365TC	CECP84316T-4	†*	8916	L1	1482M	32.84	889	95.4	G	86.5

NOTE: Voltage @ 60 Hz: G = 460 volts. See notes on pages 8 and 9, and inside back flap.

(1) ECP84408T-4 does not meet NEMA Premium® efficiency. A custom motor is available.

SHADED RATINGS ARE CAST IRON FRAMES

General
InformationSingle Phase
Motors

General Purpose

Premium Efficient
Super-E® MotorsC-Face
Industrial MotorsSevere Duty
MotorsWashdown Duty
MotorsExplosion Proof
Motors

Pump Motors

Commercial
Motors

Three Phase - IEEE 841 - 575 Volts, Rigid Base

1 thru 250 Hp **NEMA 143T thru 449T**
Meets NRC Canadian standards for efficiency.



Applications: Petro-chemical, pulp & paper, cement, aggregate, mining and other process industries requiring premium efficient motors designed, manufactured and tested to exceed IEEE 841-2001 TEFC motor standards for extreme severe duty service.

Features: Upgraded electrical and mechanical design with NEMA Premium® efficient winding using Baldor ISR® (Inverter Spike Resistant) magnet wire. Inpro/Seal® VBX (thru 210 frame) and VBXX bearing isolators on fan and drive end shaft extensions and epoxy paint provides IP56 enclosure. Oversized bearings on both ends of motor with improved grease-through lubrication design. Balance measurement pads on endplates. Stainless breather drains. Proprietary cast frames for reduced vibration and noise. Terminal lugs on motor leads. Final test and vibration results shipped with motor. Enhanced motor nameplate data. Complies with DuPont, Weyerhaeuser, GM 7E-TA and many other corporate specifications. 5-year warranty.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
1	1750	143T	ECP83581T-5	777	L1	0524M	12.75	64	85.5	H	1.1
1 1/2	1740	145T	ECP83584T-5	791	L1	0530M	12.75	68	86.5	H	1.6
2	1725	145T	ECP83587T-5	826	L1	0532M	12.75	70	86.5	H	2.2
3	1760	182T	ECP83661T-5	1046	L1	0628M	15.93	105	89.5	H	3.2
5	1750	184T	ECP83665T-5	1066	L1	0643M	15.93	124	90.2	H	5.2
7 1/2	1770	213T	ECP83770T-5	1343	L1	0740M	19.32	178	91.7	H	8.0
10	1760	215T	ECP83774T-5	1591	L1	0750M	19.32	196	91.7	H	10.1
15	1765	254T	ECP82333T-5	2048	L1	0936M	25.50	255	92.4	H	14.8
20	1765	256T	ECP82334T-5	2215	L1	0952M	25.50	286	93.0	H	19.2
25	1770	284T	ECP84103T-5	2873	L1	1046M	27.93	415	93.6	H	23.9
30	1770	286T	ECP84104T-5	3382	L1	1060M	27.93	424	94.1	H	29.0
40	1775	324T	ECP84110T-5	4504	L1	1260M	30.16	618	93.6	H	36.8
50	1775	326T	ECP84115T-5	5289	L1	1266M	30.16	628	94.5	H	45.6
60	1780	364T	ECP84314T-5	7024	L1	1462M	32.84	808	95.0	H	55.0
75	1780	365T	ECP84316T-5	8169	L1	1482M	32.84	689	95.4	H	69.2
100	1780	405T	ECP84400T-5	10904	D3	1684M	38.03	1239	95.4	H	87.0
125	1780	444T	ECP84410T-5	12369	D3	1876M	45.37	1449	95.4	H	112.0
150	1785	445T	ECP84406T-5	14628	D3	1888M	45.37	1672	95.8	H	141.0
200	1785	447T	ECP84407T-5	17599	D3	18136M	47.74	2030	96.2	H	179.0
250	1785	449T	ECP84408T-5 (1)	22199	D3	18168M	52.68	2691	95.8	H	220.0

NOTE: Voltage @ 60 Hz: H = 575 volts. See notes on pages 8 and 9, and inside back flap.

(1) ECP84408T-5 does not meet NEMA Premium® efficiency. A custom motor is available.

SHADED RATINGS ARE CAST IRON FRAMES

Three Phase - Medium Voltage - 2300/4160 Volts, Rigid Base

200 thru 500 Hp
NEMA 449TS thru 5011L


Applications: Petro-chemical plants, mines, foundries, pulp and paper plants, waste management facilities, chemical plants, tropical climates and other processing industry applications requiring corrosion protection from severe conditions.

Features: Form coil VPI construction, copper bar rotor⁽¹⁾, all cast iron, NEMA Premium® efficiency three year warranty. Includes 100 ohm platinum winding RTDs and space heaters.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number		List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
200	3560	449TS	ECP44202T-2341	†*	31890	D3	18124M	48.93	2016	94.1	O	25.0
200	1785	449T	ECP44204T-2341	†*	30993	D3	18136M	52.65	1825	94.1	O	26.0
250	3580	5007SY	ECP50252S-2341	†*	46879	D3	20109M	54.03	3600	95.0	O	31.0
250	1790	5007L	ECP50254L-2341	†*	40784	D3	20113M	56.93	3772	95.0	O	31.0
250	1190	5009L	ECP50256L-2341	†*	54945	D3	20137M	62.93	4691	95.4	O	33.0
300	3578	5007SY	ECP50302S-2341	†*	56312	D3	20121M	54.03	4267	95.4	O	36.0
300	1790	5009L	ECP50304L-2341	†*	48908	D3	20133M	62.93	4700	95.4	O	37.0
300	1190	5011LY	ECP50306L-2341	†*	58304	D3	20153M	72.05	5650	95.4	O	40.0
350	1790	5011LY	ECP50354L-2341	†*	52499	D3	20137M	72.05	5650	95.4	O	43.0
350	1190	5011LY	ECP50356L-2341	†*	62997	D3	20177M	72.05	5188	95.4	O	45.0
400	3580	5007SY	ECP50402S-2341	†*	64757	D3	20129M	54.03	4207	95.4	O	48.0
400	1790	5011LY	ECP50404L-2341	†*	56088	D3	20141M	72.05	4674	95.4	O	50.0
400	1190	5011LY	ECP50406L-2341	†*	67143	D3	20217M	72.05	5556	95.4	O	52.0
450	1790	5011LY	ECP50454L-2341	†*	59682	D3	20153M	72.05	5650	95.4	O	56.0
450	1190	5011LY	ECP50456L-2341	†*	72393	D3	20241M	72.05	5650	95.4	O	58.0
500	3580	5009SY	ECP50502S-2341	†*	75622	D3	20169M	60.03	4724	95.8	O	60.0
500	1790	5011LY	ECP50504L-2341	†*	63272	D3	20169M	72.05	5000	95.8	O	60.0
500	1190	5011LY	ECP50506L-2341	†◆	77089	D3	20241M	72.05	5754	95.4	O	65.0

NOTE: Voltage @ 60 Hz: O = 2300/4160 volts. All motors 449T through 5000 frame have ball bearings suitable for coupled loads. If load is belted, a roller bearing may be required. Contact your local Baldor office. Motors with 5007SY, 5009SY and 5011LY have non-standard "BA" due to drive end bearing cooling fan. Please refer to layout drawing. ⁽¹⁾ Copper bar rotor standard on 5000 frame motors only. See notes on pages 8 and 9, and inside back flap. Custom TEFC motors available through 900 Hp; Open and WPII motors through 1250 Hp. Contact your Baldor Sales Representative.

SHADED RATINGS ARE CAST IRON FRAMES

General
Information

Single Phase
Motors

General Purpose

Premium Efficient
Super-E® Motors

C-Face
Industrial Motors

Severe Duty
Motors

Washdown Duty
Motors

Explosion Proof
Motors

Pump Motors

Commercial
Motors

Three Phase - Quarry Duty Motors - TEFC, Design C, High Torque

1 thru 15 Hp

NEMA 56C thru 254T

Applications: Conveyors, gear reducers and applications requiring Design C torques.

Features: Cast iron frame, Class F insulation, Class B rise. UL and CSA recognized component approval.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
Foot Mount - Rigid Base											
2	1725	145T	M3558T-9	416	L1	3528M	13.31	45	82.5	E	3.1
3	1725	182T	M3611T-9	†*	L1	3623M	15.17	60	82.5	E	4.3
5	1750	184T	M3615T-9	†*	L1	3640M	18.05	89	88.5	F	6.6
7 1/2	1725	213T	M3710T-9	†*	L1	3735M	17.89	123	85.5	F	9.7
10	1755	215T	M3714T-9	†*	L1	3742M	19.01	141	87.5	F	12.5
15	1760	254T	M2333T-9	†*	L1	0934M	23.16	239	87.5	E1	18.8
C-Face less Base											
1	1725	56C	VM3581	†*	K	0516M	13.00	50	77.0	E	1.7
1	1725	143TC	VM3581T	†*	L1	0516M	13.04	50	77.0	E	1.7
1 1/2	1725	145TC	VM3584T	†*	L1	0520M	13.04	51	78.5	E	2.5
2	1725	145TC	VM3587T	†*	L1	0528M	13.04	59	82.5	E	3.1
3	1725	182TC	VM3661T-9	†*	L1	0623M	15.99	88	84.0	F	4.3
5	1725	184TC	VM3665T-9	†*	L1	0634M	15.99	100	85.5	F	6.6

NOTE: Voltage @ 60 Hz: E = 208-230/460, E1 = 230/460 volt, usable on 208 volt, F = 230/460 volts.
See notes on pages 8 and 9, and inside back flap.

SHADED RATINGS ARE CAST IRON FRAMES

Three Phase - Crusher Motors -TEFC, 460 Volt, Rigid Base

100 thru 300 Hp

NEMA 405T thru 449T

Applications: Belt-driven rock crushers, pellet mills, and other applications requiring motors rated for severe duty service and high starting torques.

Features: High torque design exceeds NEMA Design C locked rotor, pull up, and breakdown torques. 1.15 Service Factor. Corrosion resistant epoxy finish. Regreasable bearings. Oversize, rotatable cast iron conduit box. Forsheda® shaft seal. Moisture resistant copper windings with Class F tropicalized insulation. Stainless steel nameplate and corrosion resistant hardware. Pulley end roller bearings and high strength steel shaft for belted loads only; not suitable for direct coupled loads.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
100	1775	405T	CR4400TR-4	†*	L1	1672M	36.88	1114	93.0	G	116.0
100	1180	444T	CR4409TR-4	†*	L1	1896M	44.24	1662	94.1	G	124.0
125	1785	444T	CR4410TR-4	†*	L1	1884M	44.24	1495	94.5	G	143.0
125	1180	445T	CR4411TR-4	†*	L1	18112M	47.74	1837	95.0	G	153.0
150	1785	445T	CR4406TR-4	†*	L1	1896M	44.24	1662	95.0	G	172.0
150	1180	447T	CR44156TR-4	†*	L1	18128M	47.74	2078	95.0	G	182.0
200	1785	447T	CR4407TR-4	†*	L1	18112M	47.74	1837	95.0	G	229.0
200	1185	449TY	CR44206TR-4	†*	L1	18128M	54.35	1837	93.6	G	244.0
250	1780	449TY	CR4408TR-4	†*	L1	18112M	54.35	1859	94.5	G	282.0
250	1185	449TY	CR44256TR-4	††	L1	18180M	54.35	2691	94.1	G	298.0
300	1185	449TY	CR44306TR-4	†*	D3	18184M	54.35	2757	95.4	G	372.0

NOTE: Voltage @ 60 Hz: G= 460.

See notes on pages 8 and 9, and inside back flap. NEMA 449TY is non-standard "BA" due to drive end bearing cooling fan.

SHADED RATINGS ARE CAST IRON FRAMES

Three Phase -

Dirty



1/2 thru 20 Hp

NEMA 56 thru 256T

Applications: Petro-chemical plants, mines, foundries, pulp and paper plants, waste management facilities, chemical plants, tropical climates and other processing industry applications requiring corrosion protection from severe conditions.

Features: 1.0 Service Factor at 50°C ambient, weatherproof per IEEE 45 and USCG 259 marine duty (below deck duty only). 416 stainless steel shaft for corrosion protection from severe conditions.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	
Foot Mount - Rigid Base												
1/2	1725	56	M8001	†*	408	K	3416M	11.35	26	74.0	E1	1.0
3/4	1725	56	M8002	†*	519	K	3420M	11.35	29	75.5	E1	1.5
1	1725	56	M8003	†*	567	K	3426M	12.85	35	78.5	E	1.7
1	1740	143T	M8003T	†*	639	L1	0518M	12.75	60	82.5	E	1.4
1 1/2	1740	145T	M8004T	†*	625	L1	0524M	12.75	64	84.0	E	2.1
2	1740	145T	M8005T	†*	662	L1	0528M	12.75	67	84.0	E	2.8
3	1750	182T	M8006T	†*	858	L1	0628M	15.93	104	87.5	E	4.1
5	1750	184T	M8007T	†*	965	L1	0638M	15.93	117	87.5	E	6.7
7 1/2	1760	213T	M8008T	†*	1176	L1	0728M	19.32	191	89.5	E	9.8
10	1760	215T	M8009T	†*	1397	L1	0733M	19.32	203	89.5	E	13.0
15	1760	254T	M8010T	†*	1998	L1	0756M	21.94	260	91.0	F	18.5
20	1760	256T	M8014T	†*	2429	L1	0938M	23.25	262	91.0	E1	24.0
C-Face, No Drip Cover, less Base												
1/2	1725	56C	VM8001	†*	426	K	3416M	11.35	27	74.0	E1	1.0
3/4	1725	56C	VM8002	†*	537	K	3420M	11.35	30	75.5	E1	1.5
1	3450	56C	VM8012	†*	530	K	3416M	11.35	28	75.5	E1	1.8
1	1725	56C	VM8003	†*	579	K	3426M	12.85	36	78.5	E	1.7
1	1725	143TC	VM8003T	†*	605	L1	0516M	13.25	56	77.0	E	1.7
1 1/2	1725	56C	VM8004	†*	617	K	3520M	12.24	41	78.5	E	2.5
1 1/2	1725	145TC	VM8004T	†*	593	L1	0520M	13.25	60	78.5	E	2.5
2	3450	145TC	VM8016T	†*	666	L1	0524M	13.25	64	78.5	E	2.7
2	1725	145TC	VM8005T	†*	626	L1	0528M	13.25	64	82.5	E	3.1
3	1725	182TC	VM8006T	†*	852	L1	0623M	16.69	98	84.0	E	4.3
5	1725	184TC	VM8007T	††	952	L1	0634M	16.69	113	85.5	E	6.6
7 1/2	1750	213TC	VM8008T	†*	1229	L1	0735M	20.06	180	87.5	E	10.0
10	1750	215TC	VM8024T	††	1382	L1	0740M	20.06	185	87.5	E	13.5

NOTE: Voltage @ 60 Hz: E = 208-230/460 volts, E1= 230/460 usable at 208 volts, F= 230/460 volts.
See notes on pages 8 and 9, and inside back flap.

Dirty duty not recommended for a chlorine atmosphere.

SHADED RATINGS ARE CAST IRON FRAMES

General
Information

Single Phase
Motors

General Purpose

Premium Efficient
Super-E® Motors

C-Face
Industrial Motors

Severe Duty
Motors

Washdown Duty
Motors

Explosion Proof
Motors

Pump Motors

Commercial
Motors

Single and Three Phase - 1/2 thru 20 Hp TENV and TEFC

NEMA 56/56C thru 256TC

Applications: Food processing and other applications that regularly expose the motor to high pressure wash down.

Features: 300 series stainless steel hardware, moisture sealant on bolt heads, between frame and endplates. Neoprene gaskets. Double sealed bearings. Forsheda® running contact v-ring slinger. Stainless steel shaft extension. Electrostatically applied epoxy finish. Class F insulation. Tropicalized. EWDM, CEWDM and VEWDM Super-E® motors have NEMA Premium® efficiency and 3 year warranty.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number		List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
Single Phase, C-Face with Base												
1/2	1725	56C	CWDL3504	†*	431	K	3520L	12.23	34	64.0	B1	4.0
3/4	1725	56C	CWDL3507	†*	502	K	3520L	12.23	36	68.0	B1	5.5
1	3450	56C	CWDL3509	†*	437	K	3520L	12.23	37	68.0	B1	5.9
1	1725	56C	CWDL3510	†*	579	K	3524L	13.23	40	67.0	B1	6.4
1 1/2	3450	56C	CWDL3513	†*	582	K	3524L	13.23	42	70.0	B1	8.0
1 1/2	1725	56C	CWDL3514	†*	692	K	3532LC	14.12	48	75.5	B1	8.0
Single Phase, C-Face less Base												
1/2	1725	56C	VWDL3504	†*	413	K	3520L	12.25	32	64.0	B1	4.0
3/4	1725	56C	VWDL3507	†*	486	K	3520L	12.25	35	68.0	B1	5.5
1	1725	56C	VWDL3510	†*	557	K	3524L	13.25	39	67.0	B1	6.4
1 1/2	1725	56C	VWDL3514	†*	669	K	3532LC	14.10	50	75.5	B1	8.0
Three Phase, Rigid Base												
1/2	1725	56	WDM3538	†*□	432	K	3516M	11.07	30	75.5	E1	0.8
3/4	1725	56	WDM3542	†*□	462	K	3520M	11.07	32	80.0	E1	1.1
1	1740	143T	EWDM3546T	†*□	629	L1	3526M	12.12	42	86.5	E	1.4
1	1725	143T	WDM3546T	†*□	485	L1	3524M	12.12	39	81.5	E	1.6
1 1/2	1740	145T	EWDM3554T	†*□	690	L1	3532M	13.00	47	86.5	E1	2.0
1 1/2	1725	145T	WDM3554T	†*□	530	L1	3535M	13.00	48	82.5	E	2.1
2	1725	145T	EWDM3558T	†*	811	L1	3532M	14.18	49	86.5	E	2.7
2	1740	145T	WDM3558T	†*	589	L1	3532M	14.18	43	84.0	E	2.8
3	1760	182T	EWDM3611T	†*	1013	L1	3628M	16.54	71	89.5	E	4.1
3	1750	182T	WDM3611T	†*	779	L1	3628M	16.54	71	87.5	E	4.1
5	1750	184T	EWDM3615T	†*	1154	L1	3643M	18.03	92	90.2	E1	6.5
5	1750	184T	WDM3615T	†*	889	L1	3633M	16.54	78	87.5	E	7.1
7 1/2	1770	213T	EWDM3710T	†*	1445	L1	3736M	19.04	147	91.7	E1	9.4
7 1/2	1760	213T	WDM3710T	†*	1110	L1	3730M	17.89	127	89.5	E	9.8
10	1760	215T	EWDM3714T	†*	1574	L1	3752M	20.54	160	92.4	E1	12.5
10	1760	215T	WDM3714T	†*	1181	L1	3738M	19.04	139	89.5	E	12.8
Three Phase, C-Face with Base												
1/2	3450	56C	CWDM3537	†♦□	420	K	3513M	11.07	27	70.0	E	0.9
1/2	1725	56C	CWDM3538	†*□	456	K	3516M	11.07	32	75.5	E1	0.8
1/2	1140	56C	CWDM3539	†*□	576	K	3524M	12.07	37	66.0	E1	1.0
3/4	3450	56C	CWDM3541	†*□	441	K	3518M	11.07	33	80.0	E1	1.1
3/4	1725	56C	CWDM3542	†*□	495	K	3520M	11.07	35	80.0	E1	1.1
3/4	1140	56C	CWDM3543	†*□	695	K	3532M	12.94	46	78.5	E	1.3
1	3450	56C	CWDM3545	†*□	522	K	3516M	11.07	33	82.5	F	1.3
1	1725	56C	CWDM3546	†*□	530	K	3524M	12.07	37	81.5	E	1.6
1	1740	143TC	CEWDM3546T	†*□	723	L1	3526M	12.13	43	86.5	E	1.4
1	1725	143TC	CWDM3546T	†*□	545	L1	3524M	12.13	39	81.5	E	1.6
1	1150	56C	CEWDM3556	†*	795	K	3528M	13.24	44	82.5	E	1.8
1	1140	56C	CWDM3556	†*	672	K	3524M	13.24	38	75.5	E	1.7

NOTE: Voltage @ 60 HZ: E = 208-230/460 Volts, B1= 115/230 usable at 208 volts, E1=230/460 usable at 208 volts, F = 230/460 volts.
See notes on pages 8 and 9, and inside back flap.

Single and Three Phase - TENV and TEFC continued...

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
1 1/2	3500	56C	CEWDM3550	†*	K	3528M	12.07	42	85.5	E	2.0
1 1/2	3450	56C	CWDM3550	†*	K	3535M	12.94	32	75.5	F	2.1
1 1/2	1740	145TC	CEWDM3554T	†*	L1	3532M	13.00	48	86.5	E1	2.0
1 1/2	1725	56C	CWDM3554	†*	K	3520M	12.24	34	78.5	E	2.5
1 1/2	1725	145TC	CWDM3554T	†*	L1	3535M	13.00	48	82.5	E	2.1
1 1/2	1140	56C	CWDM3557	†♦	K	3528M	13.24	42	75.5	F	2.5
2	3450	56HCY	CEWDM3555	†*	K	3532M	14.12	51	86.5	E	2.5
2	3450	56HCY	CWDM3555	†*	K	3524M	13.24	41	78.5	E	2.7
2	3450	145TC	CWDM3555T	†*	L1	3526M	13.30	44	84.0	E	2.6
2	1725	56C	CWDM3558	†*	K	3528M	13.24	43	82.5	E	3.1
2	1725	145TC	CEWDM3558T	†*	L1	3532M	14.17	50	86.5	E	2.7
2	1740	145TC	CWDM3558T	†*	L1	3532M	13.28	44	84.0	E	2.8
2	1160	184TC	CWDM3614T	†*	L1	3632M	16.54	74	86.5	E	3.5
3	3450	145TC	CWDM3559T	†*	L1	3535M	14.17	61	85.5	E	3.7
3	3450	182TC	CWDM3610T	†*	L1	3535M	15.18	61	85.5	E	3.7
3	1760	182TC	CEWDM3611T	†*	L1	3628M	16.54	75	89.5	E	4.1
3	1750	182TC	CWDM3611T	†*	L1	3628M	16.54	74	87.5	E	4.1
3	1160	213TC	CWDM3704T	†*	L1	3729M	18.65	110	87.5	E	5.1
5	3450	184TC	CWDM3613T	†*	L1	3626M	16.54	77	87.5	E	5.8
5	1750	184TC	CEWDM3615T	†*	L1	3643M	18.04	99	90.2	E1	6.5
5	1750	184TC	CWDM3615T	†*	L1	3633M	16.54	82	87.5	E	7.1
5	1160	215TC	CWDM3708T	†*	L1	3735M	18.65	123	87.5	E	8.1
7 1/2	3450	184TC	CWDM3616T	†*	L1	3640M	18.04	92	88.5	E	8.7
7 1/2	3450	213TC	CWDM3709T	†*	L1	3640M	18.54	101	88.5	E	8.7
7 1/2	1770	213TC	CEWDM3710T	†*	L1	3736M	19.78	150	91.7	E1	9.4
7 1/2	1760	213TC	CWDM3710T	†*	L1	3730M	18.65	131	89.5	E	9.8
7 1/2	1175	254TC	CWDM22976T	†*	L1	3940M	23.57	260	89.5	E	11.2
10	3500	215TC	CWDM3711T	†*	L1	3732M	18.65	128	89.5	E	11.5
10	1770	215TC	CEWDM3714T	†*	L1	3752M	21.27	162	92.4	F	12.5
10	1760	215TC	CWDM3714T	†*	L1	3738M	19.78	140	89.5	E	12.8
10	1175	256TC	CWDM23932T	†*	L1	3946M	23.57	275	89.5	E	15.3
15	3450	215TC	CWDM3713T	†*	L1	3750M	21.26	169	90.2	E	17.0
15	3450	254TC	CWDM23994T	†*	L1	3750M	21.94	195	90.2	E	17.0
15	1765	254TC	CEWDM23933T	†*	L1	3942M	23.57	226	92.4	F	18.0
15	1760	254TC	CWDM23933T	†*	L1	3940M	23.57	248	91.0	E1	17.3
20	3525	256TC	CWDM41906T	†*	L1	3948M	23.57	274	91.0	E1	22.7
20	1765	256TC	CEWDM23934T	†*	L1	3952M	23.57	280	93.0	F	24.0
20	1760	256TC	CWDM23934T	†*	L1	3952M	23.57	282	91.7	E1	23.0

Three Phase, C-Face less Base

1/2	1725	56C	VWDM3538	†*	K	3516M	11.06	31	75.5	E1	0.8
3/4	1725	56C	VWDM3542	†*	K	3520M	11.06	34	80.0	E1	1.1
1	1750	56C	VEWDM3546	†*	K	3532M	12.94	45	87.5	F	1.4
1	1725	56C	VWDM3546	†*	K	3524M	12.07	39	81.5	E	1.6
1	1750	143TC	VEWDM3546T	†*	L1	3532M	13.00	46	87.5	F	1.4
1	1725	143TC	VWDM3546T	†*	L1	3524M	12.13	39	81.5	E	1.6
1 1/2	1740	56C	VEWDM3554	†*	K	3532M	12.94	48	86.5	E1	2.0
1 1/2	1725	56C	VWDM3554	†*	K	3535M	12.94	48	82.5	E	2.1
1 1/2	1740	145TC	VEWDM3554T	†*	L1	3532M	13.00	47	86.5	E1	2.0
1 1/2	1725	145TC	VWDM3554T	†*	L1	3535M	13.00	48	82.5	E	2.1
2	1725	56C	VEWDM3558	†*	K	3532M	14.18	49	86.5	E	2.7
2	1725	56C	VWDM3558	†*	K	3528M	13.24	41	82.5	E	3.1
2	1725	145TC	VEWDM3558T	†*	L1	3532M	14.18	48	86.5	E	2.7
2	1725	145TC	VWDM3558T	†*	L1	3528M	13.30	42	82.5	E	3.1
3	1760	182TC	VEWDM3611T	†*	L1	3628M	16.54	72	89.5	E	4.1
3	1725	182TC	VWDM3611T	†*	L1	3535M	15.18	54	84.0	E	4.1
5	1750	184TC	VEWDM3615T	†*	L1	3643M	18.05	94	90.2	E1	6.5
5	1725	184TC	VWDM3615T	†*	L1	3634M	16.54	75	85.5	E	6.6

NOTE: Voltage @ 60 Hz: E = 208-230/460 Volts, E1 = 230/460 usable at 208 volts, F = 230/460 volts.
See notes on pages 8 and 9, and inside back flap.

General
Information

Single Phase
Motors

General Purpose
Motors

Premium Efficient
Super-E® Motors

C-Face
Industrial Motors

Severe Duty
Motors

Washdown Duty
Motors

Explosion Proof
Motors

Pump Motors

Commercial
Motors

Single and Three Phase - TENV and TEFC continued...

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
Three Phase, C-Face less Base continued...											
7 1/2	1770	213TC	VEWDM3710T	†*	L1	3736M	19.78	148	91.7	E1	9.4
7 1/2	1760	213TC	VWDM3710T	†*	L1	3725M	18.63	116	87.5	E	10.4
10	1760	215TC	VEWDM3714T	†*	L1	3752M	21.27	158	92.4	E	12.5
10	1725	215TC	VWDM3714T	†♦	L1	3740M	19.78	127	87.5	E	13.0
Three Phase, 575 Volt, C-Face with Base											
1/2	1725	56C	CWDM3538-5	†♦□	K	3516M	11.07	31	78.5	H	0.6
3/4	1725	56C	CWDM3542-5	†*□	K	3520M	11.07	34	80.0	H	0.9
1	1725	56C	CWDM3546-5	†*□	K	3524M	12.07	38	81.0	H	1.3
1 1/2	1725	145TC	CWDM3554T-5	†*□	L1	3535M	13.00	49	82.5	H	1.7
2	1740	145TC	CWDM3558T-5	†*	L1	3528M	13.30	46	84.0	H	2.2
3	1750	182TC	CWDM3611T-5	†*	L1	3628M	16.54	73	87.5	H	3.3
5	1750	184TC	CWDM3615T-5	†*	L1	3633M	16.54	84	87.5	H	5.7

NOTE: Voltage @ 60 Hz: E = 208-230/460 Volts, H = 575 volts, E1 = 230/460 usable at 208 volts. See notes on pages 8 and 9, and inside back flap.

Three Phase - Super-E Washdown Brake Motor - TEFC and TENV

1 thru 5 Hp

**NEMA
Premium** NEMA 56C thru 184TC

Applications: Food processing and other applications that regularly expose the motor to high pressure washdown.

Features: Standard NEMA BA dimension 300 series stainless steel hardware, moisture sealant on bolt heads, between frame and end plates. Neoprene gaskets. Spring set brake internally connected to the motor. Power off manual release. Resets automatically. Motors have NEMA Premium® Efficiency and inverter-ready. 230/460V brakes are connected in conduit box allowing for separate connection when used with an inverter.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	Brake Rating
1/2	1750	56C	CEWDBM3538	†*□	K	3516M	15.31	42	82.5	F	0.8	3
3/4	1740	56C	CEWDBM3542	†*□	K	3518M	15.31	46	82.5	F	1.1	6
1	1740	56C	CEWDBM3546	†*□	K	3526M	16.31	52	86.5	E	1.4	6
1	1740	143TC	CEWDBM3546T	†*□	L1	3526M	16.81	54	86.5	E	1.4	6
1 1/2	1740	145TC	CEWDBM3554T	†*□	L1	3532M	18.14	58	86.5	E1	2.0	10
2	1725	145TC	CEWDBM3558T	†*	L1	3532M	19.44	63	86.5	E	2.7	10
3	1760	182TC	CEWDBM3611T	†*	L1	3628M	15.56	92	89.5	E	4.1	15
5	1750	184TC	CEWDBM3615T	†*	L1	3643M	17.06	114	90.2	E1	6.5	25

NOTE: Voltage @ 60 Hz: E = 208-230/460 Volts, E1=230/460 usable at 208 volts, F = 230/460 volts, 60 Hz.

① Amps at 460V - double for 230V.

Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Three Phase - Washdown



1/2 thru 10 Hp

NEMA 56C thru 215TC



Applications: The most severe and corrosive applications, those which use intense high-pressure washdown, and marine applications.

Features: Proprietary bonded surface coating, stainless steel shaft extension, non-contact rotating labyrinth shaft seal on drive and fan ends, threaded drain ports, stainless steel plugs, gasketed and sealed conduit box, FDA approved surface coating. Weatherproof per IEEE45 and USCG259 marine duty (below deck duty only).

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
C-Face with Base											
1/2	1725	56C	CWAM3538	†*	K	3516M	11.05	38	75.5	E1	0.8
3/4	1725	56C	CWAM3542	†*	K	3520M	11.05	40	80.0	E1	1.1
1	3450	56C	CWAM3545	†*	K	3513M	12.28	36	74.0	E	1.6
1	1725	56C	CWAM3546	†*	K	3524M	12.05	45	81.5	E	1.6
1	1725	143TC	CWAM3546T	†*	L1	3524M	12.12	45	81.5	E	1.6
1	1140	56C	CWAM3556	†*	K	3524M	13.28	41	75.5	E	1.7
1 1/2	3450	56C	CWAM3550	†*	K	3516M	12.28	39	75.5	E	2.3
1 1/2	1725	145TC	CWAM3554T	†*	L1	3535M	13.00	55	82.5	E	2.1
1 1/2	1140	56C	CWAM3557	†*	K	3528M	13.28	46	75.5	F	2.5
2	3450	56C	CWAM3555	†*	K	3524M	13.28	37	78.5	E	2.7
2	1740	56C	CWAM3558	†*	K	3528M	13.28	52	84.0	E	2.8
2	1740	145TC	CWAM3558T	†*	L1	3528M	13.35	52	84.0	E	2.8
2	1160	184TC	CWAM3614T	†*	L1	3632M	16.60	79	86.5	E	3.5
3	3450	145TC	CWAM3559T	†*	L1	3535M	14.23	65	85.5	E	3.7
3	1750	182TC	CWAM3611T	†*	L1	3628M	16.60	89	87.5	E	4.1
3	1160	213TC	CWAM3704T	†*	L1	3729M	18.63	116	87.5	E	5.1
5	3450	184TC	CWAM3613T	†*	L1	3626M	16.60	85	87.5	E	5.8
5	1750	184TC	CWAM3615T	†*	L1	3633M	16.60	96	87.5	E	7.1
5	1160	215TC	CWAM3708T	†*	L1	3735M	18.63	128	87.5	E	8.1
7 1/2	3450	184TC	CWAM3616T	†*	L1	3640M	18.10	98	88.5	E	8.7
7 1/2	1760	213TC	CWAM3710T	†*	L1	3730M	18.63	147	89.5	E	9.8
7 1/2	1175	254TC	CWAM22976T	†*	L1	3940M	23.57	260	89.5	E	11.2
10	3500	215TC	CWAM3711T	†*	L1	3732M	18.63	135	89.5	E	11.5
10	1760	215TC	CWAM3714T	†*	L1	3738M	19.76	159	89.5	E	12.8
10	1175	256TC	CWAM23932T	†*	L1	3946M	23.57	275	89.5	E	15.3
C-Face less Base											
1/2	1725	56C	VWAM3538	†*	K	3516M	11.05	37	75.5	E	0.8
3/4	1725	56C	VWAM3542	†*	K	3520M	11.05	40	80.0	E	1.1
1	1725	56C	VWAM3546	†*	K	3524M	12.05	45	81.5	E	1.6
1	1725	143TC	VWAM3546T	†*	L1	3524M	12.13	43	81.5	E	1.6
1 1/2	1725	56C	VWAM3554	†*	K	3535M	12.93	55	82.5	E	2.1
1 1/2	1725	145TC	VWAM3554T	†*	L1	3535M	13.00	55	82.5	E	2.1
2	1725	56C	VWAM3558	†*	K	3528M	13.28	45	82.5	E	3.1
2	1725	145TC	VWAM3558T	†*	L1	3528M	13.35	51	82.5	E	3.1
3	1725	182TC	VWAM3611T	†*	L1	3535M	15.23	65	84.0	E	4.1
5	1725	184TC	VWAM3615T	†*	L1	3634M	16.60	90	85.5	E	6.6
7 1/2	1760	213TC	VWAM3710T	†*	L1	3725M	18.63	134	87.5	E	10.4
10	1725	215TC	VWAM3714T	†*	L1	3740M	19.76	147	87.5	E	13.0

NOTE: Voltage @ 60 Hz: E = 208-230/460 Volts, E1=230/460 usable at 208 volts.
See notes on pages 8 and 9, and inside back flap.

General
Information

Single Phase
Motors

General Purpose

Premium Efficient
Super-E® Motors

C-Face
Industrial Motors

Severe Duty
Motors

Washdown Duty
Motors

Explosion Proof
Motors

Pump Motors

Commercial
Motors

Three Phase - Feather Picker Motor - TEFC

2 thru 3 Hp

NEMA 145T

Applications: Food processing.

Features: Moisture resistant ISR® (Inverter Spike Resistant®) 200°C magnet wire. Sealed ball bearings with moisture resistant grease. Tropicalized.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
2	1740	145T	WDM3558TP †*	667	L1	3528M	12.79	45	84.0	E	2.8
3	1750	145T	WDM3561TP †*	842	L1	3546M	15.04	63	87.5	E	4.1

NOTE: Voltage @ 60 Hz: E = 208-230/460 Volts. See notes on pages 8 and 9, and inside back flap.

Three Phase - "Paint-Free" - TEFC and TENV

1/2 thru 10 Hp

NEMA 56C thru 215TC

Applications: Food processing, packaging and outdoor applications.

Features: Moisture resistant ISR® (Inverter Spike Resistant®) 200°C magnet wire. Sealed ball bearings with moisture resistant grease. Rotating non-contact labyrinth seal on output shaft extension and contact lip seals on fan shaft extension. Neoprene gaskets. Special processed cast endplates. 300 Series stainless steel motor frame, base, shaft and hardware. No exterior paint. Tropicalized. CESWDM and VESWDM Super-E motors have NEMA Premium® efficiency and 3 year warranty.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
C-Face with Base											
1/2	1725	56C	CSWDM3538 †*	498	K	3516M	11.07	30	75.5	E1	0.8
3/4	1725	56C	CSWDM3542 †*	575	K	3520M	11.07	34	80.0	E1	1.1
1	1740	56C	CESWDM3546 †*	780	K	3524M	12.07	40	85.5	E	1.4
1	1725	56C	CSWDM3546 †*	596	K	3524M	12.07	37	81.5	E	1.6
1	1725	143TC	CSWDM3546T †*	596	L1	3524M	12.12	41	81.5	E	1.6
1 1/2	1725	56C	CSWDM3554 †*	623	K	3535M	12.93	55	82.5	E	2.1
1 1/2	1740	145TC	CESWDM3554T †*	817	L1	3532M	13.00	48	86.5	E1	2.0
1 1/2	1725	145TC	CSWDM3554T †*	623	L1	3535M	13.00	49	82.5	E	2.1
2	1725	56C	CSWDM3558 †*	768	K	3528M	13.24	45	84.0	E1	2.8
2	1725	145TC	CESWDM3558T †*	1004	L1	3535M	14.18	42	86.5	E	2.7
2	1725	145TC	CSWDM3558T †*	768	L1	3528M	13.30	48	84.0	F	2.8
3	1760	182TC	CESWDM3611T †*	1228	L1	3632M	16.56	51	89.5	E	4.0
3	1750	182TC	CSWDM3611T †*	939	L1	3628M	16.56	76	87.5	E	4.1
5	1750	184TC	CESWDM3615T †*	1430	L1	3640M	18.06	99	90.2	E1	6.4
5	1750	184TC	CSWDM3615T †*	1093	L1	3640M	18.06	93	87.5	E	6.5
7 1/2	1770	213TC	CESWDM3710T †*	1759	L1	3736M	19.81	143	91.7	E1	9.4
7 1/2	1760	213TC	CSWDM3710T †*	1344	L1	3740M	19.81	138	89.5	E	10.0
10	1760	215TC	CESWDM3714T †*	2002	L1	3756M	21.31	168	91.7	F	13.0
10	1760	215TC	CSWDM3714T †♦	1530	L1	3754M	21.31	160	89.5	E	12.4

C-Face less Base

1/2	1725	56C	VSWDM3538 †*	493	K	3516M	11.07	29	75.5	E1	0.8
3/4	1725	56C	VSWDM3542 †*	570	K	3520M	11.07	33	80.0	E1	1.1
1	1740	56C	VESWDM3546 †*	742	K	3524M	12.07	39	85.5	E	1.4
1	1725	56C	VSWDM3546 †*	591	K	3524M	12.07	38	81.5	E	1.6
1	1725	143TC	VSWDM3546T †*	591	L1	3524M	12.12	37	81.5	E	1.6
1 1/2	1740	56C	VESWDM3554 †*	809	K	3532M	12.95	51	86.5	E1	2.0
1 1/2	1725	56C	VSWDM3554 †*	619	K	3535M	12.95	47	82.5	E	2.1
1 1/2	1740	145TC	VESWDM3554T †*	809	L1	3532M	13.00	51	86.5	E1	2.0
1 1/2	1725	145TC	VSWDM3554T †*	619	L1	3535M	13.00	48	82.5	E	2.1
2	1725	145TC	VESWDM3558T †*	924	L1	3532M	14.19	55	86.5	E	2.7
2	1725	145TC	VSWDM3558T †*	705	L1	3528M	13.31	41	82.5	E	3.1

NOTE: Voltage @ 60 Hz: E = 208-230/460 Volts, E1 = 230/460 usable at 208 volts, F = 230/460 volts. See notes on pages 8 and 9, and inside back flap.

Three Phase - SSE Super-E - All Stainless Steel - TEFC and TENV

1/2 thru 10 Hp

NEMA 56C thru 215TC

Applications: Food processing, packaging, outdoor and highly corrosive environments.



Features: All external surfaces 300 series stainless steel: motor frame, endplates, conduit box, shaft and base. Moisture resistant 200°C ISR[®] magnet wire. Hydrophobic aspiration system eliminates condensation from inside the motor. Endplate rabbets have O-ring seals to band. Conduit box is welded to the motor frame. Patented bearing seal to protect motor bearings, inside and out. Epoxy encapsulation prevents any moisture from reaching the windings as well as potting the passage between the band and the conduit box. Nameplate information is laser etched on the band. Catalog numbers also etched on both sides. Especially effective in highly corrosive environments where paint or other finishes do not hold up. NEMA Premium[®] efficiency and 3-year warranty.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
C-Face with Base											
1/2	3450	56C	CSSEWDM3537	†*	906	K	3516M	11.71	38	84.0	0.7
1/2	1750	56C	CSSEWDM3538	†*	920	K	3520M	11.71	41	81.5	0.8
3/4	3450	56C	CSSEWDM3541	†*	937	K	3520M	11.71	45	86.5	1.0
3/4	1750	56C	CSSEWDM3542	†*	952	K	3526M	12.71	49	84.0	1.0
1	3450	56C	CSSEWDM3545	†*	985	K	3524M	12.71	48	82.5	1.4
1	1740	56C	CSSEWDM3546	†*	995	K	3526M	12.71	51	86.5	1.4
1	1740	143TC	CSSEWDM3546T	†*	1004	L1	3526M	12.77	51	86.5	1.4
1 1/2	3500	56C	CSSEWDM3550	†*	999	K	3532M	13.59	53	85.5	1.8
1 1/2	3500	145TC	CSSEWDM3550T	†*	1007	L1	3532M	13.65	53	85.5	1.8
1 1/2	1740	56C	CSSEWDM3554	†*	1003	K	3532M	14.77	53	86.5	2.1
1 1/2	1740	145TC	CSSEWDM3554T	†*	1013	L1	3532M	14.83	53	86.5	2.1
2	3500	145TC	CSSEWDM3555T	†*	1209	L1	3535M	14.83	55	86.5	2.5
2	1710	56C	CSSEWDM3558	†*	1219	K	3532M	14.77	61	85.5	2.8
2	1725	145TC	CSSEWDM3558T	†*	1227	L1	3532M	14.83	61	85.5	2.8
3	3470	145TC	CSSEWDM3559T	†*	1472	L1	3546M	16.21	55	86.5	3.6
3	1760	182TC	CSSEWDM3611T	†*	1482	L1	3630M	17.75	94	89.5	4.0
5	3500	184TC	CSSEWDM3613T	†*	1609	L1	3634M	17.75	99	89.5	5.6
5	1750	184TC	CSSEWDM3615T	†*	1622	L1	3646M	19.25	115	90.2	6.4
7 1/2	3500	213TC	CSSEWDM3709T	†*	1875	L1	3735M	20.43	124	91.0	8.3
7 1/2	1770	213TC	CSSEWDM3710T	†*	1915	L1	3744M	21.62	143	91.7	10.0
10	3500	215TC	CSSEWDM3711T	†*	2130	L1	3744M	21.62	185	91.7	10.6
10	1760	215TC	CSSEWDM3714T	†*	2259	L1	3750M	23.06	158	91.7	12.6
C-Face less Base											
1/2	3450	56C	VSSEWDM3537	†*	889	K	3516M	11.71	38	84.0	0.7
1/2	1750	56C	VSSEWDM3538	†*	903	K	3520M	11.71	41	81.5	0.8
3/4	3450	56C	VSSEWDM3541	†*	920	K	3520M	11.71	45	86.5	1.0
3/4	1750	56C	VSSEWDM3542	†*	935	K	3526M	12.71	49	84.0	1.0
1	3450	56C	VSSEWDM3545	†*	967	K	3524M	12.71	48	82.5	1.4
1	1740	56C	VSSEWDM3546	†*	978	K	3526M	12.71	51	82.5	1.4
1	1740	143TC	VSSEWDM3546T	†*	987	L1	3526M	12.77	51	82.5	1.4
1 1/2	3500	56C	VSSEWDM3550	†*	981	K	3532M	13.59	53	85.5	1.8
1 1/2	3450	145TC	VSSEWDM3550T	†*	990	L1	3532M	13.65	53	85.5	1.8
1 1/2	1740	56C	VSSEWDM3554	†*	986	K	3532M	14.77	53	84.0	2.1
1 1/2	1740	145TC	VSSEWDM3554T	†*	995	L1	3532M	14.83	53	84.0	2.1
2	3500	145TC	VSSEWDM3555T	†*	1192	L1	3535M	14.83	54	86.5	2.5
2	1740	56C	VSSEWDM3558	†*	1201	K	3532M	14.77	61	85.5	2.8
2	1740	145TC	VSSEWDM3558T	†*	1210	L1	3532M	14.83	61	85.5	2.8

NOTE: Voltage @ 60 Hz: E = 208-230/460 volts, E1=230/460 usable at 208 volts, F = 230/460 volts. See notes on pages 8 and 9, and inside back flap. CSSEWDM3546, CSSEWDM3546T, CSSEWDM3554, CSSEWDM3554T, CSSEWDM3558, CSSEWDM3558T, VSSEWDM3546, VSSEWDM3546T, VSSEWDM3554, VSSEWDM3554T, and VSSEWDM3558, VSSEWDM3558T motors currently EPA efficiencies or better. NEMA Premium[®] efficient electrical designs to be released 3rd quarter 2006. Red catalog number = New item

General
InformationSingle Phase
Motors

General Purpose

Premium Efficient
Super-E[®] MotorsC-Face
Industrial MotorsSevere Duty
MotorsWashdown Duty
MotorsExplosion Proof
Motors

Pump Motors

Commercial
Motors

67

Three Phase - All Stainless Steel - TEFC and TENV

1/2 thru 10 Hp

NEMA 56C thru 215TC

Applications: Food processing, packaging, outdoor and highly corrosive environments.

Features: All external surfaces 300 series stainless steel: motor frame, endplates, conduit box, shaft, and base. Moisture resistant 200°C ISR® magnet wire. Four condensate drains in each endplate. Endplate rabbets sealed and conduit box gasketed. Lip seals. Especially effective in highly corrosive environments where paint or other finishes do not hold up. CESSWDM Super-E® motors have NEMA Premium® efficiency and 3 year warranty. See page 67 for Super-E all stainless motors.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
C-Face with Base											
1/2	3450	56C	CSSWDM3537	◆□	822	K	3513M	11.09	37	70.0	0.9
1/2	1750	56C	CSSWDM3538	†*□	883	K	3516M	11.09	40	75.5	0.8
3/4	3450	56C	CSSWDM3541	†*□	850	K	3518M	11.09	43	80.0	1.1
3/4	1750	56C	CSSWDM3542	†*□	913	K	3524M	12.09	47	78.5	1.0
1	3450	56C	CSSWDM3545	†*□	932	K	3516M	11.09	39	82.5	1.3
1	1740	56C	CSSWDM3546	†*□	938	K	3524M	12.09	48	85.5	1.4
1 1/2	3500	56C	CSSWDM3550	†*□	943	K	3528M	12.09	53	85.5	2.0
1 1/2	1750	56C	CSSWDM3554	†*	959	K	3528M	13.36	53	85.5	2.1
1 1/2	1750	145TC	CSSWDM3554T	†*	959	L1	3528M	13.42	53	85.5	2.1
2	3450	145TC	CSSWDM3555T	†*	1154	L1	3532M	14.30	62	84.0	2.6
2	1725	56C	CSSWDM3558	†*	1166	K	3528M	13.36	55	84.0	2.8
2	1725	145TC	CSSWDM3558T	†*	1166	L1	3528M	13.42	56	84.0	2.8
3	3450	145TC	CSSWDM3559T	†*	1389	L1	3535M	14.30	64	85.5	3.7
3	1760	182TC	CESSWDM3611T	†*	1412	L1	3630M	16.82	94	89.5	4.0
3	1760	182TC	CSSWDM3611T	†*	1333	L1	3628M	16.82	92	87.5	4.1
5	3500	184TC	CESSWDM3613T	†*	1643	L1	3636M	18.32	99	90.2	5.7
5	3450	184TC	CSSWDM3613T	†*	1519	L1	3634M	16.82	98	87.5	5.7
5	1750	184TC	CESSWDM3615T	†*	1589	L1	3646M	18.32	115	90.2	6.4
5	1750	184TC	CSSWDM3615T	†*	1531	L1	3640M	18.32	109	87.5	6.5
7 1/2	3500	213TC	CESSWDM3709T	†*	1928	L1	3735M	19.03	124	91.0	8.3
7 1/2	3525	213TC	CSSWDM3709T	†*	1769	L1	3733M	19.03	157	88.5	8.9
7 1/2	1770	213TC	CESSWDM3710T	†*	1988	L1	3739M	20.16	143	91.7	9.5
7 1/2	1760	213TC	CSSWDM3710T	†*	1807	L1	3736M	20.16	167	89.5	9.7
10	3500	215TC	CESSWDM3711T	†*	2152	L1	3744M	20.16	185	91.7	10.6
10	3450	215TC	CSSWDM3711T	†*	2009	L1	3740M	20.16	174	89.5	11.9
10	1760	215TC	CESSWDM3714T	†*	2194	L1	3756M	21.66	187	92.4	12.5
10	1760	215TC	CSSWDM3714T	†◆	2041	L1	3754M	21.66	187	89.5	12.4
C-Face less Base											
1/2	3450	56C	VSSWDM3537	†◆□	803	K	3513M	11.09	37	70.0	0.9
1/2	1750	56C	VSSWDM3538	†*□	864	K	3516M	11.09	40	75.5	0.8
3/4	3450	56C	VSSWDM3541	†*□	833	K	3518M	11.09	34	80.0	1.1
3/4	1750	56C	VSSWDM3542	†*□	895	K	3524M	12.09	47	78.5	1.0
1	3450	56C	VSSWDM3545	†*□	913	K	3516M	11.09	41	82.5	1.3
1	1740	56C	VSSWDM3546	†*□	920	K	3524M	12.09	47	85.5	1.4
1 1/2	3500	56C	VSSWDM3550	†*□	925	K	3528M	12.09	52	85.5	2.0
1 1/2	1750	145TC	VSSWDM3554T	†*	940	L1	3528M	13.42	51	85.5	2.1
2	3450	145TC	VSSWDM3555T	†*	1135	L1	3532M	14.30	57	84.0	2.6
2	1725	145TC	VSSWDM3558T	†*	1148	L1	3528M	13.42	52	84.0	2.8
3	3450	145TC	VSSWDM3559T	†*	1370	L1	3535M	14.30	57	85.5	3.7
3	1760	182TC	VSSWDM3611T	†*	1302	L1	3628M	16.82	89	87.5	4.1
5	3450	184TC	VSSWDM3613T	†*	1489	L1	3634M	16.82	96	87.5	5.7
5	1750	184TC	VSSWDM3615T	†*	1500	L1	3640M	18.32	108	87.5	6.5

NOTE: Voltage @ 60 Hz: E = 208-230/460 Volts, E1=230/460 usable at 208 volts, F = 230/460 volts.

See notes on pages 8 and 9, and inside back flap.

BALDOR

Washdown Duty Motors

Three Phase - Inverter Ready, Paint Free Washdown - TEFC and TENV, C-Face

20:1 Constant Torque Speed Range

1/2 thru 10 Hp

NEMA 56C thru 215TC

Applications: Conveyors, Pumps and other equipment in food processing and severe environments where motors are “washed” on a regular basis.

Features: Includes all the advantages of our standard “Paint Free” washdown duty motors. Specifically designed and built for use on adjustable speed drives. For adjustable speed applications not requiring full torque at zero speed. Not encoder adaptable.



Hp	RPM 60 Hz.	Max. RPM	NEMA Frame	Catalog Number		List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Volt Code	Full Load Amps
C-Face with Base												
1/2	1750	6000	56C	IDCSWDM3538	◆□↑↑	1052	E2	3516M	11.07	32	F	0.8
3/4	1750	6000	56C	IDCSWDM3542	◆□↑↑	1192	E2	3524M	12.07	39	F	1.0
1	1740	3600	56C	IDCSWDM3546	◆□↑↑	1238	E2	3524M	12.07	39	E	1.4
1	1740	3600	143TC	IDCSWDM3546T	◆□↑↑	1238	E2	3524M	12.12	42	E	1.4
1 1/2	1750	4000	56C	IDCSWDM3554	◆↑↑	1324	E2	3528M	13.30	45	F	2.1
1 1/2	1750	4000	145TC	IDCSWDM3554T	◆↑↑	1324	E2	3528M	13.30	47	F	2.1
2	1750	3600	56C	IDCSWDM3558	◆↑↑	1414	E2	3535M	14.12	48	F	2.5
2	1750	3600	145TC	IDCSWDM3558T	◆↑↑	1414	E2	3535M	14.18	52	F	2.5
3	1760	6000	182TC	IDCSWDM3611T	◆↑↑	1551	E2	3628M	16.56	78	F	4.0
5	1750	6000	184TC	IDCSWDM3615T	◆↑↑	1805	E2	3640M	18.06	93	F	6.5
7 1/2	1760	6000	213TC	IDCSWDM3710T	◆↑↑	2734	E2	3740M	19.81	140	F	10.0
10	1760	6000	215TC	IDCSWDM3714T	◆↑↑	3126	E2	3750M	21.31	158	F	12.4
C-Face less Base												
1/2	1750	6000	56C	IDVSWDM3538	◆□↑↑	1044	E2	3516M	11.07	29	F	0.8
3/4	1750	6000	56C	IDVSWDM3542	◆□↑↑	1187	E2	3524M	12.07	36	F	1.0
1	1740	3600	56C	IDVSWDM3546	◆□↑↑	1232	E2	3524M	12.07	39	E	1.4
1	1740	3600	143TC	IDVSWDM3546T	◆□↑↑	1232	E2	3524M	12.12	39	E	1.4
1 1/2	1750	4000	56C	IDVSWDM3554	◆↑↑	1317	E2	3528M	13.24	42	F	2.1
1 1/2	1750	4000	145TC	IDVSWDM3554T	◆↑↑	1317	E2	3528M	13.30	46	F	2.1
2	1750	3600	56C	IDVSWDM3558	◆↑↑	1402	E2	3535M	14.12	49	F	2.5
2	1750	3600	145TC	IDVSWDM3558T	◆↑↑	1402	E2	3535M	14.18	52	F	2.5
3	1760	6000	182TC	IDVSWDM3611T	◆↑↑	1538	E2	3628M	16.56	73	F	4.0
5	1750	6000	184TC	IDVSWDM3615T	◆↑↑	1793	E2	3640M	18.06	92	F	6.5

NOTE: Voltage @ 60 Hz: E = 208-230/460 volts, F= 230/460 volts.

General Information

Single Phase Motors

General Purpose

Premium Efficient Super-E® Motors

C-Face Industrial Motors

Severe Duty Motors

Washdown Duty Motors

Explosion Proof Motors

Pump Motors

Commercial Motors

BALDOR**Washdown Duty Motors**

Three Phase - Vector, Washdown - TENV, C-Face with Base

1 thru 10 Hp**NEMA 143TC thru 254TC**

Applications: Material handling, packaging equipment in food processing and other wet environments.

Features: Designed for inverter or vector applications where up to a 1000:1 constant torque speed range is required. Motors include HS25 encoder feedback mounting with MS connector. Meets NEMA MG1, Part 31.

Includes 1024 Line Count Encoder



Hp	RPM 60 Hz.	Max. RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Volt Code	Full Load Amps
1	1750	6000	143TC	ZDWNM3546T	2110	E2	3524M	14.90	42	F	1.4
1 1/2	1750	6000	145TC	ZDWNM3554T	2217	E2	3535M	15.78	54	F	2.1
2	1725	6000	182TC	ZDWNM3609T	2335	E2	3628M	17.77	71	F	2.9
3	1750	6000	184TC	ZDWNM3611T	2451	E2	3634M	17.77	84	F	4.0
5	1760	6000	213TC	ZDWNM3707T	2634	E2	3735M	19.84	125	F	6.7
7 1/2	1765	5000	254TC	ZDWNM22937T	3500	E2	3940M	23.92	240	F	9.1
10	1765	5000	254TC	ZDWNM22938T	3918	E2	3956M	23.92	292	F	12.0

NOTE: Voltage @ 60 Hz: F= 230/460. See notes on pages 8 and 9, and inside back flap.

Single and Three Phase - Rigid Base

1/4 thru 300 Hp

NEMA 48 thru 449T



Applications: Ideal for use where hazardous fumes or dust may be present.

Features: U.L. and CSA approved for Class I Group D and Class I Group C and D and Class II Group F and G. Check number in circle beside catalog number for individual listings. Corrosion resistant epoxy finish. Shipped with U.L. and CSA approved cast conduit box assembled to each motor. 1.00 Service Factor. EM Super-E explosion-proof motors have NEMA Premium® efficiency and 3 year warranty.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number		List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
1/4	1725	48	L4003A	◆⑧	385	K	X3411L	12.85	27	55.0	A	2.5
1/4	1725	56	L5000A	◆⑧	368	K	X3411L	13.22	28	55.0	B	2.5
1/3	3450	48	L4005A	◆⑧	341	K	X3413L	12.85	28	55.0	B	3.0
1/3	1725	48	L4006A	◆⑧	496	K	X3414L	12.85	29	60.0	A	3.0
1/3	1725	56	L5001A	◆⑧	473	K	X3414L	13.22	29	60.0	A	3.0
1/3	1140	56	L5002A	◆⑦	670	K	X3520L	14.30	41	54.0	B	3.4
1/2	3450	56	L5003A	◆⑧	448	K	X3416L	13.22	30	57.0	B	3.7
1/2	1725	48	L4009A	◆⑧	547	K	X3424L	13.85	36	64.0	A	3.7
1/2	1725	56	L5004A	◆⑧	521	K	X3424L	14.22	35	64.0	A	3.7
1/2	1140	56	L5005A	◆⑦	772	K	X3528L	15.17	50	59.0	B	4.0
3/4	3450	56	L5006A	◆⑦	506	K	X3516L	14.30	41	62.0	B	4.9
3/4	1725	56	L5007A	◆⑦	613	K	X3524L	15.17	48	66.0	B	5.3
3/4	1140	56	L5022	◆①	893	K	X3535L	16.04	57	59.5	B	5.7
1	3450	56	L5009A	◆⑦	547	K	X3524L	15.17	48	66.0	B	6.0
1	1725	56	L5023A	◆①	698	K	X3524L	15.17	48	67.0	B	6.5
1	1725	143T	L5023T	◆①	684	L1	X3524L	15.23	48	67.0	A	6.4
1	1140	184	L5026	◆⑧	1502	L1	X3634L	16.92	82	67.0	A	7.0
1 1/2	3450	143T	L5030T	◆⑧	792	L1	X3528L	15.23	53	70.0	A	7.5
1 1/2	1725	184	L5013	◆⑧	1395	L1	X3628L	16.92	75	70.0	B	9.5
2	3450	145T	L5031T	◆⑧	980	L1	X3535L	16.11	60	74.0	A	11.5
2	1725	182T	L5027T	◆①	1440	L1	X3634L	17.42	84	75.0	B	11.0
3	3450	184T	L5028T	◆①	1497	L1	X3634L	17.42	84	76.0	B	14.5
3	1725	215	L5018	◆⑧	2233	L1	X3735L	19.49	152	79.0	B	15.0
5	1725	215	L5020	◆①	2841	L1	X3744LC	19.90	166	84.0	C	21.0
Three Phase												
1/4	1725	48	M6002A	◆⑧	400	K	X3410M	12.85	26	63.0	E	0.7
1/3	1725	56	M7002A	◆⑧	481	K	X3413M	13.22	28	67.0	E	0.8
1/3	1140	56	M7003A	◆⑦	691	K	X3513M	14.30	37	70.0	E	0.8
1/2	3450	56	M7005A	◆⑧	552	K	X3410M	13.22	27	68.0	E	1.1
1/2	1725	48	M6007A	◆⑧	501	K	X3416M	12.85	29	74.0	E	1.0
1/2	1725	56	M7006A	◆⑧	501	K	X3416M	13.22	30	74.0	E	1.0
1/2	1140	56	M7007A	◆⑦	730	K	X3516M	14.30	39	70.0	E	1.2
3/4	3450	56	M7009A	◆⑧	575	K	X3413M	13.22	29	75.0	E	1.3
3/4	1725	56	M7010A	◆⑧	578	K	X3420M	14.22	34	73.0	E	1.5
3/4	1140	56	M7031A	◆⑦	776	K	X3524M	15.17	47	77.0	E	1.4
3/4	1140	143T	M7031TA	◆⑦	776	L1	X3524M	15.23	47	77.0	E	1.4
1	3450	56	M7013	◆⑧	606	K	X3416M	13.22	31	75.5	E	1.8
1	1725	56	M7014	◆■⑧	632	K	X3516M	14.30	41	77.0	T	1.7
1	1750	143T	EM7014T	◆■⑧	859	L1	X3524M	15.23	49	86.5	U	1.4
1	1740	143T	M7014T	◆■⑧	662	LS	X3518M	14.36	44	82.5	U	1.4
1	1750	143T	EM7114T-C	◆②	981	L1	X0524M	16.28	80	86.5	E	1.4

NOTE: Voltage @ 60 Hz: A= 115/208-230, B= 115/230, C= 230, E= 208-230/460.
Voltage @ 50/60 Hz: T=190/380//208-230/460, U= 190/380//230/460 volts, 50/60 Hz.
See notes on pages 8 and 9, and inside back flap.

① = Class I, Group D ONLY, T2C. ② = Class I, Group C & D, Class II, Group F & G, T4. ⑦ = Class I, Group D, Class II, Group F & G, T4.
⑧ = Class I, Group D, Class II, Group F & G, T3C.

SHADED RATINGS ARE CAST IRON FRAMES

General Information

Single Phase Motors

General Purpose

Premium Efficient Super-E® Motors

C-Face Industrial Motors

Severe Duty Motors

Washdown Duty Motors

Explosion Proof Motors

Pump Motors

Commercial Motors

Three Phase - Rigid Base continued...

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number		List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
1	1740	143T	M7114T	◆■⑧	939	LS	X0518M	16.28	78	82.5	U	1.4
1	1725	182	M7015	◆■⑧	895	L1	X3516M	15.23	47	77.0	T	1.7
1	1140	56	M7032	◆①	776	K	X3524M	15.17	47	75.5	F	1.7
1	1140	145T	M7032T	◆⑧	760	L1	X3526M	15.23	52	80.0	F	1.8
1 1/2	3450	143T	M7018T	◆■⑧	621	L1	X3520M	14.36	48	82.5	U	2.1
1 1/2	1725	56	M7034	◆■⑧	689	K	X3520M	14.30	43	78.5	T	2.5
1 1/2	1740	145T	EM7034T	◆■⑧	890	L1	X3530M	16.10	56	86.5	U	2.0
1 1/2	1740	145T	M7034T	◆■⑧	663	LS	X3524M	15.23	52	84.0	U	2.1
1 1/2	1740	145T	EM7134T-C	◆②	1003	L1	X0528M	16.28	85	86.5	F	2.0
1 1/2	1740	145T	M7134T	◆⑧	950	LS	X0524M	16.28	81	84.0	E	2.1
1 1/2	1725	184	M7019	◆■⑧	1050	L1	X3520M	15.23	49	78.5	T	2.5
1 1/2	1165	182T	M7020T	◆■⑧	1047	L1	X3628M	17.42	80	85.5	U	2.8
2	3450	145T	M7071T	◆■⑧	637	L1	X3526M	15.23	52	84.0	U	2.6
2	1725	56	M7037	◆⑧	770	K	X3528M	15.17	51	82.5	E	3.1
2	1725	145T	EM7037T	◆⑧	971	L1	X3532M	16.10	61	86.5	E	2.7
2	1740	145T	M7037T	◆■⑧	748	LS	X3532M	16.10	55	84.0	U	2.8
2	1725	145T	EM7137T-C	◆②	1031	L1	X0532M	16.28	88	86.5	E	2.7
2	1740	145T	M7137T	◆■⑧	1001	LS	X0528M	16.28	88	84.0	U	2.8
2	1725	184	M7023	◆■⑧	1076	L1	X3528M	15.23	57	82.5	T	3.1
2	1160	184T	M7041T	◆■⑧	1078	L1	X3636M	18.92	93	86.5	U	3.3
3	3475	145T	M7075T	◆①	753	L1	X3540M	17.48	69	85.5	F	3.7
3	3460	182T	M7026T	◆■⑧	797	L1	X3620M	16.05	70	85.5	U	3.7
3	3450	184	M7026	◆■⑧	920	L1	X3620M	15.55	59	81.5	T	3.9
3	1750	182T	M7042T	◆■⑧	818	LS	X3628M	17.42	81	87.5	U	4.1
3	1760	182T	EM7142T-C	◆■②	1115	L1	X0628M	17.56	136	88.5	U	4.0
3	1750	182T	M7142T	◆■⑧	999	LS	X0628M	17.56	134	87.5	U	4.8
3	1725	213	M7027	◆■⑧	1229	L1	X3717M	16.44	110	80.0	U	4.5
3	1160	213T	M7036T	◆■⑧	1175	L1	X3729M	19.57	147	87.5	U	4.8
5	3465	184T	M7072T	◆■⑧	937	L1	X3634M	18.12	96	87.5	U	5.6
5	1750	184T	EM7144T-C	◆■②	1344	L1	X0643M	17.56	152	90.2	U	6.5
5	1750	184T	M7144T	◆■⑧	1183	LS	X0638M	17.56	148	87.5	U	6.7
5	1750	184T	M7044T	◆■⑧	1014	LS	X3638M	17.37	99	87.5	U	6.7
5	1725	215	M7030	◆■⑧	1591	L1	X3723M	18.06	127	84.0	T	7.0
5	1160	215T	M7040T	◆■⑧	1541	L1	X3735M	20.32	161	87.5	U	8.1
7 1/2	3450	184T	M7073T	◆①	1209	L1	X3640M	18.92	97	88.5	F	8.3
7 1/2	3500	213T	M7045T	◆■⑧	1293	L1	X3733M	19.57	166	88.5	U	8.9
7 1/2	1770	213T	EM7147T-C	◆■②	1682	L1	X0735M	19.91	239	91.7	U	9.5
7 1/2	1760	213T	M7147T	◆■⑧	1431	LS	X0728M	19.90	212	89.5	U	9.8
7 1/2	1760	213T	M7047T	◆■⑧	1250	LS	X3730M	19.57	168	89.5	U	9.8
7 1/2	1175	254T	M7048T	◆■⑧	1825	L1	X0946M	25.50	381	89.5	U	11.1
10	3480	215T	M7074T	◆①	1458	L1	X3735M	20.07	162	89.5	F	11.6
10	3480	215T	M7174T	◆■⑧	1521	L1	X0735M	19.90	236	89.5	U	11.6
10	1770	215T	M7070T	◆⑧	1313	LS	X3738M	21.07	164	89.5	F	12.8
10	1760	215T	EM7170T-C	◆■②	2339	L1	X0748M	19.91	252	92.4	U	12.5
10	1760	215T	M7170T	◆■⑧	1688	LS	X0733M	19.90	227	89.5	U	13.0
10	1175	256T	M7065T	◆■⑧	2194	L1	X0946M	25.50	357	89.5	U	14.4
15	3525	254T	M7053T	◆■⑧	1719	L1	X0940M	25.50	292	90.2	U	17.0
15	1765	254T	EM7054T-C	◆■②	2611	L1	X0942M	25.50	370	92.4	U	18.0
15	1765	254T	EM7054T	◆■⑧	2548	L1	X0942M	25.50	370	92.4	U	18.0
15	1770	254T	M7054T	◆■⑧	1956	LS	X0944M	25.50	376	91.0	U	18.0
15	1170	284T	M7057T	◆■⑧	3538	L1	X1034M	28.61	436	90.2	U	21.0

NOTE: Voltage @ 60 Hz: E=208-230/460, F=230/460. Voltage @ 50/60 Hz: T=190/380//208-230/460,

U= 190/380//230/460 volts, 50/60 Hz. See notes on pages 8 and 9, and inside back flap.

① = Class I, Group D ONLY, T2C. ② = Class I Group C & D, Class II Group F & G, T4.

⑧ = Class I, Group D, Class II, Group F & G, T3C.

SHADED RATINGS ARE CAST IRON FRAMES

Three Phase - Rigid Base continued...

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
20	3515	256T	M7059T	2206	L1	X0936M	25.50	371	90.2	U	23.0
20	1765	256T	EM7056T-C	3372	L1	X0952M	25.50	393	93.0	U	24.0
20	1765	256T	EM7056T	3302	L1	X0952M	25.50	393	93.0	U	24.0
20	1760	256T	M7056T	2536	LS	X0946M	25.50	361	91.0	U	24.0
20	1175	286T	M7079T	3632	L1	X1040M	28.61	522	90.2	U	27.0
25	3535	284TS	M7063T	2936	L1	X1040M	27.24	517	91.0	U	28.5
25	1780	284T	EM7058T-C	4085	L1	X1050M	28.61	494	93.6	U	30.5
25	1780	284T	EM7058T	4006	L1	X1050M	28.61	479	93.6	U	30.5
25	1775	284T	M7058T	3138	LS	X1046M	28.61	510	92.4	U	30.8
25	1180	324T	M7082T	4541	L1	X1252M	32.00	654	91.7	U	31.0
30	3520	286TS	M7083T	3451	L1	X1044M	27.24	530	91.0	U	33.0
30	1780	286T	EM7060T-C	4966	L1	X1056M	28.61	518	94.1	U	36.0
30	1780	286T	EM7060T	4885	L1	X1056M	28.61	519	94.1	U	36.0
30	1770	286T	M7060T	3752	LS	X1056M	28.61	491	92.4	U	36.0
30	1160	326T	M7080T	5010	L1	X1256M	32.00	723	91.7	U	37.0
40	3530	324TS	M7067T	4604	L1	X1234M	30.50	718	91.7	U	45.0
40	1775	324T	EM7062T-C	6636	L1	X1260M	32.12	713	94.5	U	46.0
40	1775	324T	EM7062T	6547	L1	X1260M	32.00	711	94.5	U	46.0
40	1775	324T	M7062T	5126	LS	X1256M	32.00	770	93.0	U	47.0
40	1180	364T	M7084T	5807	L1	X1462M	33.25	915	93.0	U	49.0
50	3540	326TS	M7081T	5896	L1	X1244M	30.50	740	92.4	U	56.0
50	1775	326T	EM7064T-C	7705	L1	X1266M	32.12	741	94.5	U	57.0
50	1775	326T	EM7064T	7615	L1	X1266M	32.00	789	94.5	U	57.0
50	1775	326T	M7064T	5965	LS	X1262M	32.00	747	93.0	U	60.0
50	1180	365T	M7085T	6555	L1	X1456M	33.25	961	93.0	U	61.0
60	1780	364T	EM7066T-C	8612	L1	X1462M	33.25	992	94.5	U	69.0
60	1780	364T	EM7066T	8518	L1	X1462M	33.25	992	94.5	U	69.0
60	1780	364T	M7066T	6671	LS	X1462M	33.25	973	93.6	U	69.0
60	1185	405T	M7086T	7664	L1	X1662M	38.75	1233	93.6	U	70.0
75	1780	365T	M7068T	8322	LS	X1472M	33.25	999	94.1	U	85.0
75	1185	405T	M7087T	8718	L1	X1670M	38.75	1338	93.6	U	88.0
100	1780	405T	M7090T	9859	LS	X1676M	38.75	1335	94.5	U	113.0
125	1780	444T	M74124T-4	13174	LS	X1860M	44.25	1327	94.5	N	143.0
150	1780	445T	M74154T-4	14590	LS	X1876M	44.25	1450	95.0	N	167.0
200	1785	447T	M74204T-4	21501	LS	X18112M	52.75	1975	95.0	N	224.0
250	1785	447T	M74254T-4	24013	D3	X18136M	52.75	2780	95.0	N	284.0
300	1785	449T	M74304T-4	35745	D3	X18160M	54.25	2423	95.0	N	330.0

NOTE: Voltage @ 60 Hz: N = 380//460, 50//60 Hz, U = 190/380//230/460 volts, 50//60 Hz.

See notes on pages 8 and 9, and inside back flap.

② = Class I, Group C & D, Class II, Group F & G, T4. ⑦ = Class I, Group D, Class II, Group F & G, T4.

⑧ = Class I, Group D, Class II, Group F & G, T3C.

SHADED RATINGS ARE CAST IRON FRAMES

CAUTION: Explosion-proof motors have a tight fit between mating parts to ensure the integrity of the explosion-proof enclosure. This can lead to an accumulation of moisture inside the motors due to condensation. Care should be used when selecting an explosion-proof motor, especially when installed outdoors and for intermittent duty. Consider explosion-proof motors on page 76 for outdoor applications. These explosion-proof motors are not suitable for use with adjustable speed drives, inverter duty explosion-proof motors must be used. See page 165. See notes on pages 4 and 76.

General
Information

Single Phase
Motors

General Purpose

Premium Efficient
Super-E® Motors

C-Face
Industrial Motors

Severe Duty
Motors

Washdown Duty
Motors

Explosion Proof
Motors

Pump Motors

Commercial
Motors

Single and Three Phase - C-Face

1/3 thru 50 Hp

NEMA 56C thru 326C

Applications: Pumps, blowers, valves, etc.

Features: Corrosion resistant epoxy finish. Positively locked drive end bearing. U.L. approved cast conduit box-standard. 1.00 S.F. U.L. and CSA approved for Class I, Group D or Class II, Group F & G.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
Single Phase, NEMA C-Face less Base, No Drip Cover											
1/3	1725	56C	VL5001A	◆⑧	521	K	X3414L	13.22	29	60.0	3.0
1/3	1140	56C	VL5002A	◆⑦	699	K	X3520L	14.30	42	54.0	3.4
1/2	3450	56C	VL5003A	◆⑧	502	K	X3416L	13.22	30	57.0	3.7
1/2	1725	56C	VL5004A	◆⑧	576	K	X3424L	14.22	36	64.0	3.7
1/2	1140	56C	VL5005A	◆⑦	801	K	X3528L	15.17	50	59.0	4.0
3/4	3450	56C	VL5006A	◆⑦	537	K	X3516L	14.30	40	62.0	4.9
3/4	1725	56C	VL5007A	◆⑦	641	K	X3524L	15.17	47	66.0	5.3
1	3450	56C	VL5009A	◆⑦	576	K	X3524L	15.17	49	66.0	6.0
1	1725	56C	VL5023A	◆①	729	K	X3524L	15.17	54	67.0	6.5
1 1/2	1725	56C	VL5024A	◆①	962	K	X3546L	17.42	76	75.0	8.0
2	1725	184C	VL5027	◆①	1532	L1	X3634L	16.93	90	75.0	11.0
Single Phase, NEMA C-Face with Base, No Drip Cover											
1/3	1725	56C	CL5001A	◆⑧	577	K	X3414L	13.22	30	60.0	3.0
1/2	3450	56C	CL5003A	◆⑧	506	K	X3416L	13.22	31	57.0	3.7
1/2	1725	56C	CL5004A	◆⑧	578	K	X3424L	14.22	37	64.0	3.7
3/4	1725	56C	CL5007A	◆⑦	644	K	X3524L	15.17	48	66.0	5.3
1	3450	56C	CL5009A	◆⑦	574	K	X3524L	15.17	50	66.0	6.0
1	1725	56C	CL5023A	◆①	732	K	X3524L	15.17	48	67.0	6.5
1 1/2	3450	143TC	CL5030T	◆⑧	901	L1	X3528L	15.23	54	70.0	7.5
1 1/2	1725	184C	CL5013	◆⑧	1463	L1	X3628L	16.93	84	70.0	9.5
2	3450	143TC	CL5031T	◆⑧	1029	L1	X3535L	16.10	61	74.0	11.5
2	1725	182TC	CL5027T	◆①	1509	L1	X3634L	18.86	99	75.0	11.0
3	3450	184TC	CL5028T	◆①	1527	L1	X3634L	18.86	99	76.0	14.5
3	1725	215C	CL5018	◆⑧	2343	L1	X3735L	19.56	154	79.0	15.0
5	1725	215C	CL5020	◆①	2984	L1	X3744LC	20.69	170	84.0	21.0
Three Phase, NEMA C-Face less Base, No Drip Cover											
1/3	1725	56C	VM7002A	◆⑧	619	K	X3413M	13.22	28	67.0	0.8
1/2	3450	56C	VM7005A	◆⑧	600	K	X3410M	13.22	26	68.0	1.1
1/2	1725	56C	VM7006A	◆⑧	653	K	X3416M	13.22	30	74.0	1.0
1/2	1140	56C	VM7007A	◆⑦	760	K	X3516M	14.30	38	70.0	1.2
3/4	3450	56C	VM7009A	◆⑧	619	K	X3413M	13.22	29	75.0	1.3
3/4	1725	56C	VM7010A	◆⑧	665	K	X3420M	14.22	33	73.0	1.5
3/4	1140	56C	VM7031A	◆⑦	798	K	X3524M	15.17	47	77.0	1.4
1	3450	56C	VM7013	◆⑧	647	K	X3416M	13.22	31	75.5	1.8
1	1725	56C	VM7014	◆⑧	698	K	X3428M	15.22	41	75.5	1.8
1	1725	143TC	VM7014T	◆■⑧	698	L1	X3516M	14.36	40	77.0	1.7
1	1140	56C	VM7032	◆①	840	K	X3524M	15.17	46	75.5	1.9

NOTE: Voltage @ 60 Hz: A= 115/208-230, B= 115/230, C= 230, E=208-230/460, F= 230/460 volts. Voltage @ 50/60 Hz: T= 190/380//208-230/460 volts, 50//60 Hz.

See notes on pages 8 and 9, and inside back flap.

① = Class I, Group D ONLY, T2C. ⑦ = Class I, Group D, Class II, Group F & G, T4.

⑧ = Class I, Group D, Class II, Group F & G, T3C.

Three Phase - C-Face continued...

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
NEMA C-Face less Base, No Drip Cover											
1 1/2	3450	143TC	VM7018T	◆■⑧	L1	X3516M	14.36	41	75.5	T	2.3
1 1/2	1725	56C	VM7034	◆■⑧	K	X3520M	14.20	43	78.5	T	2.5
1 1/2	1725	145TC	VM7034T	◆■⑧	L1	X3520M	14.36	43	78.5	T	2.5
1 1/2	1140	145TC	VM7035T	◆①	L1	X3535M	16.10	58	80.0	F	2.6
2	3450	145TC	VM7071T	◆■⑧	L1	X3524M	15.23	47	78.5	T	2.7
2	1725	56C	VM7037	◆■⑧	K	X3528M	15.17	51	82.5	T	3.1
2	1725	145TC	VM7037T	◆■⑧	L1	X3528M	15.23	50	82.5	T	3.1
3	3450	145TC	VM7075T	◆①	L1	X3528M	15.23	54	82.5	E	3.8
3	3450	182TC	VM7026T	◆■⑧	L1	X3620M	17.49	77	81.5	T	3.9
3	1725	182TC	VM7042T	◆■⑧	L1	X3623M	17.49	81	82.5	U	4.3
5	3450	184TC	VM7072T	◆■⑧	L1	X3628M	18.06	97	85.5	T	6.0
5	1725	184TC	VM7044T	◆■⑧	L1	X3640M	18.80	111	86.5	U	6.5
7 1/2	3450	184TC	VM7073T	◆①	L1	X3640M	20.36	110	87.5	F	8.8
7 1/2	3450	213TC	VM7045T	◆■⑧	L1	X3729M	19.19	149	84.0	U	9.3
7 1/2	1760	213TC	VM7047T	◆■⑧	L1	X3732M	19.19	156	86.5	U	10.5
10	1760	215TC	VM7170T	◆■⑧	L1	X0733M	20.65	235	89.5	U	13.0
NEMA C-Face with Base, No Drip Cover											
1/2	3450	56C	CM7005A	◆⑧	K	X3410M	13.22	28	68.0	E	1.1
1/2	1725	56C	CM7006A	◆⑧	K	X3416M	13.22	31	74.0	E	1.0
3/4	3450	56C	CM7009A	◆⑧	K	X3413M	13.22	30	75.0	E	1.3
3/4	1725	56C	CM7010A	◆⑧	K	X3420M	14.22	35	73.0	E	1.5
1	3450	56C	CM7013	◆⑧	K	X3416M	13.22	31	75.5	E	1.8
1	1725	56C	CM7014	◆■⑧	K	X3516M	14.30	41	77.0	T	1.7
1	1740	143TC	CM7014T	◆■⑧	L1	X3518M	14.36	47	82.5	U	1.4
1 1/2	3450	143TC	CM7018T	◆■⑧	L1	X3520M	14.36	47	82.5	U	2.1
1 1/2	1725	56C	CM7034	◆■⑧	K	X3520M	14.30	44	78.5	T	2.5
1 1/2	1740	145TC	CM7034T	◆■⑧	L1	X3524M	15.23	53	84.0	U	2.1
2	3450	145TC	CM7071T	◆■⑧	L1	X3526M	15.23	55	84.0	U	2.6
2	1725	56C	CM7037	◆■⑧	K	X3528M	15.17	52	82.5	T	3.1
2	1740	145TC	CM7037T	◆■⑧	L1	X3528M	15.23	56	84.0	U	2.8
3	3475	145TC	CM7075T	◆①	L1	X3540M	17.48	69	85.5	F	3.7
3	1750	182TC	CM7042T	◆■⑧	L1	X3628M	18.86	95	87.5	U	4.1
5	3465	184TC	CM7072T	◆■⑧	L1	X3634M	18.86	101	87.5	U	5.6
5	1750	184TC	CM7044T	◆■⑧	L1	X3638M	18.80	114	87.5	U	6.7
7 1/2	3450	184TC	CM7073T	◆①	L1	X3640M	20.36	114	88.5	F	8.3
7 1/2	3500	213TC	CM7045T	◆■⑧	L1	X3733M	20.33	173	88.5	U	8.9
7 1/2	1760	213TC	CM7047T	◆■⑧	L1	X3730M	21.08	162	89.5	U	9.8
10	3480	215TC	CM7174T	◆■⑧	L1	X0735M	20.65	244	89.5	U	11.6
10	1760	215TC	CM7170T	◆■⑧	L1	X0733M	20.65	234	89.5	U	13.0
15	3525	254TC	CM7053T	◆■⑧	L1	X0940M	26.00	345	90.2	U	17.0
15	1770	254TC	CM7054T	◆■⑧	L1	X0944M	26.00	334	91.0	U	18.0
20	3515	256TC	CM7059T	◆■⑧	L1	X0936M	26.00	372	90.2	U	23.0
20	1760	256TC	CM7056T	◆■⑧	L1	X0946M	26.00	362	91.0	U	24.0
25	3535	286TSC	CM7063T	◆■⑧	L1	X1040M	27.24	474	91.0	U	28.5
25	1775	284TC	CM7058T	◆■⑧	L1	X1046M	28.61	478	92.4	U	30.8
30	1770	286TC	CM7060T	◆■⑧	L1	X1056M	28.61	533	92.4	U	36.0
40	1775	324TC	CM7062T	◆■⑧	L1	X1256M	32.00	760	93.0	U	47.0
50	1775	326TC	CM7064T	◆■⑧	L1	X1262M	32.00	763	93.0	U	60.0

NOTE: Voltage @ 60 Hz: E=208-230/460, F=230/460.

Voltage @ 50/60 Hz: T= 190/380//208-230/460, 50//60 Hz. U= 190/380//230/460 volts, 50//60 Hz.

See notes on pages 8 and 9, and inside back flap.

① = Class I, Group D ONLY, T2C. ⑧ = Class I, Group D, Class II, Group F & G, T3C.

SHADED RATINGS ARE CAST IRON FRAMES

General
Information

Single Phase
Motors

General Purpose

Premium Efficient
Super-E® Motors

C-Face
Industrial Motors

Severe Duty
Motors

Washdown Duty
Motors

Explosion Proof
Motors

Pump Motors

Commercial
Motors

Three Phase - 1.15 Service Factor - Rigid Base



3 thru 100 Hp

NEMA 182T thru 405T

Applications: On and off shore drill rig service, bulk fuel terminals, and transfer stations. For use in high humidity hazardous-duty applications driving pumps, compressors, blowers, fans, and many other loads that require 1.15 service factor explosion-proof motors. Designed with features for use in the petroleum industry. Includes Class 1, Group C & D approval for use in areas where hydrogen sulfide is present.

Features: Labyrinth-type recessed shaft slinger for increased bearing protection. Explosion-proof breather/drain to prevent build up of condensation. Class F insulation. Corrosion resistant finish with two part epoxy coating. UL and CSA approved for Class I, Group C & D. 1.15 service factor.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	
Rigid Base												
3	1750	182T	M7042T-I	†*■⑤	818	L1	X3628M	18.27	105	87.5	U	4.1
3	1750	182T	M7042T-I-5	†*⑤	818	L1	X3628M	18.27	103	87.5	H	3.3
5	1750	184T	M7044T-I	†*■⑤	1014	L1	X3638M	18.27	118	87.5	U	6.7
5	1750	184T	M7044T-I-5	†*⑤	1014	L1	X3638M	18.27	117	87.5	H	5.2
7 1/2	1760	213T	M7047T-I	†*■⑤	1250	L1	X3735M	20.32	177	89.5	U	10.2
7 1/2	1760	213T	M7047T-I-5	†*⑤	1250	L1	X3735M	20.32	165	89.5	H	8.2
10	1760	215T	M7170T-I	†*■⑤	1688	L1	X0740M	20.03	225	89.5	U	14.2
10	1760	215T	M7170T-I-5	†*⑤	1688	L1	X0740M	20.03	230	89.5	H	11.4
15	1770	254T	M7054T-I	†*■⑤	1956	L1	X0944M	25.50	347	91.0	U	18.0
15	1770	254T	M7054T-I-5	†*⑤	1956	L1	X0944M	25.50	381	91.0	H	14.4
20	1760	256T	M7056T-I	†*■⑤	2536	L1	X0946M	25.50	365	91.0	U	24.0
20	1760	256T	M7056T-I-5	†*⑤	2536	L1	X0946M	25.50	381	91.0	H	19.2
25	1775	284T	M7058T-I	†*■⑤	3138	L1	X1046M	28.61	454	92.4	U	30.8
25	1775	284T	M7058T-I-5	†*⑤	3138	L1	X1046M	28.61	415	92.4	H	24.6
30	1770	286T	M7060T-I	†*■⑤	3752	L1	X1056M	28.61	499	92.4	U	36.0
30	1770	286T	M7060T-I-5	†*⑤	3752	L1	X1056M	28.61	518	92.4	H	28.8
40	1775	324T	M7062T-I	†*■⑤	5126	L1	X1256M	32.00	765	93.0	U	47.0
40	1775	324T	M7062T-I-5	†*⑤	5126	L1	X1256M	32.00	713	93.0	H	37.6
50	1775	326T	M7064T-I	†*■⑤	5965	L1	X1262M	32.00	743	93.0	U	60.0
50	1775	326T	M7064T-I-5	†*⑤	5965	L1	X1262M	32.00	608	93.0	H	47.0
60	1780	364T	M7066T-I	†*■⑤	6767	L1	X1462M	33.25	971	93.6	U	69.0
60	1780	364T	M7066T-I-5	†*⑤	6767	L1	X1462M	33.25	992	93.6	H	56.0
75	1780	365T	M7068T-I	†*■⑤	8322	L1	X1472M	33.25	1008	94.1	U	85.0
75	1780	365T	M7068T-I-5	†*⑤	8322	L1	X1472M	33.25	1038	94.1	H	69.0
100	1775	405T	M7090T-I	†*■⑤	9859	D3	X1676M	38.75	1347	94.5	U	109.0
100	1775	405T	M7090T-I-5	†*⑤	9859	D3	X1676M	38.75	1372	94.5	H	87.0
NEMA C-Face with Base, No Drip Cover												
3	1750	182TC	CM7042T-I	†*■⑤	1058	L1	X3628M	19.59	111	87.5	U	4.1
5	1750	184TC	CM7044T-I	†*■⑤	1273	L1	X3638M	19.59	126	87.5	U	6.7
7 1/2	1760	213TC	CM7047T-I	†*■⑤	1475	L1	X3735M	21.07	170	89.5	U	10.2
10	1760	215TC	CM7170T-I	†*■⑤	1744	L1	X0740M	20.78	232	89.5	U	14.2
15	1770	254TC	CM7054T-I	†*■⑤	3046	L1	X0944M	26.00	333	91.0	U	18.0
20	1760	256TC	CM7056T-I	†*■⑤	3538	L1	X0946M	26.00	356	91.0	U	24.0
25	1775	284TC	CM7058T-I	†*■⑤	4402	L1	X1046M	28.61	516	92.4	U	30.8
30	1770	286TC	CM7060T-I	†*■⑤	4977	L1	X1056M	28.61	494	92.4	U	36.0
40	1775	324TC	CM7062T-I	†*■⑤	6727	L1	X1256M	32.00	578	93.0	U	47.0
50	1775	326TC	CM7064T-I	†*■⑤	7608	L1	X1262M	32.00	741	93.0	U	60.0

NOTE: Voltage @ 50/60 Hz: U= 190/380//230/460 volts, 50/60 Hz, H = 575 volts.

See notes on pages 8 and 9, and inside back flap. ⑤ = Class 1, Group C & D only, T3C.

SHADED RATINGS ARE CAST IRON FRAMES

NOTE: These motors expel condensation better than standard explosion proof designs. They are recommended for applications such as fuel transfer terminals and fuel truck loading facilities where motors may run intermittently, applications where explosion-proof motors are installed outdoors exposed to the environment, and may not be operated for extended periods of time. These explosion-proof motors are not suitable for use with adjustable speed drives inverter duty explosion-proof motors must be used. See page 165.

Single Phase - Jet Pump - TEFC and ODP

1/3 thru 3 Hp

NEMA 56C and 56J



Applications: Residential and industrial pumps, swimming pool pumps, etc.

Features: Diecast aluminum end plates with machined steel bearing seat insert.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	S.F.
TEFC, Stainless Steel Threaded shaft 56J less Base												
1/3	3450	56J	JL3405A	218	K	3416L	9.29	23	60.0	B	38871.0	1.75
1/3	1725	56J	JL3501A	271	K	3414L	9.29	22	60.0	B1	3.0	1.35
1/2	3450	56J	JL3503A	249	K	3420L	10.29	25	62.0	B	3.7	1.60
1/2	1725	56J	JL3504A	316	K	3421L	10.29	26	68.0	B1	3.7	1.25
3/4	3450	56J	JL3506A	297	K	3424L	10.29	28	66.0	B	5.4	1.50
3/4	1725	56J	JL3507A	375	K	3428LC	12.97	32	74.0	B1	4.1	1.25
1	3450	56J	JL3509A	363	K	3524L	13.74	39	66.0	B	6.0	1.25
1	1725	56J	JL3510A	430	K	3528L	13.74	42	67.0	B	6.2	1.00
1 1/2	3450	56J	JL3513A	430	K	3528L	13.74	44	70.0	B1	8.3	1.00
1 1/2	1725	56J	JL3514A	473	K	3532LC	14.62	49	75.5	B	8.0	1.00
2	3450	56J	JL3515A	507	K	3535L	14.62	51	74.0	B	11.5	1.00
2	1725	56J	JL3516A	539	K	3535LC	14.62	53	78.0	B	8.6	1.00
TEFC, Stainless Steel Threaded Shaft 56J with Base												
1/3	1725	56J	CJL3501A	295	K	3414L	11.84	23	60.0	B1	3.0	1.35
1/2	1725	56J	CJL3504A	347	K	3421L	12.47	28	68.0	B1	3.7	1.25
3/4	1725	56J	CJL3507A	423	K	3428LC	12.97	35	74.0	B1	4.1	1.25
ODP, Stainless Steel Threaded Shaft 56J less Base												
1/3	3450	56J	JL225A	175	C1	1713L	11.83	21	59.5	B1	2.8	1.75
1/3	1725	56J	JL245A	208	C1	1712L	11.58	24	59.5	B1	2.7	1.35
1/2	3450	56J	JL1303A	211	K	3420L	12.51	26	66.0	B	3.7	1.60
1/2	1725	56J	JL345A	238	C1	1718L	13.08	22	64.0	B1	3.6	1.25
3/4	3450	56J	JL1306A	278	K	3424L	13.39	28	69.0	B	5.5	1.50
3/4	1725	56J	JL445A	266	C1	1728L	13.58	25	68.0	B1	5.3	1.25
1	3450	56J	JL1309A	288	K	3428L	13.89	33	65.0	B	7.0	1.40
1	1725	56J	JL545A	314	C1	1920L	12.84	34	66.0	B1	6.7	1.15
1 1/2	3450	56J	JL1313A	402	K	3432LC	13.89	37	78.5	B	6.5	1.30
1 1/2	1725	56J	JL1319A	434	K	3528L	13.25	42	68.0	B	9.0	1.00
2	3450	56J	JL1317A	496	K	3528L	13.25	44	70.0	B1	13.0	1.20
2	1725	56J	JL1322A	481	K	3532LC	14.13	47	78.5	B	9.2	1.15
3	3450	56J	JL1323A	510	K	3535LC	14.13	50	82.5	D1	13.0	1.15

ALL ABOVE RATINGS CAN BE UL 1081 COMPLIANT THROUGH MOD EXPRESS.

SEE THE MOD EXPRESS PROGRAM SECTION IN THIS CATALOG FOR MORE DETAILS.

NOTE: All threaded shaft single phase motors are connected single rotation - CCW when viewing drive end.

Voltage @ 60 Hz: B= 115/230, B1= 115/230 volts usable at 208 volts, D1 = 230 volts, usable at 208 volts, 60 Hz.

See notes on pages 8 and 9, and inside back flap.

General Information

Single Phase Motors

General Purpose

Premium Efficient Super-E® Motors

C-Face Industrial Motors

Severe Duty Motors

Washdown Duty Motors

Explosion Proof Motors

Pump Motors

Commercial Motors

Single Phase - Jet Pump - TEFC and ODP continued...

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	S.F.
Keyed Shaft 56C less Base												
1/2	3450	56C	VL1303A	234	K	3420L	12.00	26	66.0	B	3.7	1.60
3/4	3450	56C	VL1306A	279	K	3424L	12.88	30	69.0	B	5.5	1.50
3/4	1725	56C	VL1307A	381	K	3520L	11.75	34	63.0	B	5.4	1.25
1	3450	56C	VL1309A	295	K	3428L	13.40	32	65.0	B	7.0	1.40
1	1725	56C	VL1318A	405	K	3528L	12.75	41	67.0	B	6.2	1.00
1 1/2	3450	56C	VL1313A	402	K	3432LC	13.01	37	78.5	B	6.5	1.30
2	3450	56C	VL1317A	521	K	3528L	12.75	41	70.0	B1	13.0	1.20
3	3450	56C	VL1323A	539	K	3535LC	13.63	52	82.5	D1	13.0	1.15
Stainless Steel Threaded shaft 56J with Base												
1/3	3450	56J	CJL1205A	213	K	3416L	11.91	24	58.0	B	3.1	1.75
1/3	1725	56J	CJL1301A	321	K	3414L	11.89	23	60.0	B	3.0	1.35
1/2	3450	56J	CJL1303A	222	K	3420L	12.51	27	66.0	B	3.7	1.60
1/2	1725	56J	CJL1304A	363	K	3418L	12.14	26	62.0	B1	4.2	1.25
3/4	3450	56J	CJL1306A	283	K	3424L	13.39	29	69.0	B	5.5	1.50
3/4	1725	56J	CJL1307A	418	K	3520L	12.25	34	63.0	B	5.4	1.25
1	3450	56J	CJL1309A	290	K	3428L	13.89	33	65.0	B	7.0	1.40
1 1/2	3450	56J	CJL1313A	404	K	3432LC	13.89	37	78.5	B	6.5	1.30
2	3450	56J	CJL1317A	541	K	3528L	13.25	44	70.0	B1	13.0	1.20

ALL ABOVE RATINGS CAN BE UL 1081 COMPLIANT THROUGH MOD EXPRESS. SEE THE MOD EXPRESS PROGRAM SECTION IN THIS CATALOG FOR MORE DETAILS.

NOTE: All threaded shaft single phase motors are connected single rotation - CCW when viewing drive end.

Voltage @ 60 Hz: B= 115/230, B1= 115/230 volts usable at 208 volts, D1 = 230 volts usable at 208 volts. See notes on pages 8 and 9, and inside back flap.

Three Phase - Jet Pump 1/2 thru 3 Hp NEMA 56J - TEFC

Applications: Residential and industrial pumps, swimming pool pumps, etc.

Features: Diecast aluminum end plates with machined steel bearing seat insert.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	S.F.
56J C-Face less Base												
1/3	3450	56J	JM3457	244	K	3410M	11.84	19	62.0	E1	0.8	1.75
1/3	1725	56J	JM3458	265	K	3413M	11.84	21	68.0	E1	0.8	1.35
1/2	3450	56J	JM3460	265	K	3413M	11.84	21	70.0	E1	1.2	1.60
1/2	1725	56J	JM3461	312	K	3416M	11.84	22	74.0	E1	1.0	1.25
3/4	3450	56J	JM3463	289	K	3416M	11.84	23	74.0	E	1.5	1.50
3/4	1725	56J	JM3542	336	K	3420M	11.84	26	75.5	E	1.5	1.25
1	3450	56J	JM3545	345	K	3420M	11.84	26	77.0	E1	1.6	1.40
1	1725	56J	JM3546	358	K	3426M	13.34	31	78.5	E	1.7	1.15
1 1/2	3450	56J	JM3550	358	K	3516M	12.74	31	75.5	E1	2.3	1.30
1 1/2	1725	56J	JM3554	393	K	3520M	12.74	35	78.5	E	2.5	1.15
2	3450	56J	JM3555	454	K	3524M	13.74	40	80.0	E1	2.7	1.20
2	1725	56J	JM3558	439	K	3528M	13.74	41	82.5	E	3.1	1.15
3	3450	56J	JM3559	493	K	3528M	13.74	44	82.5	E	3.8	1.15
56J C-Face with Base												
1/2	1725	56J	CJM3538	330	K	3416M	11.84	23	74.0	E1	1.0	1.25
3/4	1725	56J	CJM3542	350	K	3420M	11.84	26	75.5	E	1.5	1.25

NOTE: Voltage @ 60 Hz: E1 = 230/260 volts usable at 208 volts, E = 208-230/460 volts. See notes on pages 8 and 9, and inside back flap.

Three Phase - Jet Pump - ODP

1/2 thru 3 Hp

NEMA 56J



Applications: Residential and industrial pumps, swimming pool pumps, etc.

Features: Diecast aluminum end plates with machined steel bearing seat insert.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	S.F.
Stainless Steel Threaded Shaft 56J less Base												
1/3	3450	56J	JM3006	222	K	3410M	11.72	19	62.0	E1	0.8	1.75
1/3	1725	56J	JM3104	243	K	3413M	11.72	21	68.0	E1	0.8	1.35
1/2	3450	56J	JM3107	235	K	3413M	11.72	22	70.0	E1	1.2	1.60
1/2	1725	56J	JM3108	281	K	3416M	9.29	22	74.0	E1	1.0	1.25
3/4	3450	56J	JM3111	279	K	3416M	11.72	23	74.0	E	1.5	1.50
3/4	1725	56J	JM3112	310	K	3420M	12.34	26	75.5	E	1.5	1.25
1	3450	56J	JM3115	310	K	3420M	12.34	26	77.0	E1	1.6	1.40
1	1725	56J	JM3116	†*	K	3424M	13.22	31	78.5	E	1.7	1.15
1 1/2	3450	56J	JM3120	371	K	3424M	13.22	30	74.0	E1	2.2	1.30
1 1/2	1725	56J	JM3154	406	K	3432M	13.72	33	77.0	E	2.8	1.15
2	3450	56J	JM3155	440	K	3430M	13.72	34	82.5	E1	2.7	1.20
2	1725	56J	JM3157	445	K	3524M	13.74	37	78.5	E	3.2	1.15
3	3450	56J	JM3158	523	K	3524M	13.74	42	80.0	E	4.0	1.15
3	1725	56J	JM3161	†*	K	3535M	14.62	52	82.5	E	4.2	1.15
Stainless Steel Threaded Shaft 56J with Base												
1/3	3450	56J	CJM3006	229	K	3410M	11.91	20	62.0	E1	0.8	1.75
1/3	1725	56J	CJM3104	266	K	3413M	11.85	22	68.0	E1	0.8	1.35
1/2	3450	56J	CJM3107	244	K	3413M	11.72	23	70.0	E1	1.2	1.60
1/2	1725	56J	CJM3108	298	K	3416M	11.72	24	74.0	E1	1.0	1.25
3/4	3450	56J	CJM3111	279	K	3416M	11.72	24	74.0	E	1.5	1.50
3/4	1725	56J	CJM3112	319	K	3420M	12.34	27	75.5	E	1.5	1.25
1	3450	56J	CJM3115	312	K	3420M	12.34	28	77.0	E1	1.6	1.40
1 1/2	3450	56J	CJM3120	380	K	3424M	13.22	31	81.5	E1	2.0	1.30
2	3450	56J	CJM3155	452	K	3430M	13.72	36	82.5	E1	2.7	1.20
3	3450	56J	CJM3158	535	K	3524M	13.74	42	80.0	E	4.0	1.15

ALL ABOVE RATINGS CAN BE UL 1081 COMPLIANT THROUGH MOD EXPRESS. SEE MOD EXPRESS PROGRAM SECTION IN THIS CATALOG FOR MORE DETAILS

NOTE: All threaded shaft single phase motors are connected single rotation - CCW when viewing drive end.

Voltage @ 60 Hz: E = 208-230/460 volts, E1= 230/460 usable at 208 volts. See notes on pages 8 and 9, and inside back flap.

Three Phase - Continuous Duty - SAE Hydraulic Pump Motors

1 thru 10 Hp

NEMA 56YZ thru 215TYZ



Applications: Hydraulic pumps for lifts, trash compactors and other machinery

Features: TEFC motors designed for continuous duty (may be used on intermittent duty applications). Base mount with SAE A or B pump mount face and shaft . F3 top-mounted conduit box.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Volt Code
1	3450	56YZ	HPM3545	434	K	3513M	10.45	35	E
1 1/2	3450	143TYZ	HPM3550T	466	L1	3520M	11.45	39	E
2	3450	145TYZ	HPM3555T	503	L1	3526M	11.45	45	E
3	1750	182TYZ	HPM3611T	531	L1	3546M	13.70	70	E
5	1750	184TYZ	HPM3615T	587	L1	3633M	13.50	83	E
7 1/2	1760	213TYZ	HPM3710T	755	L1	3730M	14.66	133	E
10	1760	215TYZ	HPM3714T	891	L1	3738M	15.79	145	E

NOTE: E = 208-230/460 volts. See notes on pages 8 and 9, and inside back flap.

General
Information

Single Phase
Motors

General Purpose

Premium Efficient
Super-E® Motors

C-Face
Industrial Motors

Severe Duty
Motors

Washdown Duty
Motors

Explosion Proof
Motors

Pump Motors

Commercial
Motors

Explosion-Proof Jet Pump

1/2 thru 2 Hp

NEMA 56J

Applications: Pumping applications that require a hazardous location motor.

Features: Explosion proof per UL and CSA, Class I, Group D and Class II, Group F & G. UL approved conduit box mounted on motor. Epoxy paint.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	S.F.	
Single Phase less Base													
1/2	3450	56J	JL5003A	◆⑦	481	K	X3513L	14.79	37	55.0	B	3.9	1.00
3/4	3450	56J	JL5006A	◆⑦	539	K	X3516L	14.79	40	62.0	B	4.9	1.00
1	3450	56J	JL5009A	◆⑦	578	K	X3524L	15.68	48	66.0	B	6.0	1.00
1 1/2	3450	56J	JL5030	◆⑧	743	K	X3528L	15.68	53	70.0	A	7.5	1.00
2	3450	56J	JL5031	◆⑧	808	K	X3535L	16.56	60	74.0	A	11.5	1.00
Three Phase less Base													
1	3450	56J	JM7013	◆⑧	639	K	X3416M	13.72	30	75.5	F	1.8	1.00
1 1/2	3450	56J	JM7018	◆⑧	653	K	X3516M	14.79	40	75.5	E	2.3	1.00
2	3450	56J	JM7071	◆⑧	684	K	X3524M	15.67	48	78.5	E	2.7	1.00

NOTE: Voltage @ 60 Hz: A = 115/208-230, B = 115/230, E = 208-230/460, F = 230/460. See notes on pages 8 and 9, and inside back flap.

⑦ = Class I, Group D, Class II, Group F & G, T4. ⑧ = Class I, Group D, Class II, Group F & G, T3C.

Square Flange Pump - ODP

1/2 thru 2 Hp

NEMA 56Y

Applications: Pump applications where square flange mounting plate is required, such as swimming pools.

Features: Ball bearings, stainless steel shaft extension, long life windings.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	S.F.
Single Phase												
1/2	3450	56Y	JSL325A	209	C1	1716L	12.47	21	72.0	B1	3.3	1.60
3/4	3450	56Y	JSL425A	237	C1	1720L	12.97	26	72.0	B1	4.6	1.50
1	3450	56Y	JSL525A	253	C1	1728L	14.16	33	66.0	B1	7.6	1.40
1 1/2	3450	56YZ	JSL625A	313	C1	1924L	14.34	44	72.0	B	9.0	1.30
2	3450	56YZ	JSL725A	375	C1	1928L	14.34	44	70.0	B	13.0	1.20
Three Phase												
1/2	3450	56YZ	JSM3107	235	K	3413M	11.40	21	70.0	E1	1.2	1.60
3/4	3450	56YZ	JSM3111	278	K	3416M	11.40	10	74.0	E	1.5	1.50
1	3450	56YZ	JSM3115	308	K	3420M	12.02	26	77.0	E1	1.6	1.40
1 1/2	3450	56YZ	JSM3120	368	K	3424M	12.77	30	81.5	E1	2.0	1.20
2	3450	56YZ	JSM3155	436	K	3430M	13.40	34	82.5	E1	2.7	1.20

NOTE: Voltage @ 60 Hz: B= 115/230, E1=230/460 usable at 208 volts, E = 208-230/460 volts.

See notes on pages 8 and 9, and inside back flap.

Single Phase - Close-Coupled Pump - TEFC and ODP

3 thru 10 Hp

NEMA 182 thru 215
(JM, JP, TCZ)



Applications: Pumping systems where only single phase power is available.

Features: Heavy gauge steel frame construction, corrosion resistant finish, ball bearings, suitable for mounting in any position.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	S.F.	
TEFC, Mechanical Seal - Type JM													
3	3450	182JM	JML3606T	†*	722	L1	3634L	18.06	78	76.0	B1	14.5	1.15
5	3450	184JM	JML3608T	†♦	962	L1	3640LC	19.55	91	83.0	C	19.5	1.00
ODP, Mechanical Seal - Type JM													
3	3450	182JM	JML1406T		689	L1	3628L	16.50	70	78.0	A	14.0	1.15
3	1725	184JM	JML1408T		790	L1	3634LC	16.50	81	78.0	B1	16.0	1.15
5	3500	184JM	JML1409T	†*	973	L1	3634LC	16.50	81	80.0	D1	21.5	1.15
5	1725	213JM	JML1508T		1121	L1	3735L	18.19	122	73.0	D1	26.7	1.15
7 1/2	3450	213JM	JML1509T		1397	L1	3729L	18.19	116	81.0	D1	37.0	1.15
7 1/2	1725	215JM	JML1510T		1477	L1	3744LC	19.31	142	85.5	D1	31.0	1.15
10	3450	215JM	JML1511T	†*	1718	L1	3740L	19.31	139	83.0	D1	46.0	1.15
10	1725	215JM	JML1512T	†*	1828	L1	3744LC	20.95	149	84.0	D1	41.0	1.15
ODP, Packed Pump - Type JP													
3	3450	182JP	JPL1406T		689	L1	3628L	12.25	75	78.0	B1	14.0	1.15
3	1725	182JP	JPL1408T		790	L1	3634LC	12.25	85	78.0	B1	16.0	1.15
5	3450	184JP	JPL1409T	†*	973	L1	3634LC	19.57	88	80.0	D1	21.5	1.15
5	1725	213JP	JPL1508T		1121	L1	3735L	22.07	124	73.0	D1	26.7	1.15
7 1/2	3450	213JP	JPL1509T		1397	L1	3729L	22.07	118	81.0	D1	37.0	1.15
7 1/2	1725	215JP	JPL1510T		1477	L1	3744LC	23.19	143	85.5	D1	31.0	1.15
10	3450	215JP	JPL1511T	†*	1718	L1	3740L	23.19	145	83.0	D1	46.0	1.15
10	1725	215JP	JPL1512T	†*	1828	L1	3744LC	20.95	157	84.0	D1	41.0	1.15
ODP, West Coast Fit													
3	3450	182TCZ	WCL1406T		693	L1	3628L	12.38	83	78.0	B1	14.0	1.15
3	1725	184TCZ	WCL1408T		796	L1	3634LC	12.38	91	78.0	B1	16.0	1.15
5	3450	184TCZ	WCL1409T	†*	981	L1	3634L	12.38	92	75.0	D1	23.0	1.15
5	1725	213TCZ	WCL1508T		1131	L1	3735L	21.25	125	74.0	D1	28.5	1.15
7 1/2	3450	213TCZ	WCL1509T		1406	L1	3729L	21.25	117	81.0	D1	37.0	1.15
10	3450	215TCZ	WCL1511T	†*	1733	L1	3740L	22.38	142	83.0	D1	46.0	1.15

NOTE: Voltage @ 60 Hz: A = 115/208-230, B1= 115/230 usable at 208 volts, C = 230, D1= 230 usable at 208 volts.
See notes on pages 8 and 9, and inside back flap.

General
Information

Single Phase
Motors

General Purpose

Premium Efficient
Super-E® Motors

C-Face
Industrial Motors

Severe Duty
Motors

Washdown Duty
Motors

Explosion Proof
Motors

Pump Motors

Commercial
Motors

Three Phase - Washdown Close-Coupled Pump, TENV and TEFC

1 thru 15 Hp

NEMA 143JM thru 215JM



Applications: Commercial and industrial water pumps, food processing and applications that expose the motor to high pressure washdown.

Features: Over-sized ball bearings with locked drive end construction for minimum shaft movement. Moisture sealant on bolt heads, between frame and endplates. Neoprene gaskets, Forsheda® running contact v-ring. Stainless steel shaft. Electrostatic epoxy coating. Tropicalized.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	S.F.
1	1725	143JM	JMWDM3546T †*	616	L1	3524M	14.25	42	81.5	E	1.6	1.15
1 1/2	3450	143JM	JMWDM3550T †*	645	L1	3516M	15.43	37	75.5	F	2.3	1.15
1 1/2	1725	145JM	JMWDM3554T †♦	645	L1	3535M	15.13	52	82.5	E	2.1	1.00
2	3450	145JM	JMWDM3555T †*	717	L1	3524M	15.43	44	78.5	E	2.7	1.15
2	1725	145JM	JMWDM3558T †*	674	L1	3528M	15.43	47	82.5	E	3.1	1.15
3	3450	145JM	JMWDM3559T †*	807	L1	3528M	15.43	49	82.5	E	3.8	1.15
3	1725	182JM	JMWDM3611T †*	807	L1	3623M	16.67	57	82.5	E	4.3	1.15
5	3450	184JM	JMWDM3613T †*	1035	L1	3628M	18.05	80	85.5	E	6.0	1.15
5	1725	184JM	JMWDM3615T †*	903	L1	3634M	18.05	85	85.5	E	6.6	1.15
7 1/2	3450	184JM	JMWDM3616T †♦	1172	L1	3640M	19.55	97	87.5	E	8.6	1.00
7 1/2	1760	213JM	JMWDM3710T †*	1155	L1	3725M	19.78	126	87.5	E	10.4	1.15
10	3450	215JM	JMWDM3711T †*	1576	L1	3730M	19.78	132	87.5	E	11.9	1.15
10	1725	215JM	JMWDM3714T †♦	1459	L1	3740M	20.91	141	87.5	E	13.0	1.00
15	3450	215JM	JMWDM3713T ††♦	1878	L1	3744M	20.91	154	86.5	F	17.0	1.00

NOTE: Voltage @ 60 Hz: E = 208-230/460 volts, F = 230/460 volts. See notes on pages 8 and 9, and inside back flap.

Three Phase - Close-Coupled Pump - TEFC and ODP

1 thru 50 Hp

NEMA 143JM thru 326JP



Applications: Applications for circulating and transferring fluids. Mounting designed to support pump unit.

Features: Over-sized ball bearings with locked drive end construction to minimize endplay. Open drip-proof, close coupled pump motors are furnished with rodent screens at both ends. EJMM Super-E motors have NEMA Premium® efficiency.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	S.F.
Totally Enclosed Fan Cooled C-Face with Base												
1	1750	143JM	EJMM3546T †*	561	L1	3524M	15.43	44	86.5	E	1.4	1.15
1	1725	143JM	JMM3546T	424	L1	3516M	15.43	37	77.0	E	1.7	1.15
1 1/2	3450	143JM	EJMM3550T †*	557	L1	3524M	15.43	47	85.5	E	2.0	1.15
1 1/2	3450	143JM	JMM3550T	445	L1	3516M	15.43	38	75.5	E	2.3	1.15
1 1/2	1740	145JM	EJMM3554T †*	597	L1	3528M	15.43	49	86.5	F	2.0	1.15
1 1/2	1725	145JM	JMM3554T	445	L1	3520M	15.43	41	78.5	E	2.5	1.15
1 1/2	1725	145JP	JPM3554T	445	L1	3520M	18.50	42	78.5	E	2.5	1.15
2	3450	145JM	EJMM3555T †*	598	L1	3532M	16.31	54	86.5	E	2.5	1.15
2	3450	145JM	JMM3555T	496	L1	3524M	15.43	45	78.5	E	2.7	1.15
2	3450	145JP	JPM3555T	496	L1	3524M	18.50	45	78.5	E	2.7	1.15
2	1725	145JM	EJMM3558T †*	610	L1	3532M	16.31	52	86.5	E	2.7	1.15
2	1725	145JM	JMM3558T	465	L1	3528M	15.43	47	82.5	E	3.1	1.15
2	1725	145JP	JPM3558T	465	L1	3528M	18.50	47	82.5	E	3.1	1.15

NOTE: Voltage @ 60 Hz: E = 208-230/460 volts, F = 230/460 volts. See notes on pages 8 and 9, and inside back flap.

Three Phase - Close-Coupled Pump - TEFC and ODP continued...

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	S.F.
Totally Enclosed Fan Cooled C-Face with Base												
3	3450	145JM	EJMM3559T	†*	642	L1	3540M	17.68	61	87.5	E	1.15
3	3450	145JM	JMM3559T	†*	557	L1	3528M	15.43	50	82.5	E	1.15
3	3450	145JP	JPM3559T	†*	557	L1	3528M	18.50	51	82.5	E	1.15
3	3450	182JM	EJMM3610T	†*	643	L1	3540M	18.19	64	87.5	E	1.15
3	3450	182JM	JMM3610T	†*	578	L1	3528M	16.81	53	82.5	E	1.15
3	3450	182JP	JPM3610T	†*	578	L1	3528M	19.88	56	82.5	E	1.15
3	1760	182JM	EJMM3611T	†*	708	L1	3628M	18.06	75	89.5	E	1.15
3	1725	182JM	JMM3611T	†*	557	L1	3623M	16.69	58	82.5	E	1.15
3	1725	182JP	JPM3611T	†*	557	L1	3623M	20.06	60	82.5	E	1.15
5	3500	184JM	EJMM3613T	†*	763	L1	3634M	18.06	81	90.2	E	1.15
5	3450	184JM	JMM3613T	†*	713	L1	3628M	18.06	76	85.5	E	1.15
5	3450	184JP	JPM3613T	†*	713	L1	3628M	21.43	77	85.5	E	1.15
5	1750	184JM	EJMM3615T	†*	710	L1	3643M	19.56	95	90.2	E1	1.15
5	1725	184JM	JMM3615T	†*	622	L1	3634M	18.06	78	85.5	E	1.15
5	1725	184JP	JPM3615T	†*	622	L1	3634M	21.43	82	85.5	E	1.15
7 1/2	3450	184JM	JMM3616T	†♦	807	L1	3640M	19.56	91	87.5	E	1.00
7 1/2	3450	184JP	JPM3616T	†♦	807	L1	3640M	22.93	94	87.5	E	1.00
7 1/2	3525	213JM	EJMM3709T	†*	1000	L1	3733M	19.81	142	91.0	E1	1.15
7 1/2	3450	213JM	JMM3709T	†*	909	L1	3723M	19.81	109	84.0	E	1.15
7 1/2	3450	213JP	JPM3709T	†*	909	L1	3723M	23.64	110	84.0	E	1.15
7 1/2	3450	213TCZ	WCM3709T	†*	888	L1	3723M	22.82	108	84.0	E	1.15
7 1/2	1770	213JM	EJMM3710T	†*	1081	L1	3736M	20.94	160	91.7	E1	1.15
7 1/2	1760	213JM	JMM3710T	†*	797	L1	3725M	19.81	124	87.5	E	1.15
7 1/2	1760	213JP	JPM3710T	†*	815	L1	3725M	23.66	127	87.5	E	1.15
7 1/2	1760	213TCZ	WCM3710T	†*	797	L1	3725M	22.82	126	87.5	E	1.15
10	3500	215JM	EJMM3711T	†*	1149	L1	3744M	20.94	154	91.7	E1	1.15
10	3450	215JM	JMM3711T	†*	1087	L1	3730M	19.81	131	87.5	E	1.15
10	3450	215JP	JPM3711T	†*	1087	L1	3730M	23.64	133	87.5	E	1.15
10	3450	215TCZ	WCM3711T	†*	1062	L1	3730M	22.82	132	87.5	E	1.15
10	1760	215JM	EJMM3714T	†*	1271	L1	3752M	22.44	158	92.4	E	1.15
10	1725	215JM	JMM3714T	†♦	1006	L1	3740M	20.94	137	87.5	E	1.00
10	1725	215JP	JPM3714T	†♦	1006	L1	3740M	24.77	145	87.5	E	1.00
10	1725	215TCZ	WCM3714T	†♦	984	L1	3740M	23.95	137	87.5	E	1.00
15	3450	215JM	JMM3713T	†♦	1433	L1	3744M	20.94	159	86.5	E	1.00
15	3450	215JP	JPM3713T	†♦	1433	L1	3744M	24.77	154	86.5	E	1.00
15	3450	215TCZ	WCM3713T	†♦	1267	L1	3744M	23.95	160	86.5	E	1.00
15	3525	254JM	EJMM2394T	†*	2099	L1	0934M	25.16	248	91.7	E1	1.15
15	3500	254JM	JMM2394T	†*	1885	L1	0744M	23.07	219	86.5	E	1.15
15	3500	254JP	JPM2394T	†*	1885	L1	0744M	25.95	223	86.5	E	1.15
15	1765	254JM	EJMM2333T	†*	2081	L1	0936M	25.16	255	92.4	E1	1.15
15	1760	254JM	JMM2333T	†*	1838	L1	0744M	23.07	233	87.5	E	1.15
15	1760	254JP	JPM2333T	†*	1838	L1	0744M	25.95	236	87.5	E	1.15
20	3520	256JM	EJMM4106T	†*	2312	L1	0940M	25.16	282	92.4	E1	1.15
20	3500	256JM	JMM4106T	†*	2075	L1	0750M	24.83	260	88.5	E	1.15
20	3500	256JP	JPM4106T	†*	2075	L1	0750M	27.70	182	88.5	E	1.15
20	1765	256JM	EJMM2334T	†*	2348	L1	0952M	25.16	303	93.0	E1	1.15
20	1760	256JM	JMM2334T	†*	1946	L1	0938M	25.16	280	91.0	E1	1.15
20	1760	256JP	JPM2334T	†*	1946	L1	0938M	28.04	283	91.0	E1	1.15
25	3530	284JM	EJMM4107T	†*	2687	L1	0950M	26.84	383	93.0	E1	1.15
25	3510	284JM	JMM4107T	†*	2331	L1	0940M	26.84	378	90.2	E1	1.15
25	3510	284JP	JPM4107T	†*	2331	L1	0940M	29.72	373	90.2	E1	1.15
25	1770	284JM	EJMM4103T	†*	2783	L1	1046M	28.64	418	93.6	E1	1.15
25	1760	284JM	JMM4103T	†*	2275	L1	1034M	28.64	372	89.5	E1	1.15
25	1760	284JP	JPM4103T	†*	2275	L1	1034M	31.51	380	89.5	E1	1.15

NOTE: Voltage @ 60 Hz: E = 208-230/460 volts, E1=230/460 usable at 208 volts.
See notes on pages 8 and 9, and inside back flap.

SHADED RATINGS ARE CAST IRON FRAMES

General
Information

Single Phase
Motors

General Purpose

Premium Efficient
Super-E® Motors

C-Face
Industrial Motors

Severe Duty
Motors

Washdown Duty
Motors

Explosion Proof
Motors

Pump Motors

Commercial
Motors

Three Phase - Close-Coupled Pump - TEFC and ODP continued...

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number		List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	S.F.
Totally Enclosed Fan Cooled C-Face with Base continued...													
30	3530	286JM	EJMM4108T	†*	3696	L1	1042M	28.64	382	93.0	E1	33.0	1.15
30	3510	286JM	JMM4108T	†*	3050	L1	0950M	26.84	380	91.0	E1	34.0	1.15
30	3510	286JP	JPM4108T	†*	3050	L1	0950M	29.72	303	91.0	E1	34.0	1.15
30	1770	286JM	EJMM4104T	†*	3298	L1	1060M	28.64	451	94.1	E1	36.0	1.15
30	1760	286JM	JMM4104T	†*	2802	L1	1040M	28.64	416	90.2	E1	38.0	1.15
30	1760	286JP	JPM4104T	†*	2802	L1	1040M	31.51	403	90.2	E1	38.0	1.15
40	3540	324JM	EJMM4109T	†*	4186	L1	1240M	30.53	517	93.6	E1	44.0	1.15
40	3530	324JM	JMM4109T	†*	3662	L1	1234M	30.53	486	91.7	E1	45.0	1.15
40	3550	324JP	JPM4109T	†*	3662	L1	1234M	33.41	535	89.5	E1	46.0	1.15
40	1775	324JM	EJMM4110T	†*	4288	L1	1260M	30.53	587	94.5	E1	46.0	1.15
40	1770	324JM	JMM4110T	†*	3530	L1	1240M	30.53	525	90.2	E1	49.0	1.15
40	1770	324JP	JPM4110T	†*	3530	L1	1240M	33.41	564	90.2	E1	49.0	1.15
50	3540	326JM	EJMM4114T	†*	5065	L1	1252M	30.53	575	94.1	E1	54.0	1.15
50	3525	326JM	JMM4114T	†*	3995	L1	1064M	30.64	572	92.4	E1	56.0	1.15
50	3525	326JP	JPM4114T	†*	3995	L1	1064M	33.51	550	92.4	E1	56.0	1.15
50	1775	326JM	EJMM4115T	†*	5154	L1	1266M	30.53	633	94.5	E1	57.0	1.15
50	1760	326JM	JMM4115T	†*	4138	L1	1246M	30.53	560	91.0	E1	60.0	1.15
50	1760	326JP	JPM4115T	†*	4138	L1	1246M	33.41	563	91.0	E1	60.0	1.15
Totally Enclosed Fan Cooled C-Face less Base													
1	1750	143JM	VEJMM3546T	†*	468	L1	3524M	15.43	41	86.5	E	1.4	1.15
1	1725	143JM	VJMM3546T		431	L1	3516M	14.43	35	77.0	E	1.7	1.15
1 1/2	1750	145JM	VEJMM3554T	†*	494	L1	3528M	15.43	46	87.5	E	2.1	1.15
1 1/2	1725	145JM	VJMM3554T		452	L1	3520M	14.43	37	78.5	E	2.5	1.15
2	1750	145JM	VEJMM3558T	†*	592	L1	3535M	16.31	52	86.5	E	2.5	1.15
2	1725	145JM	VJMM3558T		473	L1	3528M	15.43	45	82.5	E	3.1	1.15
3	1760	182JM	VEJMM3611T	†*	675	L1	3628M	18.05	73	89.5	E	4.1	1.15
3	1725	182JM	VJMM3611T	†*	565	L1	3623M	16.83	53	82.5	E	4.3	1.15
5	1750	184JM	VEJMM3615T	†*	779	L1	3640M	19.70	90	90.2	E	6.5	1.15
5	1725	184JM	VJMM3615T	†*	634	L1	3634M	18.05	76	85.5	E	6.6	1.15
7 1/2	1760	213JM	VEJMM3710T	†*	1142	L1	3736M	20.89	128	91.7	F	9.4	1.15
7 1/2	1725	213JM	VJMM3710T	†*	823	L1	3735M	19.76	120	87.5	E	10.0	1.15
10	1760	215JM	VEJMM3714T	†*	1322	L1	3752M	22.37	154	92.4	E1	12.5	1.15
10	1725	215JM	VJMM3714T	†♦	1017	L1	3740M	20.89	133	87.5	E	13.0	1.00
15	1760	254JM	VJMM2333T	†*	1855	L1	0744M	21.82	200	87.5	E	20.0	1.15
20	1760	256JM	VJMM2334T	†*	1917	L1	0938M	25.16	299	91.0	E1	24.0	1.15
Open Drip Proof C-Face with Base													
1	1740	143JM	EJMM3116T	†*	479	L1	3520M	13.75	40	85.5	E	1.4	1.15
1	1725	143JM	JMM3116T		391	L1	3516M	13.75	36	77.0	E	1.7	1.15
1	1725	143JP	JPM3116T		391	L1	3516M	16.81	36	77.0	E	1.7	1.15
1 1/2	3450	143JM	JMM3120T		408	L1	3516M	13.75	36	75.5	E	2.3	1.15
1 1/2	1740	145JM	EJMM3154T	†*	518	L1	3526M	14.25	46	86.5	E	2.1	1.15
1 1/2	1725	145JM	JMM3154T		387	L1	3520M	13.75	38	78.5	E	2.4	1.15
1 1/2	1725	145JP	JPM3154T		387	L1	3520M	16.81	42	78.5	E	2.4	1.15
2	3450	145JM	EJMM3155T	†*	573	L1	3524M	13.75	66	86.5	E	2.5	1.15
2	3450	145JM	JMM3155T		451	L1	3516M	13.75	37	75.5	E	3.0	1.15
2	1725	145JM	EJMM3157T	†*	568	L1	3532M	15.13	51	86.5	E	2.7	1.15
2	1725	145JM	JMM3157T		442	L1	3524M	13.75	41	78.5	E	3.2	1.15
2	1725	145JP	JPM3157T		442	L1	3524M	16.81	42	78.5	E	3.2	1.15
3	3450	145JM	EJMM3158T	†*	644	L1	3535M	15.13	54	87.5	E1	3.7	1.15
3	3450	145JM	JMM3158T		479	L1	3524M	13.75	43	80.0	E	4.0	1.15
3	3450	145JP	JPM3158T		479	L1	3524M	16.81	48	80.0	E	4.0	1.15
3	1760	182JM	EJMM3211T	†*	628	L1	3634M	16.50	72	90.2	E	4.0	1.15
3	1725	182JM	JMM3211T	†*	475	L1	3535M	15.63	60	82.5	E	4.1	1.15
3	1725	182JP	JPM3211T	†*	475	L1	3535M	18.69	62	82.5	E	4.1	1.15

NOTE: Voltage @ 60Hz: E = 208-230/460 volts, E1=230/460 usable at 208 volts, F = 230/460 volts.

SHADED RATINGS ARE CAST IRON FRAMES

See notes on pages 8 and 9, and inside back flap.

Three Phase - Close-Coupled Pump - TEFC and ODP continued...

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	S.F.
Open Drip Proof C-Face with Base continued...												
5	3500	182JM	EJMM3212T	†*	768	L1	3634M	16.50	79	91.0	E	1.15
5	3450	182JM	JMM3212T		539	L1	3535M	15.63	62	85.5	E	1.15
5	3450	182JP	JPM3212T		539	L1	3535M	18.69	63	85.5	E	1.15
5	3450	182TCZ	WCM3212T		528	L1	3623M	18.32	74	84.0	E	1.15
5	1750	184JM	EJMM3218T	†*	710	L1	3639M	18.00	78	90.2	E1	1.15
5	1740	184JM	JMM3218T	†*	514	L1	3625M	16.50	67	82.5	E	1.15
5	1740	184JP	JPM3218T	†*	514	L1	3625M	19.56	69	82.5	E	1.15
7 1/2	3500	184JM	EJMM3219T	†*	908	L1	3646M	18.00	96	90.2	E	1.15
7 1/2	3450	184JM	JMM3219T	†*	659	L1	3628M	16.50	72	84.0	E	1.15
7 1/2	3450	184JP	JPM3219T	†*	659	L1	3628M	19.56	74	84.0	E	1.15
7 1/2	3450	184TCZ	WCM3219T	†*	642	L1	3628M	19.69	84	84.0	E	1.15
7 1/2	1760	213JM	EJMM3311T	†*	1066	L1	3732M	18.19	124	91.7	E1	1.15
7 1/2	1725	213JM	JMM3311T		746	L1	3726M	18.19	104	85.5	E	1.15
7 1/2	1725	213JP	JPM3311T		746	L1	3726M	22.10	108	85.5	E	1.15
10	3500	213JM	EJMM3312T	†*	1170	L1	3736M	19.31	139	91.7	E1	1.15
10	3450	213JM	JMM3312T		896	L1	3720M	18.19	96	82.5	E	1.15
10	3450	213JP	JPM3312T		896	L1	3720M	20.94	100	82.5	E	1.15
10	3450	213TCZ	WCM3312T		876	L1	3720M	21.25	100	82.5	E	1.15
10	1770	215JM	EJMM3313T	†*	1153	L1	3739M	19.31	163	91.7	F	1.15
10	1725	215JM	JMM3313T		886	L1	3726M	18.19	110	87.5	E	1.15
10	1725	215JP	JPM3313T		886	L1	3729M	22.10	116	85.5	E	1.15
15	3525	215JM	EJMM3314T	†*	1506	L1	3744M	19.31	165	91.7	E1	1.15
15	3450	215JM	JMM3314T	†*	1205	L1	3729M	19.78	117	85.5	E	1.15
15	3450	215JP	JPM3314T	†*	1205	L1	3729M	23.69	120	85.5	E	1.15
15	3450	215TCZ	WCM3314T	†*	1182	L1	3729M	22.87	118	85.5	E	1.15
15	1765	254JM	EJMM2513T	†*	1706	L1	3938M	23.19	234	93.0	E1	1.15
15	1760	254JM	JMM2513T		1324	L1	3742M	21.06	190	91.0	E	1.15
15	1760	254JP	JPM2513T		1324	L1	3748M	23.94	156	91.0	E	1.15
20	3510	254JM	EJMM2514T	†*	1896	L1	3932M	23.19	186	92.4	E1	1.15
20	3525	254JM	JMM2514T		1591	L1	3930M	23.19	213	90.2	E	1.15
20	3525	254JP	JPM2514T		1591	L1	3930M	26.06	209	90.2	E1	1.15
20	1765	256JM	EJMM2515T	†*	2043	L1	3944M	23.19	237	93.0	E1	1.15
20	1760	256JM	JMM2515T		1607	L1	3930M	23.19	208	88.5	E	1.15
20	1760	256JP	JPM2515T		1607	L1	3930M	26.06	217	88.5	E1	1.15
25	3525	256JM	EJMM2516T	†*	2248	L1	3940M	23.19	242	93.0	E1	1.15
25	3500	256JM	JMM2516T		1971	L1	3928M	23.19	177	88.5	E1	1.15
25	3500	256JP	JPM2516T		1971	L1	3928M	26.06	177	88.5	E1	1.15
25	1760	284JM	JMM2531T		1990	L1	3938M	25.06	290	88.5	E1	1.15
25	1760	284JP	JPM2531T		1990	L1	3938M	27.94	303	88.5	E1	1.15
30	3530	284JM	EJMM2534T	†*	2858	L1	4040M	24.69	330	93.6	F	1.15
30	3510	284JM	JMM2534T		2022	L1	3936M	25.06	286	91.0	E1	1.15
30	3510	284JP	JPM2534T		2022	L1	3936M	27.94	307	91.0	E1	1.15
30	1760	286JM	JMM2535T		2282	L1	3952M	26.56	314	92.4	E1	1.15
30	1760	286JP	JPM2535T		2282	L1	3952M	29.44	322	92.4	E1	1.15
40	3540	286JM	EJMM2538T	†*	3441	L1	4054M	25.94	377	94.1	F	1.15
40	3500	286JM	JMM2538T		2971	L1	3946M	26.56	331	91.7	E1	1.15
40	3500	286JP	JPM2538T		2971	L1	3946M	29.44	342	91.7	E1	1.15
40	1760	324JM	JMM2539T	†*	2960	L1	4040M	21.19	409	90.2	E1	1.15
40	1760	324JP	JPM2539T	†*	2960	L1	4040M	29.32	367	90.2	E1	1.15
50	3530	324JM	EJMM2542T	†*	3880	L1	4058M	27.44	447	94.1	F	1.15
50	3500	324JM	JMM2542T		3233	L1	4040M	21.19	377	89.5	F	1.15
50	3500	324JP	JPM2542T		3233	L1	4040M	29.32	367	89.5	F	1.15
50	1765	326JM	JMM2543T		3368	L1	4058M	27.44	378	91.7	E1	1.15
50	1765	326JP	JPM2543T		3368	L1	4058M	30.32	408	91.7	E1	1.15

NOTE: Voltage @ 60Hz: E = 208-230/460 volts, E1=230/460 usable at 208 volts, F = 230/460 volts.
See notes on pages 8 and 9, and inside back flap.

General
Information

Single Phase
Motors

General Purpose

Premium Efficient
Super-E® Motors

C-Face
Industrial Motors

Severe Duty
Motors

Washdown Duty
Motors

Explosion Proof
Motors

Pump Motors

Commercial
Motors

Three Phase - Close-Coupled Pump - TEFC and ODP continued...

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	S.F.	
Open Drip Proof C-Face with Base continued...													
60	3520	326JM	JMM2546T	4024	L1	4054M	21.19	403	93.0	F	68.0	1.15	
60	1770	364JP	JPM2547T	3826	L1	4252M	32.44	505	93.6	E1	72.0	1.15	
75	1770	365JP	JPM2551T	5024	L1	4266M	32.44	528	94.1	F	88.0	1.15	
100	1775	404TCZ	JPM2555T	5694	D3	4462M	36.34	1012	94.1	E1	117.0	1.15	
125	1775	405TCZ	JPM2559T	6710	D3	4476M	38.09	752	94.5	F	145.0	1.15	
Open Drip Proof C-Face less Base													
1	1750	143JM	VEJMM3116T	†*	479	L1	3524M	15.43	43	85.5	E	1.4	1.15
1	1725	143JM	VJMM3116T		387	L1	3516M	14.43	35	77.0	E	1.7	1.15
1 1/2	1740	145JM	VEJMM3154T	†*	514	L1	3530M	16.31	52	86.5	E	2.0	1.15
1 1/2	1725	145JM	VJMM3154T		392	L1	3520M	14.43	39	78.5	E	2.4	1.15
2	1725	145JM	VEJMM3157T	†*	563	L1	3532M	16.31	53	86.5	E	2.7	1.15
2	1725	145JM	VJMM3157T		438	L1	3524M	15.43	40	78.5	E	3.2	1.15
3	3450	145JM	VJMM3158T		487	L1	3524M	15.43	46	80.0	E	4.0	1.15
3	1760	182JM	VEJMM3211T	†*	617	L1	3634M	18.06	74	90.2	E	4.0	1.15
3	1725	182JM	VJMM3211T	†*	479	L1	3535M	16.81	57	82.5	E	4.1	1.15
5	3450	182JM	VJMM3212T		564	L1	3535M	16.81	60	85.5	E	6.1	1.15
5	1750	184JM	VEJMM3218T	†*	699	L1	3639M	18.06	79	90.2	E1	6.6	1.15
5	1740	184JM	VJMM3218T	†*	512	L1	3625M	18.06	71	82.5	E	7.0	1.15
7 1/2	3450	184JM	VJMM3219T		665	L1	3634M	18.06	78	85.5	E	9.0	1.15
7 1/2	1770	213JM	VEJMM3311T	†*	1055	L1	3732M	19.78	152	91.7	E1	9.7	1.15
7 1/2	1725	213JM	VJMM3311T		749	L1	3726M	19.78	103	85.5	E	11.0	1.15
10	3450	213JM	VJMM3312T		834	L1	3720M	18.16	94	82.5	E	12.5	1.15
10	1760	215JM	VEJMM3313T	†*	1142	L1	3752M	22.41	158	92.4	E	12.5	1.15
10	1725	215JM	VJMM3313T		876	L1	3729M	19.78	113	85.5	E	14.0	1.15
15	3450	215JM	VJMM3314T	†*	1125	L1	3729M	19.78	117	85.5	E	18.0	1.15

NOTE: Voltage @ 60 Hz: E = 208-230/460 volts, E1 = 230/460 volts usable at 208 volts, F = 230/460 volts.
See notes on pages 8 and 9, and inside back flap.

Three Phase - Close-Coupled Pump - Explosion Proof

3 thru 10 Hp NEMA 145JM thru 215JM

Applications: Applications for circulating and transferring fluids in hazardous locations.

Features: C-face with base. Corrosion resistant epoxy finish, rotors corrosion treated and precision balanced to insure smooth operation. 1.00 Service Factor.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	S.F.
3	3450	145JM	JMM7075T	◆①	947	L1	X3528M	63	82.5	E	3.8	1.00
3	3450	182JM	JMM7026T	◆①	947	L1	X3620M	84	81.5	E	3.9	1.00
5	3450	184JM	JMM7072T	◆①	1280	L1	X3628M	101	85.5	F	6.0	1.00
7 1/2	3450	184JM	JMM7073T	◆①	1439	L1	X3640M	118	87.5	F	8.6	1.00
7 1/2	3450	213JM	JMM7045T	◆①	1688	L1	X3729M	149	84.0	F	9.3	1.00
10	3450	215JM	JMM7074T	◆①	1912	L1	X3740M	171	86.5	F	12.0	1.00

NOTE: Voltage @ 60 Hz: E = 208-230/460, F = 230/460. See notes on pages 8 and 9, and inside back flap. ① = Class I, Group D, T2C.

CAUTION: Explosion-proof motors have a tight fit between mating parts to ensure the integrity of the explosion-proof enclosure. This can lead to an accumulation of moisture inside the motors due to condensation. Care should be used when selecting an explosion-proof motor, especially when installed outdoors and on intermittent duty. These explosion-proof motors are not suitable for use with adjustable speed drives, inverter duty explosion-proof motors must be used. See page 165. See notes on pages 4 and 8.

Three Phase - P-Base Vertical Solid Shaft Pump - 1.15 Service Factor TEFC



3 thru 75 Hp

NEMA 182LP thru 365VP

Applications: For normal medium and high thrust in-line pump applications. Waste water treatment plants, petro chemical industries, pulp and paper mills and agricultural irrigation applications.

Features: Severe duty construction with corrosion resistant epoxy finish, cast iron construction, designed for vertical mounting. Rotatable conduit box, stainless steel nameplates, shaft seals. Energy efficient windings. Two lifting lugs for balanced lifting. VHECP mtoros have NEMA Premium® efficiency and are Inverter-Ready. 1.15 Service Factor.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	Max Thrust Load (lbs)	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
Super-E Efficiency - Normal Thrust											
3	3500	182HP	VHECP3660T	1626	L1	0623M	420	120	89.5	E1	3.5
3	1760	182HP	VHECP3661T	1456	L1	0628M	563	125	89.5	E1	4.0
5	3500	184HP	VHECP3663T	2100	L1	0632M	420	137	90.2	F	5.7
5	1750	184HP	VHECP3665T	1939	L1	0643M	563	140	90.2	E1	6.5
7 1/2	3525	213HP	VHECP3769T	2487	L1	0733M	650	185	91.0	E1	8.6
7 1/2	1770	213HP	VHECP3770T	2407	L1	0735M	563	203	91.7	E1	9.5
10	3500	215HP	VHECP3771T	2594	L1	0744M	760	208	91.7	E1	11.2
10	1760	215HP	VHECP3774T	2701	L1	0748M	563	215	92.4	E1	12.5
15	3525	254HP	VHECP2394T	2990	L1	0934M	895	220	91.7	E1	17.2
15	1765	254HP	VHECP2333T	3100	L1	0936M	1180	235	92.4	E1	18.5
20	3540	256HP	VHECP4106T	3252	L1	0944M	895	318	92.4	E1	23.0
20	1765	256HP	VHECP2334T	3520	L1	0952M	1180	290	93.0	E1	24.0
25	3530	284HP	VHECP4107T	3458	L1	0950M	895	486	93.0	E1	28.0
25	1770	284HP	VHECP4103T	3927	L1	1046M	1180	335	93.6	E1	30.0
30	3520	286HP	VHECP4108T	3808	L1	0954M	895	506	93.0	E1	33.0
30	1770	286HP	VHECP4104T	4408	L1	1060M	1180	500	94.1	E1	36.0
40	3540	324HP	VHECP4109T	5330	L1	1244M	760	653	93.6	E1	45.0
40	1775	324HP	VHECP4110T	4985	L1	1260M	1360	665	94.5	E1	46.0
50	3540	326HP	VHECP4114T	6532	L1	1252M	760	658	94.1	E1	54.0
50	1775	326HP	VHECP4115T	7042	L1	1266M	1360	672	94.5	E1	57.0
60	3560	364HP	VHECP4310T	8346	L1	1458M	1500	743	94.1	E1	67.0
60	1780	364HP	VHECP4314T	8712	L1	1462M	2000	780	95.0	E1	69.0
75	3565	365HP	VHECP4313T	10428	L1	1472M	1500	835	94.5	F	83.0
75	1780	365HP	VHECP4316T	10610	L1	1482M	2000	838	95.4	E1	86.5
Standard Efficiency - Medium Thrust											
3	3450	182LP	VLCP3660T	1600	L1	0620M	710	112	80.0	E	3.9
3	1725	182LP	VLCP3661T	1431	L1	0623M	983	117	84.0	E	4.3
5	3450	184LP	VLCP3663T	2066	L1	0634M	710	129	86.0	E	6.0
5	1725	184LP	VLCP3665T	1907	L1	0634M	983	128	85.5	E	6.6
7 1/2	3450	213LP	VLCP3769T	2447	L1	0723M	1020	177	84.0	E	9.1
7 1/2	1750	213LP	VLCP3770T	2367	L1	0735M	1290	195	87.5	E	10.0
10	3450	215LP	VLCP3771T	2552	L1	0735M	1020	200	85.5	E	12.0
10	1750	215LP	VLCP3774T	2656	L1	0740M	1290	206	87.5	E	13.5
15	3500	254LP	VLCP2394T	2940	L1	0744M	1350	212	86.5	E	17.5
15	1760	254LP	VLCP2333T	3048	L1	0744M	1700	227	87.5	E	20.0
20	3515	256LP	VLCP4106T	3210	L1	0932M	1350	308	89.5	E1	23.0
20	1760	256LP	VLCP2334T	3460	L1	0938M	1700	280	91.0	E1	24.0
25	3510	284LP	VLCP4107T	3401	L1	0940M	1350	476	90.2	E1	28.0
25	1760	286LP	VLCP4103T	3862	L1	1044M	1700	465	91.0	E1	30.0
30	3510	286LP	VLCP4108T	3743	L1	0950M	1350	496	91.0	E1	34.0
30	1760	286LP	VLCP4104T	4334	L1	1050M	1700	490	91.0	E1	37.0
40	3530	324LP	VLCP4109T	5241	L1	1234M	1880	624	91.7	E1	45.0
40	1775	324LP	VLCP4110T	4902	L1	1248M	2370	649	93.0	E1	47.0
Standard Efficiency - High Thrust											
50	3550	326VP	VPCP4114T	6423	L1	1246M	3410	663	90.2	E1	58.0
50	1760	326VP	VPCP4115T	6924	L1	1246M	4300	659	91.0	E1	60.0
60	3550	364VP	VPCP4310T	7386	L1	1440M	3410	723	90.2	E1	69.0
60	1775	364VP	VPCP4314T	7711	L1	1450M	6000	760	93.6	E1	70.0
75	3550	365VP	VPCP4313T	9227	L1	1448M	3410	815	91.0	E1	84.0
75	1775	365VP	VPCP4316T	9389	L1	1462M	6000	808	94.1	E1	86.0

NOTE: Voltage @ 60Hz: E1=230/460 usable at 208 volts, E = 208-230/460 volts

See notes on pages 8 and 9, and inside back flap. See Bearing Load notes at bottom of page 88.

SHADED RATINGS ARE CAST IRON FRAMES

General
Information

Single Phase
Motors

General Purpose

Premium Efficient
Super-E® Motors

C-Face
Industrial Motors

Severe Duty
Motors

Washdown Duty
Motors

Explosion Proof
Motors

Pump Motors

Commercial
Motors

Three Phase - P-Base Vertical Solid Shaft Pump - 1.15 Service Factor ODP



**3 thru 75 Hp
1.15 Service Factor**

NEMA 182HP thru 365HP

Applications: For normal thrust applications. Waste water treatment plants, petro-chemical, pulp and plants and agricultural irrigation application.

Features: Cast iron frame and endplates. EPA efficiency for energy efficiency over typical P-Base designs. Rotatable conduit box, stainless nameplate, epoxy finish. Two lifting lugs for balanced lifting.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	Max Thrust Load (lbs)	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	
EPAct High Efficiency - Normal Thrust												
3	3450	182HP	VHM3210T	†*	1454	L1	0617M	420	112	84.0	E	3.7
3	1750	182HP	VHM3211T	†*	1299	L1	0623M	563	117	86.5	E	4.2
5	3450	184HP	VHM3212T	†*	1876	L1	0628M	420	129	85.5	E	5.7
5	1750	184HP	VHM3218T	†*	1732	L1	0638M	563	128	87.5	E	6.7
7 1/2	3450	184HP	VHM3219T	†*	2222	L1	0640M	650	177	87.5	E	8.5
7 1/2	1760	213HP	VHM3311T	†*	2150	L1	0725M	563	195	88.5	E	10.7
10	3450	213HP	VHM3312T	†*	2319	L1	0725M	760	200	88.5	E	11.6
10	1760	215HP	VHM3313T	†*	2412	L1	0733M	563	206	89.5	E	13.0
15	3450	215HP	VHM3314T	†*	2448	L1	0740M	895	212	89.5	E	16.8
15	1760	254HP	VHM2513T	†*	2537	L1	0938M	1180	227	91.0	E	18.1
20	3510	254HP	VHM2514T	†*	2663	L1	0928M	895	308	90.2	E1	23.5
20	1760	256HP	VHM2515T	†*	2882	L1	0936M	1180	280	91.0	E1	25.0
25	3510	256HP	VHM2516T	†*	2833	L1	0934M	895	476	91.0	E1	29.0
25	1770	284HP	VHM2531T	†*	3216	L1	1040M	1180	465	92.4	E1	30.0
30	3520	284HP	VHM2534T	†*	3117	L1	1036M	895	496	91.0	E1	34.0
30	1775	286HP	VHM2535T	†*	3611	L1	1046M	1180	490	92.4	E1	38.2
40	3520	286HP	VHM2538T	†*	4498	L1	1040M	760	624	91.7	E1	46.0
40	1775	324HP	VHM2539T	†*	4207	L1	1248M	1360	649	93.0	E1	47.0
50	3540	324HP	VHM2542T	†*	5512	L1	1244M	760	663	92.4	E1	56.0
50	1770	326HP	VHM2543T	†*	5942	L1	1254M	1360	659	93.0	E1	59.0
60	3540	326HP	VHM2546T	†*	7043	L1	1254M	1500	723	93.0	E1	67.0
60	1775	364HP	VHM2547T	†*	7351	L1	1450M	2000	760	93.6	E1	70.0
75	3550	364HP	VHM2549T	†*	8799	L1	1452M	1500	815	93.0	F	85.0
75	1775	365HP	VHM2551T	†*	8952	L1	1462M	2000	808	94.1	E1	90.0

NOTE: Voltage @ 60Hz: E = 208-230/460V, E1=230/460 usable at 208 volts, F = 230/460 volts

SHADED RATINGS ARE CAST IRON FRAMES

See notes on pages 8 and 9, and inside back flap.

VHECP, VHM and VLCP motors are capable of 100% thrust in either direction.

VPCP motors are capable of 100% thrust stated in downward direction (out of motor) and 40% upward thrust (into motor).

Custom TEFC motors available through 900 Hp; Open and WPII motors through 1250 Hp. Contact your Baldor Sales Representative.

(THRUST BEARINGS MUST BE LOADED TO A MINIMUM OF 20% OF RATED THRUST FOR PROPER BEARING LOADING AND LIFE.)

General
Information

Single Phase
Motors

General Purpose

Premium Efficient
Super-E® Motors

C-Face
Industrial Motors

Severe Duty
Motors

Washdown Duty
Motors

Explosion Proof
Motors

Pump Motors

Commercial
Motors

Single Phase - Commercial Duty, Jet Pump - ODP

1/4 thru 3 Hp

NEMA 56C and 56J

Applications:

Commercial Pumps, Residential Pumps, Swimming Pool Pumps, etc.

Features:

40°C Ambient, 60 Hertz, Aluminum Endplates, Automatic Thermal Overload, Ball Bearings, Capacitor Start, High Service Factors, Terminal Panel with Quick Connections and ground screw, Shaft Slinger



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Volts	Full Load Amps	S.F.
Stainless Steel Threaded Shaft 56J Less Base - Open Drip Proof											
1/4	1725	56J	JL145A	179	C1	1710L	11.58	20	115/230*	4.4/2.2	1.35
1/3	3450	56J	JL225A	175	C1	1713L	11.83	21	115/230*	5.6/2.8	1.75
1/3	1725	56J	JL245A	208	C1	1712L	11.58	24	115/230*	5.4/2.7	1.35
1/2	3450	56J	JL325A	194	C1	1716L	13.08	21	115/230*	6.6/3.3	1.60
1/2	1725	56J	JL345A	238	C1	1718L	13.08	22	115/230*	7.2/3.6	1.25
3/4	3450	56J	JL425A	221	C1	1720L	13.08	24	115/230*	9.2/4.6	1.50
3/4	1725	56J	JL445A	266	C1	1728L	13.58	25	115/230*	10.6/5.3	1.25
1	3450	56J	JL525A	251	C1	1728L	13.58	25	115/230*	15.2/7.6	1.40
1	1725	56J	JL545A	314	C1	1920L	12.84	34	115/230*	13.4/6.7	1.15
1 1/2	3450	56J	JL625A	303	C1	1924L	12.84	42	115/230	18/9	1.30
2	3450	56J	JL725A	365	C1	1928L	13.84	44	115/230	26/13	1.20
3	3450	56J	JL825A	418	C1	1935LC	14.72	52	230	13	1.15
Keyed Shaft 56C Less Base - Open Drip Proof											
1/4	1725	56C	VL145A	173	C1	1710L	11.08	21	115/230*	4.4/2.2	1.35
1/3	3450	56C	VL225A	168	C1	1713L	11.33	22	115/230*	5.6/2.8	1.75
1/3	1725	56C	VL245A	202	C1	1712L	11.08	24	115/230*	5.4/2.7	1.35
1/2	3450	56C	VL325A	190	C1	1716L	12.58	22	115/230*	6.6/3.3	1.60
1/2	1725	56C	VL345A	232	C1	1718L	12.58	23	115/230*	7.2/3.6	1.25
3/4	3450	56C	VL425A	216	C1	1720L	12.58	26	115/230*	9.2/4.6	1.50
3/4	1725	56C	VL445A	258	C1	1728L	13.08	26	115/230*	10.6/5.3	1.25
1	3450	56C	VL525A	242	C1	1728L	13.08	28	115/230*	15.2/7.6	1.40
1	1725	56C	VL545A	297	C1	1920L	11.69	34	115/230*	13.4/6.7	1.15
1 1/2	3450	56C	VL625A	284	C1	1924L	12.69	38	115/230	18/9	1.30
2	3450	56C	VL725A	342	C1	1928L	12.69	44	115/230	26/13	1.20
3	3450	56C	VL825A	393	C1	1935LC	13.57	53	230	13	1.15

NOTE: Data subject to change without notice. Contact Baldor for certified data.

* Voltage @ 60 Hz. usable @ 208 volts.

General
Information

Single Phase
Motors

General Purpose

Premium Efficient
Super-E® Motors

C-Face
Industrial Motors

Severe Duty
Motors

Washdown Duty
Motors

Explosion Proof
Motors

Pump Motors

Commercial
Motors

Single Phase - Two Compartment Jet Pump - ODP

1/4 thru 1 Hp

NEMA 56C and 56J



Applications:

Swimming Pool Pumps, Spa and Hot Tub pumps

Features:

50°C Ambient, 60 Hertz, Aluminum Endplates, Automatic Thermal Overload, Ball Bearings, Capacitor Start, High Service Factors, Terminal Panel with Quick Connections and Ground Screw, Shaft Slinger, easier maintenance.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Volts	Full Load Amps	S.F.
Stainless Steel Threaded Shaft 56J Less Base - Open Drip Proof											
1/4	1725	56J	J2L145A	190	C1	1710L	13.59	20	115/230*	4.4/2.2	1.35
1/3	3450	56J	J2L225A	183	C1	1713L	13.59	21	115/230*	5.6/2.8	1.75
1/2	3450	56J	J2L325A	205	C1	1716L	14.84	21	115/230*	6.6/3.3	1.60
1/2	1725	56J	J2L345A	251	C1	1720L	14.84	22	115/230*	7.2/3.6	1.25
3/4	3450	56J	J2L425A	233	C1	1720L	14.84	24	115/230*	9.2/4.6	1.50
3/4	1725	56J	J2L445A	280	C1	1728L	15.34	25	115/230*	10.6/5.3	1.25
1	3450	56J	J2L525A	263	C1	1728L	15.34	25	115/230*	15.2/7.6	1.40
Keyed Shaft 56C Less Base - Open Drip Proof											
1/4	1725	56C	V2L145A	182	C1	1710L	13.10	21	115/230*	4.4/2.2	1.35
1/3	3450	56C	V2L225A	177	C1	1713L	13.10	22	115/230*	5.6/2.8	1.75
1/3	1725	56C	V2L245A	212	C1	1714L	13.10	24	115/230*	5.4/2.7	1.35
1/2	3450	56C	V2L325A	200	C1	1716L	14.35	22	115/230*	6.6/3.3	1.60
1/2	1725	56C	V2L345A	242	C1	1720L	14.35	23	115/230*	7.2/3.6	1.25
3/4	3450	56C	V2L425A	227	C1	1720L	14.35	26	115/230*	9.2/4.6	1.50
3/4	1725	56C	V2L445A	272	C1	1728L	14.85	26	115/230*	10.6/5.3	1.25
1	3450	56C	V2L525A	255	C1	1728L	14.85	28	115/230*	15.2/7.6	1.40

NOTE: Data subject to change without notice. Contact Baldor for certified data.

* Voltage @ 60 Hz. usable @ 208 volts.

Single Phase - Commercial Square Flange Pump - ODP

1/3 thru 2 Hp

NEMA 56YZ



Applications:

Commercial Pumps, Residential Pumps, Swimming Pool Pumps, etc.

Features:

40°C Ambient, 60 Hertz, Aluminum Endplates, Ball Bearings, Capacitor Start (Single Phase only), Stainless Steel Shaft Extension, Terminal Panel with Quick Connections (Single Phase only), Automatic Thermal Overload (Single Phase only), Ground Screw in Lead End Endplate, Shaft Slinger

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Volts	Full Load Amps	S.F.
Single Phase - Open Drip Proof											
1/3	3450	56Y	JSL225A	192	C1	1713L	12.47	21	115/230*	5.6/2.8	1.75
1/2	3450	56Y	JSL325A	209	C1	1716L	12.47	21	115/230*	6.6/3.3	1.60
3/4	3450	56Y	JSL425A	237	C1	1720L	12.97	26	115/230*	9.2/4.6	1.50
1	3450	56Y	JSL525A	253	C1	1728L	14.16	33	115/230*	15.2/7.6	1.40
1 1/2	3450	56YZ	JSL625A	313	C1	1924L	14.34	44	115/230	18/9	1.30
2	3450	56YZ	JSL725A	375	C1	1928L	14.34	44	115/230	26/13	1.20

NOTE: Data subject to change without notice. Contact Baldor for certified data.

* Voltage @ 60 Hz. usable @ 208 volts.

Single Phase - Commercial Duty, General Purpose - ODP, Resilient Base

1/4 thru 2 Hp

NEMA 48 and 56H



Applications:

Ventilators, Summer cooling fans, band saws, drill presses, farm equipment.

Features:

Automatic Thermal Overload, Ball Bearings, Resilient Cushion Rings, Reversible Rotation, Rugged Steel Base, Terminal Panel with Quick Connections

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Volts	Full Load Amps	S.F.
1/4	1725	48	RL144A	193	C1	1710L	10.46	21	115/230*	4.4/2.2	1.15
1/3	3450	48	RL224A	173	C1	1713L	11.09	22	115/230*	5.4/2.7	1.15
1/3	1725	56	RL245A	207	C1	1712L	11.09	25	115/230*	5.4/2.7	1.15
1/2	3450	48	RL324A	188	C1	1716L	11.09	23	115/230*	7/3.5	1.15
1/2	3450	56	RL325A	190	C1	1716L	12.57	23	115/230*	7/3.5	1.15
1/2	1725	48	RL344A	237	C1	1718L	12.34	25	115/230*	7.2/3.6	1.25
1/2	1725	56	RL345A	239	C1	1718L	12.57	25	115/230*	7.2/3.6	1.25
3/4	3450	56	RL425A	224	C1	1716L	12.57	23	115/230*	9.4/4.7	1.25
3/4	1725	56	RL445A	254	C1	1728L	13.07	33	115/230*	10.6/5.3	1.25
1	3450	56	RL525A	267	C1	1724L	12.60	30	115/230*	11.8/5.9	1.25
1	1725	56	RL545A	320	C1	1920L	12.04	35	115/230*	13/6.5	1.15
1 1/2	3450	56/56H	RL625A	309	C1	1924L	13.04	41	115/230*	18/9	1.15
1 1/2	1725	56/56H	RL645A	384	C1	1928L	13.05	42	115/230*	18.2/9.1	1.15
2	3450	56/56H	RL725A	365	C1	1928L	13.04	44	115/230*	26/13	1.15

NOTE: Data subject to change without notice. Contact Baldor for certified data.

* Voltage @ 60 Hz. usable @ 208 volts.

Single and Three Phase - Commercial Duty, HVAC Blower - Open Air Over, Resilient Base

1/4 thru 2 Hp

NEMA 48 and 56H

Applications:

Fans for Heating, Ventilation and Air Conditioning Blowers,
Designed for Continuous Air-Over Applications with Moderate
Starting Loads

Features:

Automatic Thermal Overload, Ball Bearings, Resilient Cushion Rings,
Reversible Rotation, Rugged Steel Base, Terminal Panel with Quick
Connections (Single Phase only)



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Volts	Full Load Amps	S.F.
Single Phase - Permanent Split Capacitor - Open Air-Over											
1/4	1675	48	RHC144A	188	C1	1710C	10.46	20	115/230*	3/1.5	1.00
1/4	1075	48	RHC164A	214	C1	1710C	10.46	24	115/230*	3.4/1.7	1.15
1/3	1675	48	RHC244A	193	C1	1712C	10.46	22	115/230*	3.6/1.8	1.00
1/3	1075	48	RHC264A	219	C1	1714C	10.46	24	115/230*	3.8/1.9	1.15
1/2	1675	48	RHC344A	231	C1	1714C	10.46	24	115/230*	6/3	1.00
1/2	1675	56	RHC345A	233	C1	1714C	11.09	24	115/230*	6/3	1.00
1/2	1075	48	RHC364A	258	C1	1724C	11.96	26	115/230*	6/3	1.00
1/2	1075	56	RHC365A	264	C1	1724C	12.60	26	115/230*	6/3	1.00
3/4	1675	56	RHC445A	247	C1	1720C	11.72	27	115/230*	8/4	1.00
3/4	1075	56	RHC465A	290	C1	1728C	12.60	27	115/230*	8.8/4.4	1.00
1	1675	56	RHC545A	279	C1	1728C	12.60	28	115/230*	10.2/5.1	1.00
1	1075	56	RHC565A	332	C1	1932C	13.92	35	115/230	10.6/5.3	1.00
1 1/2	1675	56	RHC645A	320	C1	1928C	13.04	44	115/230	14.4/7.2	1.00
1 1/2	1075	56	RHC665A	381	C1	1940C	15.29	55	115/230	16/8	1.00
2	1675	56	RHC745A	373	C1	1932C	13.92	48	115/230	19/9.5	1.00
Three Phase - Open Air-Over											
1/4	1725	48	RHM144A	181	C1	1710M	10.46	22	230/460*	1.1/.55	1.25
1/4	1140	48	RHM164A	208	C1	1711M	10.46	22	230/460*	1.3/.65	1.25
1/3	1725	48	RHM244A	188	C1	1712M	10.46	25	230/460*	1.5/.75	1.25
1/3	1140	48	RHM265A	213	C1	1712M	10.46	25	230/460*	1.7/.85	1.25
1/2	1725	48	RHM344A	222	C1	1712M	10.46	25	230/460*	2.3/1.15	1.25
1/2	1725	56	RHM345A	226	C1	1712M	11.09	25	230/460*	2.3/1.15	1.25
1/2	1140	48	RHM364A	251	C1	1720M	10.71	27	230/460*	2.2/1.1	1.25
1/2	1140	56	RHM365A	253	C1	1720M	11.34	26	230/460*	2.2/1.1	1.25
3/4	1725	56	RHM445A	238	C1	1716M	11.09	27	230/460*	3.4/1.7	1.25
3/4	1140	56	RHM465A	287	C1	1726M	12.59	27	230/460*	3.4/1.7	1.15
1	1725	56	RHM545A	278	C1	1724M	11.72	28	230/460*	3.8/1.9	1.15
1	1140	56H	RHM565A	335	C1	1924M	13.04	39	230/460*	3.6-3.5/1.75	1.15
1 1/2	1725	56H	RHM645A	326	C1	1920M	12.04	34	230/460*	5-4.8/2.4	1.15
1 1/2	1140	56H	RHM665A	371	C1	1932M	13.92	48	208-230/460*	5.3-5.2/2.6	1.15
2	1725	56H	RHM745A	362	C1	1924M	13.04	39	208-230/460*	6.5-6.2/3.1	1.15

NOTE: Data subject to change without notice. Contact Baldor for certified data.

* Voltage @ 60 Hz. usable @ 208 volts.

General
Information

Single Phase
Motors

General Purpose

Premium Efficient
Super-E® Motors

C-Face
Industrial Motors

Severe Duty
Motors

Washdown Duty
Motors

Explosion Proof
Motors

Pump Motors

Commercial
Motors

Single and Three Phase - Commercial Duty, Direct Drive Fan - TEAO, Resilient Base

1/4 thru 1-1/2 Hp

NEMA 48Z, 56 thru 56Z

Applications:

Air Handling Fans, Confinement Houses, Exhaust Fans, Unit Heaters, Designed for Continuous Air-Over Applications with Moderate Starting Loads

Features:

Automatic Thermal Overload, Ball Bearings, Extended Thru-Bolts, Resilient Cushion Rings, Reversible Rotation, Rugged Steel Frame, Suitable for Mounting in any Position, Terminal Panel with Quick Connections (Single Phase only)



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Volts	Full Load Amps	S.F.
Single Phase - Permanent Split Capacitor - Totally Enclosed Air-Over											
1/4	1725	48Z	CHC144A	197	C1	1712C	11.46	24	115/230*	3/1.5	1.00
1/4	1100	48Z	CHC164A	224	C1	1712C	11.46	24	115/230*	3.2/1.6	1.15
1/3	1700	48Z	CHC244A	207	C1	1714C	11.46	25	115/230*	4.2/2.1	1.15
1/3	1100	48Z	CHC264A	233	C1	1716C	11.46	26	115/230*	4/2	1.15
1/2	1700	48Z	CHC344A	242	C1	1720C	12.09	28	115/230*	5.8/2.9	1.15
1/2	1700	56	CHC345A	244	C1	1720C	12.84	25	115/230*	5.8/2.9	1.15
1/2	1100	48Z	CHC364A	271	C1	1728C	12.96	26	115/230*	6.4/3.2	1.15
1/2	1100	56Z	CHC365A	274	C1	1728C	13.72	26	115/230*	6.4/3.2	1.15
3/4	1700	56	CHC445A	262	C1	1728C	13.72	28	115/230	7.2/3.6	1.15
3/4	1100	56	CHC465A	316	C1	1932C	13.92	48	115/230	9/4.5	1.00
1	1700	56	CHC545A	309	C1	1924C	13.04	39	115/230	9.8/4.9	1.00
1	1075	56	CHC565A	366	C1	1935C	13.92	51	115/230	10.6/5.3	1.00
1 1/2	1700	56	CHC645A	353	C1	1935C	13.92	49	115/230	13.6/6.8	1.00
Three Phase - Totally Enclosed Air-Over											
1/4	1725	48Z	CHM144A	191	C1	1710M	11.46	25	230/460*	1/5	1.25
1/4	1140	48Z	CHM164A	232	C1	1711M	11.46	25	230/460*	1.3/.65	1.25
1/3	1725	48Z	CHM244A	201	C1	1712M	11.46	20	230/460*	1.3/.65	1.25
1/3	1140	48Z	CHM264A	226	C1	1712M	11.46	26	230/460*	1.7/.85	1.25
1/2	1725	48Z	CHM344A	237	C1	1716M	11.46	24	230/460*	1.9/.95	1.25
1/2	1725	56Z	CHM345A	239	C1	1716M	12.21	23	230/460*	1.9/0.95	1.25
1/2	1140	48Z	CHM364A	264	C1	1718M	11.46	23	230/460*	2.2/1.1	1.25
1/2	1140	56Z	CHM365A	266	C1	1718M	12.21	25	230/460*	2.2/1.1	1.25
3/4	1725	56Z	CHM445A	253	C1	1722M	12.84	27	230/460*	2.8/1.4	1.15
3/4	1140	56Z	CHM465A	305	C1	1728M	13.72	33	208-230/460*	3.6/1.8	1.15
1	1725	56Z	CHM545A	300	C1	1728M	13.72	33	208-230/460*	3.3-3.2/1.6	1.15
1	1140	56	CHM565A	355	C1	1924M	13.04	39	208-230/460*	3.7-3.6/1.8	1.15
1 1/2	1725	56	CHM645A	343	C1	1920M	12.04	34	208-230/460*	5.3-5/2.5	1.15

NOTE: Data subject to change without notice. Contact Baldor for certified data.

* Voltage @ 60 Hz. usable @ 208 volts.

Split Phase - Commercial Duty, Fan and Blower - ODP, Resilient Base

1/4 thru 1/2 Hp

NEMA 48 and 56



Applications:

Air Conditioning Equipment, Blowers, Fans,
Designed for Applications with Moderate Starting Loads

Features:

1.25 Service Factor, Automatic Thermal Overload, Ball Bearings,
Reversible Rotation, Rugged Steel Base, Terminal Panel with Quick
Connections, Base Notched with Mounting Holes for NEMA 48 and 56

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Volts	Full Load Amps	S.F.
1/4	1725	48	RSP1441A	168	C1	1710S	10.50	26	115	4.3	1.25
1/4	1725	48	RSP1442A	172	C1	1710S	10.50	27	230	2.1	1.25
1/3	1725	56	RSP2452A	188	C1	1712S	11.12	25	230	2.7	1.25
1/3	1725	56	RSP2451A	182	C1	1712S	11.12	27	115	5.4	1.25
1/3	1725	48	RSP2442A	183	C1	1712S	10.50	22	230	2.7	1.25
1/3	1725	48	RSP2441A	179	C1	1712S	10.50	23	115	5.4	1.25
1/2	1725	48	RSP3442A	214	C1	1716S	10.50	23	230	3.5	1.25
1/2	1725	48	RSP3441A	209	C1	1716S	10.50	27	115	7.2	1.25
1/2	1725	56	RSP3451A	212	C1	1716S	11.12	25	115	7.2	1.25
1/2	1725	56	RSP3452A	217	C1	1716S	11.12	23	230	3.5	1.25

NOTE: Data subject to change without notice. Contact Baldor for certified data.

Commercial Duty Incubator/Hatchery Vent Fan - TEAO

1/4 thru 1/2 Hp

NEMA 48YZ



Applications:

Direct Drive Hatchery and Incubator Fan Motor

Features:

1.0 Service Factor, 40°C Ambient, 60 Hertz, Automatic Thermal
Overload, Ball Bearings, Class B Insulation, Extended Thru-Bolts,
Terminal Panel with Quick Connections, Permanent Split Capacitor,
Shaft Slinger, 1625 or 1725 RPM Available, Pilot Circuit

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Volts	Full Load Amps	S.F.
1625 RPM - Permanent Split Capacitor - Totally Enclosed Air-Over											
1/4	1625	48Z	HIC164A	239	C1	1710C	10.14	27	115/230	3.2/1.6	1.00
1/3	1625	48Z	HIC264A	257	C1	1714C	10.14	25	115/230	3.8/1.9	1.00
1/2	1625	48Z	HIC364A	278	C1	1720C	11.11	27	115/230	5.2/2.6	1.00
1725 RPM - Permanent Split Capacitor - Totally Enclosed Air-Over											
1/4	1725	48Z	HIC174A	239	C1	1712C	10.14	27	115/230	3/1.5	1.00
1/3	1725	48Z	HIC274A	257	C1	1714C	10.14	28	115/230	3.8/1.9	1.00
1/2	1725	48Z	HIC374A	278	C1	1720C	11.11	29	115/230	5/2.5	1.00

NOTE: Data subject to change without notice. Contact Baldor for certified data.

General
Information

Single Phase
Motors

General Purpose

Premium Efficient
Super-E® Motors

C-Face
Industrial Motors

Severe Duty
Motors

Washdown Duty
Motors

Explosion Proof
Motors

Pump Motors

Commercial
Motors

Single Phase - Commercial Duty, Condenser Fan - OPAO, TEAO, Round Body

1/4 THRU 1/2 HP

NEMA 48YZ

Applications:

Condenser Fans, Heat Pump, Refrigeration, Designed for Continuous Air-Over Applications

Features:

6" Long x 1/2" Diameter Shaft with 2 Flats 90° Apart, 30 Inch Leads, 60°C Ambient, 60 Hertz, Automatic Thermal Overload, Sealed Ball Bearings, Class B Insulation, 370 Volt Capacitor (not included), Extended Thru-Bolts, Permanent Split Capacitor, Reversible Rotation, Shaft Slinger, 1.0 Service Factor



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Volts	Full Load Amps	Enclosure**
Air-Over - Permanent Split Capacitor - All Angle											
1/4	1075***	48YZ	CFC1624A	168	C1	1718C	14.10	22	208-230	1.35	OPAO
1/4	1075	48YZ	CFC1614A	168	C1	1711C	14.10	20	230 *	1.4	OPAO
1/3	1075	48YZ	CFC2614A	186	C1	1721C	14.35	25	230 *	1.9	OPAO
1/2	1075***	48YZ	CFC3624A	216	C1	1732C	15.60	29	208-230	2.4-2.7	OPAO
1/2	1075	48YZ	CFC3614A	206	C1	1728C	15.60	29	230 *	2.6	OPAO
Air-Over - Permanent Split Capacitor - Shaft Up Only - Closed Except Lead End											
1/4	1075	48YZ	CFC1641A	174	C1	1714C	14.10	20	115	3.7	TEAO
1/4	1075	48YZ	CFC1642A	174	C1	1714C	14.15	20	230*	1.4	TEAO
1/3	1075	48YZ	CFC2641A	191	C1	1721C	14.40	25	115	3.9	TEAO
1/3	1075***	48YZ	CFC2624A	193	C1	1724C	14.70	26	208-230	1.8-2	TEAO
1/3	1075	48YZ	CFC2642A	191	C1	1721C	14.40	24	230*	1.9	TEAO
1/2	1075	48YZ	CFC3641A	209	C1	1728C	15.60	29	115	6.2	TEAO
1/2	1075	48YZ	CFC3642A	209	C1	1728C	15.60	29	230*	2.6	TEAO

NOTE: Data subject to change without notice. Contact Baldor for certified data.

* Voltage @ 60 Hz. usable @ 208 volts.

** TEAO = Totally Enclosed Air Over, OPAO = Open Air Over

*** = 2-Speed Motor

Capacitor Size (370 VAC)	
CFC1641A	5 MFD
CFC2614A	8 MFD
CFC2642A	8 MFD
CFC3614A	10 MFD
CFC3642A	10 MFD
CFC1614A	5 MFD
CFC1624A	7.5 MFD
CFC1642A	5 MFD
CFC2624A	7.5 MFD
CFC2641A	8 MFD
CFC3624A	10 MFD
CFC3641A	10 MFD

NOTE: Capacitor not supplied with motor.

Single Phase - Commercial Duty, Direct Drive, Indoor Blower - ODP, Round Body

1/4 thru 1/2 Hp

NEMA 48YZ

Applications:

Air Handling, Evaporators, Furnace Blowers, Designed for Continuous Air-Over Applications

Features:

6" Long x 1/2" Diameter Shaft with 2 Flats 90° Apart, 30 Inch Leads, 40°C Ambient, 60 Hertz, Automatic Thermal Overload, Ball Bearings, Class B Insulation, 370 Volt Capacitor (not included), Extended Thru-Bolts, Permanent Split Capacitor, Reversible Rotation, 1.0 Service Factor



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Volts	Full Load Amps	S.F.
Open Air-Over - Permanent Split Capacitor											
1/4	1075	48YZ	DDC1641A	161	C1	1711C	12.13	16	115	2.9	1.00
1/4	1075	48YZ	DDC1642A	161	C1	1711C	12.13	14	208-230	1.4-1.5	1.00
1/3	1625	48YZ	DDC2442A	155	C1	1716C	12.69	17	208-230	1.8-1.7	1.00
1/3	1075	48YZ	DDC2641A	182	C1	1716C	12.69	17	115	3.8	1.00
1/3	1075	48YZ	DDC2642A	182	C1	1716C	12.69	18	208-230	1.9-2	1.00
1/2	1075	48YZ	DDC3641A	201	C1	1724C	13.57	20	115	5.8	1.00
1/2	1075	48YZ	DDC3642A	201	C1	1724C	13.57	20	208-230	2.9-2.8	1.00

NOTE: Data subject to change without notice. Contact Baldor for certified data.

Capacitor Size (370 VAC)	
DDC1641A	10 MFD
DDC1642A	7 MFD
DDC2442A	10 MFD
DDC2641A	10 MFD
DDC2642A	7.5 MFD
DDC3641A	12 MFD
DDC3642A	12 MFD

NOTE: Capacitor not supplied with motor.

General
Information

Single Phase
Motors

General Purpose

Premium Efficient
Super-E® Motors

C-Face
Industrial Motors

Severe Duty
Motors

Washdown Duty
Motors

Explosion Proof
Motors

Pump Motors

Commercial
Motors

Single Phase - Commercial Duty, Yoke/Pedestal Fan - TEAO

1/4 thru 1/2 Hp

NEMA 48YZ thru 56YZ

Applications:

Air Circulation, Designed for Continuous Air-Over Applications

Features:

1.0 Service Factor, 40°C Ambient, Automatic Thermal Overload, Ball Bearings, Class B Insulation, Extended Thru-Bolts on 5.13 Inch, Bolt Circle For Mounting Fan Shroud, Heavy Gage Steel Yoke with 180° Slot for Wide Angle Rotation, Permanent Split Capacitor, Pull Chain Switch (2spd only) for High and Low Speed, Reversible Rotation, Shaft Slinger, Terminal Panel with Quick Connections

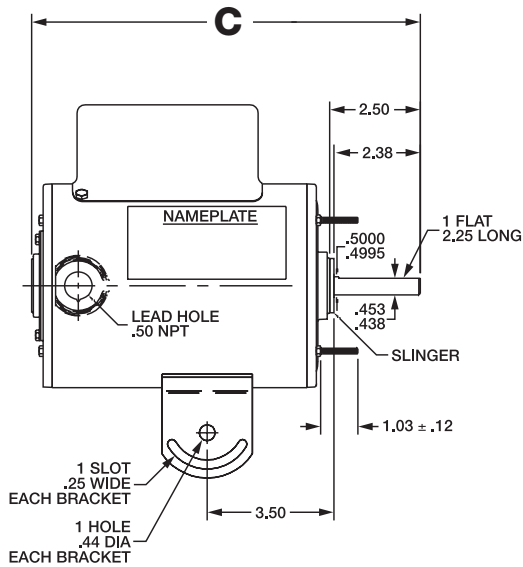


Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Volts	Full Load Amps	S.F.
Permanent Split Capacitor - Totally Enclosed Air-Over											
1/4	1625	48YZ	YPC144A	173	C1	1708C	10.48	19	115	3.5	1.00
1/4	1075	48YZ	YPC164A	191	C1	1710C	10.48	21	115	3.7	1.00
1/3	1625	56YZ	YPC245A	186	C1	1710C	10.48	21	115	3.9	1.00
1/3	1625	48YZ	YPC244A	183	C1	1710C	10.60	21	115	3.9	1.00
1/3	1075	56YZ	YPC265A	208	C1	1714C	10.48	22	115	4.7	1.00
1/3	1075	48YZ	YPC264A	206	C1	1714C	10.48	22	115	4.7	1.00
1/2	1625	56YZ	YPC345A	216	C1	1716C	10.48	24	115	5.6	1.00
1/2	1625	48YZ	YPC344A	213	C1	1716C	10.60	24	115	5.6	1.00
1/2	1075	48YZ	YPC364A	242	C1	1720C	11.10	25	115	5.6	1.00
Two Speed - Permanent Split Capacitor - Totally Enclosed Air-Over											
1/4	1075/875	48YZ	YPC1624A	207	C1	1716C	12.15	22	115	3.2/2.4	1.00
1/3	1075/875	48YZ	YPC2624A	232	C1	1724C	13.66	25	115	3.9/2.8	1.00
1/3	1075/875	56YZ	YPC2625A	234	C1	1724C	13.66	25	115	3.9/2.8	1.00
1/2	1075/950	56YZ	YPC3625A	299	C1	1732C	14.16	28	115	6.2/5.1	1.00
1/2	1075/950	48YZ	YPC3624A	296	C1	1732C	14.16	28	115	6.2/5.1	1.00

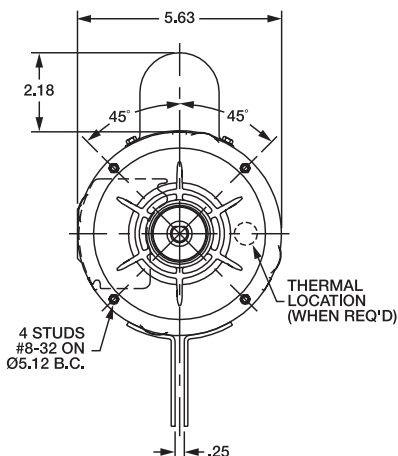
NOTE: Data subject to change without notice. Contact Baldor for certified data.

*"C" Dimension Drawing

* See chart above for "C" dimension.



NEMA Frame	"U" (Shaft Shoulder) Dimension	Description
48	0.500	1 Flat, 2.25" Long
56	0.625	1 Flat, 2.25" Long



Single and Three Phase - Fan and Blower - ODP, Resilient Base

1/4 thru 3 Hp

NEMA 48 thru 56H

Applications: Ventilators, summer cooling fans, band saws, drill presses, farm equipment.

Features: Heavy gauge steel base, ball bearings, suitable for mounting in any position. Dynamically balanced rotors for reduced vibration and quiet operation.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
Single Phase											
1/4	1725	48	RL144A	193	C1	1710L	10.46	21	57.5	B1	2.2
1/3	3450	48	RL224A	173	C1	1713L	11.09	22	62.0	B1	2.7
1/3	1725	56	RL245A	†*	C1	1712L	11.09	25	60.5	B1	2.7
1/2	3450	48	RL324A	188	C1	1716L	11.09	23	62.0	B1	3.5
1/2	3450	56	RL325A	190	C1	1716L	12.57	23	62.0	B1	3.5
1/2	1725	56	RL1304A	#	K	3418L	11.59	26	62.0	B1	4.2
1/2	1725	56	RL1323A	#♦	K	3416L	10.97	24	62.0	B	4.0
3/4	3450	56	RL1306A	#	K	3420L	11.59	26	71.0	B1	5.5
3/4	1725	56/56H	RL1307A		K	3428L	12.97	35	68.0	B1	5.1
3/4	1725	56	RL1324A	#♦	K	3424L	12.47	31	71.0	B	5.0
1	3450	56/56H	RL1309A		K	3520L	11.42	34	63.0	B1	7.3
1	1725	56/56H	RL1310A	#♦	K	3520L	11.42	33	66.0	B1	6.7
1 1/2	3450	56/56H	RL1313A		K	3524L	12.42	40	68.0	B1	9.0
1 1/2	1725	56/56H	RL1319A	#	K	3528L	12.42	42	68.0	B1	9.0
2	3450	56/56H	RL1317A	#	K	3528L	12.42	43	70.0	B1	12.0
Single Phase 277 Volt											
1/3	1725	56	RL1301A277	310	K	3414L	10.97	23	60.0	Y	2.5
1/2	1725	56	RL1304A277	323	K	3418L	11.59	26	62.0	Y	3.6
3/4	1725	56/56H	RL1307A277	445	K	3520L	11.42	34	63.0	Y	5.1
1	1725	56/56H	RL1310A277	458	K	3528L	12.42	42	66.0	Y	5.4
1 1/2	1725	56/56H	RL1319A277	498	K	3535L	13.30	49	70.0	Y	8.5
Three Phase											
1/4	1725	48	RM3003	220	K	3410M	10.34	22	64.0	E1	0.7
1/3	3450	48	RM3006	211	K	3410M	10.34	20	72.0	E1	0.7
1/3	1725	48	RM3007	223	K	3413M	10.34	21	68.0	E1	0.8
1/3	1725	56	RM3104	254	K	3413M	10.97	22	68.0	E1	0.8
1/2	3450	48	RM3009	223	K	3410M	10.34	19	68.0	E1	1.0
1/2	1725	48	RM3010	281	K	3416M	10.34	23	74.0	E1	1.0
1/2	1725	56	RM3108	289	K	3416M	10.97	23	74.0	E1	1.0
3/4	3450	56	RM3111	294	K	3413M	10.97	22	74.0	E1	1.3
3/4	1725	56	RM3112	321	K	3420M	11.59	27	75.5	E	1.5
1	3450	56	RM3115	310	K	3416M	10.97	24	75.5	E1	1.8
1	1725	56	RM3116	340	K	3426M	12.47	33	78.5	E1	1.7
1 1/2	3450	56H	RM3120	378	K	3424M	12.47	31	80.0	E	2.3
1 1/2	1725	56/56H	RM3154	391	K	3432M	12.97	33	77.0	E	2.8
2	3450	56H	RM3155	439	K	3428M	12.47	33	80.0	E	2.9
2	1725	56/56H	RM3157	424	K	3524M	12.42	37	78.5	E	3.2
3	3450	56/56H	RM3158	454	K	3524M	12.42	39	80.0	E	4.0

NOTE: Voltage @ 60 Hz: B = 115/230, B1 = 115/230 volts usable at 208 volts, E = 208-230/460 volts, E1 = 230/460 volts usable at 208 volts, Y = 277 volts. See notes on pages 8 and 9, and inside back flap.

Three Phase - Chiller/Cooling Tower - TEAO

5 thru 75 Hp

NEMA 184T thru 365T

Applications: For use in the airstream on cooling towers.

Features: 1.15 Service Factor, corrosion resistant epoxy finish, double sealed bearings filled with moisture resistant grease, shaft seal/slinger, Class F insulation, moisture resistant copper windings, double dipped and baked, stainless steel nameplates and corrosion resistant hardware. Designed for wet, high humidity environments. "ECTM" model Super-E® motors have NEMA Premium® efficiency and 3 year warranty. Direct replacement for most OEM applications.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	Minimum Air Velocity (FPM)
5	1750	184T	ECTM3665T	841	L1	0640M	13.68	114	90.2	E1	6.5	1200
5	1750	184T	CTM3665T	763	L1	0638M	13.68	104	87.5	E	6.7	1200
5	1160	215T	ECTM3768T	1336	L1	0744M	19.54	193	89.5	E1	8.0	1200
5	1160	215T	CTM3768T	1159	L1	0735M	19.54	178	87.5	E	8.1	1200
7 1/2	1770	213T	ECTM3770T	1122	L1	0735M	19.54	176	91.7	E1	9.5	1500
7 1/2	1760	213T	CTM3770T	1018	L1	0728M	19.54	173	89.5	E	9.8	1500
7 1/2	1180	254T	ECTM2276T	1903	L1	0954M	20.75	298	91.7	E1	10.7	1500
7 1/2	1160	254T	CTM2276T	1414	L1	0756M	22.16	247	89.5	E	10.9	1500
10	1760	215T	ECTM3774T	1506	L1	0748M	19.54	204	92.4	E1	12.5	1500
10	1760	215T	CTM3774T	1299	L1	0733M	19.54	178	89.5	E	13.0	1500
10	1180	256T	ECTM2332T	2174	L1	0960M	20.75	282	91.7	E1	14.2	1500
10	1175	256T	CTM2332T	1574	L1	0946M	20.75	269	89.5	E1	14.4	1500
15	1765	254T	ECTM2333T	2000	L1	0936M	20.75	255	92.4	E1	18.5	1500
15	1760	254T	CTM2333T	1726	L1	0756M	22.16	236	91.0	F	18.5	1500
15	1180	284T	ECTM4100T	2899	L1	1050M	25.63	421	92.4	E1	19.5	1500
15	1175	284T	CTM4100T	2511	L1	1034M	25.63	361	90.2	E1	21.0	1500
20	1765	256T	ECTM2334T	2230	L1	0952M	20.75	286	93.0	E1	24.0	1500
20	1760	256T	CTM2334T	1925	L1	0938M	20.75	257	91.0	E1	24.0	1500
20	1180	286T	ECTM4102T	3861	L1	1050M	25.63	451	92.4	E1	26.0	1500
20	1175	286T	CTM4102T	3034	L1	1040M	25.63	350	90.2	E1	27.0	1500
25	1770	284T	ECTM4103T	2746	L1	1046M	25.63	417	93.6	E1	30.0	1500
25	1760	284T	CTM4103T	2334	L1	0956M	25.78	322	92.4	E1	29.0	1500
25	1180	324T	ECTM4111T	4369	L1	1248M	28.38	560	93.0	F	32.0	1500
25	1175	324T	CTM4111T	3660	L1	1060M	28.25	451	91.7	E1	33.0	1500
30	1770	286T	ECTM4104T	3259	L1	1060M	25.63	492	94.1	E1	36.0	1500
30	1760	286T	CTM4104T	2801	L1	0964M	25.78	321	92.4	E1	36.0	1500
30	1180	326T	ECTM4117T	5048	L1	1260M	28.38	572	93.0	E1	39.0	1500
30	1175	326T	CTM4117T	4440	L1	1066M	28.25	579	91.7	E1	39.0	1500
40	1775	324T	ECTM4110T	4262	L1	1260M	28.38	578	94.5	E1	46.0	1500
40	1775	324T	CTM4110T	3727	L1	1248M	28.38	537	93.0	E1	47.0	2000
40	1185	364T	ECTM4308T	6290	L1	1468M	30.60	807	94.1	F	50.5	2000
40	1185	364T	CTM4308T	4919	L1	1464M	30.60	746	93.0	E1	49.0	2000
50	1775	326T	ECTM4115T	5097	L1	1266M	28.38	634	94.5	E1	57.0	2000
50	1760	326T	CTM4115T	4399	L1	1080M	28.25	575	93.0	E1	60.0	2000
50	1185	365T	ECTM4312T	7601	L1	1474M	30.60	831	94.1	E1	61.0	2000
50	1180	365T	CTM4312T	6243	L1	1456M	30.60	772	93.0	E1	61.0	2000
60	1780	364T	ECTM4314T	6704	L1	1462M	30.60	782	95.0	E1	69.0	2000
60	1775	364T	CTM4314T	5954	L1	1454M	30.60	774	93.6	E1	71.0	2000
60	1185	404T	ECTM4403T	9042	L1	1672M	34.68	1045	94.5	F	72.5	2000
60	1180	404T	CTM4403T	7724	L1	1484M	34.19	1038	93.6	F	72.0	2000
75	1780	365T	ECTM4316T	7839	L1	1482M	30.60	832	95.4	E1	86.5	2000
75	1775	365T	CTM4316T	7158	L1	1476M	30.60	847	94.1	E1	87.0	2000

NOTE: Voltage @ 60 Hz: E1=230/460 volts usable at 208 volts, E= 208-230/460 volts, F= 230/460 volts.

See notes on pages 8 and 9, and inside back flap.

SHADED RATINGS ARE CAST IRON FRAMES

Three Phase - ODP, Resilient

1/2 thru 3 Hp

NEMA 56 thru 182T



Applications: Heating, ventilation and air conditioning blower and fan motors.

Features: Heavy gauge steel base, ball bearings, automatic thermal overload. Suitable for mounting in any position. Dynamically balanced rotors for reduced vibration and quiet operation.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
Resilient Base											
1/2	1725	56H	RM3108A	339	K	3416M	11.97	24	74.0	E1	1.0
3/4	3450	56H	RM3111A	341	K	3413M	11.97	23	74.0	E1	1.3
3/4	1725	56H	RM3112A	365	K	3420M	11.97	27	74.0	E1	1.5
1	3450	56H	RM3115A	359	K	3416M	11.59	25	75.5	E1	1.6
1	1725	56/56H	RM3116A	380	K	3516M	11.42	30	77.0	E	1.6
1 1/2	3450	56H	RM3120A	407	K	3424M	11.97	30	81.5	E1	2.0
1 1/2	1725	56/56H	RM3154A	404	K	3520M	11.42	33	78.5	E	2.4
2	3450	56/56H	RM3155A	470	K	3428M	12.47	33	80.0	E1	2.7
2	1725	56H	RM3157A	463	K	3524M	12.42	41	81.5	E	2.9
3	3450	56HZ	RM3158TA	466	K	3528M	12.76	46	81.5	E	4.0
3	1725	56HZ	RM3161TA	506	K	3535M	15.01	58	82.5	E	4.1

NOTE: Voltage @ 60 Hz: E1=230/460 usable at 208 volts, E = 208-230/460 volts. See notes on pages 8 and 9, and inside back flap.
Baldor NEMA 56H frames will also mount as NEMA 56, 143T and 145T frames with NEMA 56 frame shaft dimensions.
Baldor 56HZ resilient base frames will also mount as NEMA 56, 143T and 145T frames with NEMA 145T frame shaft dimensions.

Three Phase - Super-E and Standard-E HVAC Variable Torque - ODP Rigid Base

1 thru 100 Hp

NEMA 143T thru 404T

Applications: Heating, ventilation and air conditioning fans and blowers

Features: Heavy gauge steel frame construction, ball bearings, grease passages have plugs, 1.15 service factor. Dynamically balanced rotors for reduced vibration and quiet operation. Suitable for mounting in any position. "EHM" models meet NEMA Premium® efficiencies. Inverter Ready and have a 3-year warranty. "HM" models meet EPM efficiencies.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
F1 Mounting - Rigid Base											
1	1740	143T	EHM3116T	†*	420	LS	3520M	10.88	36	85.5	1.4
1	1725	143T	HM3116T	†*	279	LS	3518M	10.88	32	82.5	1.4
1.5	1740	145T	EHM3154T	†*	440	LS	3526M	12.12	40	86.5	2.1
1.5	1740	145T	HM3154T	†*	296	LS	3522M	11.62	39	84.0	2.2
2	1725	145T	EHM3157T	†*	471	LS	3532M	13.00	46	86.5	2.7
2	1725	145T	HM3157T	†*	321	LS	3526M	12.13	42	84.0	2.8
3	1760	182T	EHM3211T	†*	508	LS	3628M	15.00	69	89.5	4.1
3	1725	182T	HM3211T	†*	348	LS	3540M	14.30	60	86.5	4.0
5	1750	184T	EHM3218T	†*	557	LS	3632M	15.00	74	89.5	6.5
5	1750	184T	HM3218T	†*	384	LS	3628M	15.00	68	87.5	6.9
7.5	1760	213T	EHM3311T	†*	819	LS	3732M	17.00	117	91.0	10.0
7.5	1765	213T	HM3311T	†*	535	LS	3726M	16.32	106	88.5	10.5
10	1760	215T	EHM3313T	†*	991	LS	3744M	17.45	141	91.7	12.9
10	1760	215T	HM3313T	†*	671	LS	3734M	16.32	120	89.5	13.2
15	1765	254T	EHM2523T	†*	1405	LS	3938M	21.69	217	93.0	17.7
15	1760	254T	HM2523T	†*	1006	LS	3750M	19.75	165	91.0	19.5
20	1765	256T	EHM2515T	†*	1764	LS	3944M	21.69	237	93.0	23.5
20	1760	256T	HM2515T	†*	1225	LS	3936M	21.69	235	91.0	25.0
25	1770	284T	EHM2531T	†*	2150	LS	4046M	23.81	330	94.1	30.0
25	1760	284T	HM2531T	†*	1486	LS	3942M	23.44	226	91.7	30.0
30	1770	286T	EHM2535T	†*	2352	LS	4052M	25.06	372	94.1	35.0
30	1760	286T	HM2535T	†*	1716	LS	3952M	24.94	280	92.4	36.0
40	1775	324T	EHM2539T	†*	3068	LS	4250M	26.69	474	94.5	46.0
40	1770	324T	HM2539T	†*	2213	LS	4049M	26.19	350	93.0	47.5
50	1775	326T	EHM2543T	†*	3386	LS	4256M	27.69	472	94.5	57.0
50	1765	326T	HM2543T	†*	2565	LS	4057M	27.19	400	93.0	60.5
60	1775	364T	EHM2547T	†*	4263	LS	4278M	30.69	698	95.0	68.0
60	1770	364T	HM2547T	†*	3167	LS	4250M	27.94	523	93.6	72.5
75	1775	365T	EHM2551T	†*	5233	LS	4462M	33.72	808	95.0	85.0
75	1770	365T	HM2551T	†*	3879	LS	4266M	29.94	544	94.1	88.0
100	1780	404T	EHM2555T	†*	5967	LS	4476M	36.97	866	95.4	115.0
100	1775	404T	HM2555T	†*	4927	LS	4464M	33.22	797	94.1	119.0

Three Phase - Super-E and Standard-E HVAC Variable Torque - ODP, Rigid Base continued...

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number		List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
F2 Mounting – Rigid Base												
1	1740	143T	EHEFM3116T	†*	420	LS	3520M	10.88	36	85.5	E	1.4
1	1725	143T	HFM3116T	†*	279	LS	3518M	10.88	32	82.5	E	1.4
1.5	1740	145T	EHEFM3154T	†*	440	LS	3526M	12.12	40	86.5	E	2.1
1.5	1740	145T	HFM3154T	†*	296	LS	3522M	11.62	39	84.0	E	2.2
2	1725	145T	EHEFM3157T	†*	471	LS	3532M	13.00	46	86.5	E	2.7
2	1725	145T	HFM3157T	†*	321	LS	3526M	12.13	42	84.0	E	2.8
3	1760	182T	EHEFM3211T	†*	508	LS	3628M	15.00	69	89.5	E	4.1
3	1725	182T	HFM3211T	†*	348	LS	3540M	14.30	60	86.5	E	4.0
5	1750	184T	EHEFM3218T	†*	557	LS	3632M	15.00	74	89.5	E1	6.5
5	1750	184T	HFM3218T	†*	384	LS	3628M	15.00	68	87.5	E	6.9
7.5	1760	213T	EHEFM3311T	†*	819	LS	3732M	17.00	117	91.0	E1	10.0
7.5	1765	213T	HFM3311T	†*	535	LS	3726M	16.32	106	88.5	E	10.5
10	1760	215T	EHEFM3313T	†*	991	LS	3744M	17.45	141	91.7	E1	12.9
10	1760	215T	HFM3313T	†*	671	LS	3734M	16.32	120	89.5	E	13.2
15	1765	254T	EHEFM2523T	†*	1405	LS	3938M	21.69	217	93.0	E1	17.7
15	1760	254T	HFM2523T	†*	1006	LS	3750M	19.75	165	91.0	E	19.5
20	1765	256T	EHEFM2515T	†*	1764	LS	3944M	21.69	237	93.0	E1	23.5
20	1760	256T	HFM2515T	†*	1225	LS	3936M	21.69	235	91.0	E1	25.0
25	1770	284T	EHEFM2531T	†*	2150	LS	4046M	23.81	330	94.1	E1	30.0
25	1760	284T	HFM2531T	†*	1486	LS	3942M	23.44	226	91.7	E1	30.0
30	1770	286T	EHEFM2535T	†*	2352	LS	4052M	25.06	372	94.1	E1	35.0
30	1760	286T	HFM2535T	†*	1716	LS	3952M	24.94	280	92.4	E1	36.0
40	1775	324T	EHEFM2539T	†*	3068	LS	4250M	26.69	474	94.5	E1	46.0
40	1770	324T	HFM2539T	†*	2213	LS	4049M	26.19	350	93.0	E1	47.5
50	1775	326T	EHEFM2543T	†*	3386	LS	4256M	27.69	472	94.5	E1	57.0
50	1765	326T	HFM2543T	†*	2565	LS	4057M	27.19	400	93.0	E1	60.5
60	1775	364T	EHEFM2547T	†*	4263	LS	4278M	30.69	698	95.0	E1	68.0
60	1770	364T	HFM2547T	†*	3167	LS	4250M	27.94	523	93.6	E1	72.5
75	1775	365T	EHEFM2551T	†*	5233	LS	4462M	33.72	808	95.0	F	85.0
75	1770	365T	HFM2551T	†*	3879	LS	4266M	29.94	544	94.1	E1	88.0
100	1780	404T	EHEFM2555T	†*	5967	LS	4476M	36.97	866	95.4	F	115.0
100	1775	404T	HFM2555T	†*	4927	LS	4464M	33.22	797	94.1	E1	119.0

NOTE: Voltage @ 60 Hz: E= 208-230/460 volts, E1= 230/460 volts, usable at 200 volts, F= 230/460 volts.

See notes on pages 8 and 9, and inside back flap.

Red catalog number = New item.

Three Phase - ODP, Resilient and Rigid Base

1/2 thru 5 Hp

NEMA 56 thru 184T

Applications: Ventilators, direct-drive or belted fan and ventilation applications.

Features: Heavy gauge steel base, ball bearings, suitable for mounting in any position. Dynamically balanced rotors for reduced vibration and quiet operations.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	
Rigid Base												
1/2	1725	56	HM3108	†*	240	K	3416M	9.51	24	74.0	E1	1.0
1/2	1725	56	HM3108A		309	K	3416M	10.34	23	74.0	E1	1.0
3/4	1725	56	HM3112		266	K	3420M	10.97	23	75.5	E	1.5
3/4	1725	56	HM3112A		340	K	3420M	10.97	26	74.0	E1	1.5
1	1725	56HZ	HM3116		300	K	3426M	12.13	32	78.5	E1	1.7
1	1725	56HZ	HM3116A		375	K	3424M	12.13	32	74.0	E	2.0
1 1/2	1725	56HZ	HM3154		345	K	3520M	12.13	36	81.5	E	2.2
1 1/2	1725	56HZ	HM3154A		374	K	3520M	12.13	36	81.5	E	2.2
2	1725	56HZ	HM3157		362	K	3524M	12.13	39	81.5	E	2.9
2	1725	56HZ	HM3157A		431	K	3524M	12.13	40	81.5	E	2.9
3	1725	56HZ	HM3161A		470	K	3535M	13.00	50	82.5	E	4.1
5	1750	184T	HM3218TA		531	L1	3630M	15.00	72	87.5	E	7.0
Resilient Base												
1/4	1725	48	RHM3003		210	K	3410M	10.34	24	64.0	E1	0.7
1/3	1725	48	RHM3007		213	K	3413M	10.34	25	68.0	E1	0.8
1/3	1725	56	RHM3104		241	K	3413M	10.97	21	68.0	E1	0.8
1/2	1725	48	RHM3010		267	K	3414M	10.34	22	72.0	E1	1.0
1/2	1725	56	RHM3108		277	K	3416M	10.97	24	74.0	E1	1.0
1/2	1725	56H	RHM3108A		320	K	3416M	11.59	24	74.0	E1	1.0
3/4	3450	56	RHM3111		279	K	3416M	10.97	24	75.5	E1	1.2
3/4	3450	56H	RHM3111A		323	K	3413M	11.59	21	74.0	E1	1.3
3/4	1725	56	RHM3112		305	K	3424M	12.47	31	77.0	E1	1.2
3/4	1725	56H	RHM3112A		345	K	3420M	11.59	26	74.0	E1	1.5
1	3450	56	RHM3115		296	K	3416M	10.97	24	75.5	E1	1.8
1	3450	56H	RHM3115A		342	K	3416M	11.59	24	75.5	E1	1.6
1	1725	56	RHM3116		321	K	3426M	12.47	32	78.5	E1	1.7
1	1725	56H	RHM3116A		364	K	3426M	12.47	33	78.5	E1	1.7
1 1/2	3450	56H	RHM3120A		387	K	3424M	12.47	32	81.5	E1	2.0
1 1/2	1725	56H	RHM3154		371	K	3520M	11.42	37	81.5	E	2.2
1 1/2	1725	56H	RHM3154A		374	K	3520M	12.42	38	81.5	E	2.2
2	3450	56H	RHM3155A		448	K	3428M	12.47	33	80.0	E1	2.7
2	1725	56H	RHM3157		403	K	3524M	12.42	41	81.5	E	2.9
2	1725	56H	RHM3157A		431	K	3524M	12.42	52	81.5	E	2.9
3	3450	56H	RHM3158		496	K	3524M	12.42	42	82.5	E	3.8
3	3450	145T	RHM3158TA		489	L1	3526M	12.79	45	84.0	E	3.9
3	1725	145T	RHM3161TA	†*	476	L1	3540M	15.04	60	86.5	E	4.0
5	3450	56HZ	RHM3162TA	†*	668	K	3535M	13.64	54	80.0	E	6.5

NOTE: Voltage @ 60 Hz: E1=230/460 usable at 208 volts. E= 208-203/460 volts.
See notes on pages 8 and 9, and inside back flap.

Three Phase - HVAC Variable Torque - ODP

1/2 thru 75 Hp

NEMA 56 thru 365T



Applications: Heating, ventilation and air conditioning fans and blowers

Features: Heavy gauge steel frame construction, ball bearings, 1.15 service factor. Dynamically balanced rotors for reduced vibration and quiet operation. Suitable for mounting in any position. HM models meet EPAct efficiencies. EHM models have higher efficiencies.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number		List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
F1 Mounting												
1	1740	143T	EHM9210T	†*	370	L1	3518M	12.13	34	84.0	E	1.5
1	1725	56HZ	HM9210		279	LS	3426M	12.13	31	78.5	E1	1.7
1 1/2	1740	145T	EHM9214T	†*	370	L1	3524M	13.31	40	85.5	E	2.1
1 1/2	1725	145T	HM9214T		296	LS	3522M	11.62	39	84.0	E	2.2
2	1725	145T	EHM9218T	†*	436	L1	3528M	12.13	42	85.5	E	2.7
2	1725	145T	HM9218T		321	LS	3526M	12.13	42	84.0	E	2.8
3	1750	182T	EHM9222T	†*	469	L1	3542M	15.38	66	87.5	E	4.2
3	1725	182T	HM9222T		348	LS	3540M	14.63	60	86.5	E	4.0
5	1750	184T	EHM9226T	†*	513	L1	3635M	16.50	81	88.5	E1	6.7
5	1750	184T	HM9226T		384	LS	3628M	15.00	68	87.5	E	6.9
7 1/2	1765	213T	HM9229T		535	LS	3643M	17.00	106	88.5	E	10.0
7 1/2	1760	213T	EHM9229T	†*	755	L1	3730M	16.32	117	89.5	E	9.8
10	1765	215T	EHM9232T	†*	915	L1	3733M	16.32	143	90.2	E	13.4
10	1760	215T	HM9232T		671	LS	3731M	16.32	120	89.5	E	13.0
15	1760	254T	EHM9235T	†*	1296	L1	3756M	20.50	187	91.7	E	19.2
15	1760	254T	HM9235T		1006	LS	3748M	19.75	165	91.0	E	19.0
20	1765	254T	EHM9239T	†*	1629	L1	3940M	21.69	242	91.7	F	25.0
20	1760	256T	HM9239T		1225	LS	3936M	21.69	235	91.0	E1	25.0
25	1775	284T	EHM9242T	†*	1985	L1	4040M	23.81	312	92.4	F	32.0
25	1760	284T	HM9242T		1486	LS	3942M	23.44	226	91.7	E1	30.0
30	1775	286T	EHM9246T	†*	2172	L1	4048M	25.06	339	93.0	E1	37.0
30	1760	286T	HM9246T		1716	LS	3952M	24.94	280	92.4	E1	36.0
40	1770	324T	EHM9249T	†*	2833	L1	4060M	27.19	379	93.6	E1	48.0
40	1770	324T	HM9249T		2213	LS	4049M	26.19	350	93.0	E1	47.5
50	1765	326T	EHM9252T	†*	3127	L1	4066M	27.19	380	93.6	E1	62.0
50	1765	324T	HM9252T		2565	LS	4057M	27.19	500	93.0	E1	60.5
60	1770	364T	EHM9255T	†*	3937	L1	4262M	28.94	541	94.1	E1	70.0
60	1770	364T	HM9255T		3167	LS	4250M	27.94	523	93.6	E1	72.5
75	1770	365T	EHM9258T	†*	4836	L1	4276M	30.69	527	94.5	E1	86.0
75	1770	365T	HM9258T		3879	LS	4266M	29.94	544	94.1	E1	88.0
F3 Mounting												
1/2	3450	56	EH3M9201	†*	244	K	3410M	10.25	20	74.0	E2	1.0
1/2	3450	56	H3M9201		198	LS	3410M	10.25	20	68.0	E2	1.0
1/2	1725	56	EH3M9202		296	K	3416M	10.25	24	80.0	E2	0.9
1/2	1725	56	H3M9202	†*	222	LS	3416M	10.25	24	74.0	E2	1.0
3/4	3450	56	EH3M9204	†*	297	K	3419M	10.88	25	81.5	E2	1.0
3/4	3450	56	H3M9204		234	LS	3416M	10.25	24	78.5	E2	1.1
3/4	1725	56	EH3M9205	†*	318	K	3424M	11.75	27	78.5	E2	1.2
3/4	1725	56	H3M9205		246	LS	3420M	10.88	27	75.5	E	1.5
1	3450	56	EH3M9206	†*	343	K	3423M	11.75	29	82.5	E2	1.3
1	3450	56	H3M9206		269	LS	3420M	10.88	27	77.0	E	1.6
1	1740	143T	EH3M9210T	†*	390	L1	3518M	12.12	37	84.0	E	1.5
1	1725	56HZ	H3M9210		279	LS	3426M	12.13	31	78.5	E2	1.7

NOTE: Voltage @ 60 Hz: E= 208-230/460 volts, E1= 230/460 volts, usable at 200 volts, F= 230/460 volts, E2= 230/460 usable at 200 volts.
See notes on pages 8 and 9, and inside back flap.

Three Phase HVAC - Variable Torque - ODP continued...

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
F3 Mounting continued...											
1 1/2	3450	143T	EH3M9212T	†*	L1	3518M	11.12	37	84.0	E	2.0
1 1/2	3450	143T	H3M9212T		LS	3518M	11.12	35	82.5	E	2.0
1 1/2	1740	145T	EH3M9214T	†*	L1	3524M	11.62	43	85.5	E	2.1
1 1/2	1725	145T	H3M9214T		LS	3522M	11.62	39	84.0	E	2.2
2	3450	143T	EH3M9217T	†*	L1	3524M	11.62	43	85.5	E	2.5
2	3450	145T	H3M9217T		LS	3522M	11.62	41	84.0	E	2.6
2	1725	145T	EH3M9218T	†*	L1	3528M	12.13	45	85.5	E	2.7
2	1725	145T	H3M9218T		LS	3526M	12.13	43	84.0	E	2.8
3	3450	145T	EH3M9221T	†*	L1	3530M	13.00	48	85.5	E	3.7
3	3450	145T	H3M9221T		LS	3528M	12.13	45	84.0	E	3.7
3	1750	182T	EH3M9222T	†*	L1	3542M	15.38	64	87.5	E	4.2
3	1725	182T	H3M9222T		LS	3540M	14.63	61	86.5	E	4.0
5	3450	182T	EH3M9225T	†*	L1	3540M	14.63	62	86.5	E2	6.0
5	3450	182T	H3M9225T		LS	3535M	14.00	55	85.5	E	6.1
5	1750	184T	EH3M9226T	†*	L1	3635M	16.50	81	88.5	E2	6.7
5	1750	184T	H3M9226T		LS	3628M	15.00	69	87.5	E	6.9
7 1/2	3450	184T	EH3M9228T	†*	L1	3634M	15.00	78	89.5	E2	8.3
7 1/2	3430	184T	H3M9228T		LS	3627M	15.00	69	87.5	E	8.7
7 1/2	1765	213T	H3M9229T		LS	3643M	17.00	107	88.5	E	10.0
7 1/2	1760	213T	EH3M9229T	†*	L1	3730M	16.32	120	89.5	E	9.8
10	3500	213T	EH3M9231T	†*	L1	3730M	16.32	119	89.5	E	12.0
10	3450	213T	H3M9231T		LS	3725M	16.32	110	88.5	E	11.6
10	1765	215T	EH3M9232T	†*	L1	3733M	16.32	146	90.2	E	13.4
10	1760	215T	H3M9232T		LS	3731M	16.32	132	89.5	E	13.0
15	3500	215T	EH3M9233T	†*	L1	3740M	17.45	155	91.0	E2	16.2
15	3450	215T	H3M9233T		LS	3735M	16.32	129	89.5	E	17.5
15	1760	254T	EH3M9235T	†*	L1	3756M	20.50	187	91.7	E	19.2
15	1760	254T	H3M9235T		LS	3748M	19.75	158	91.0	E	19.0
20	3510	256T	EH3M9238T	†*	L1	3928M	21.69	186	91.0	E2	23.5
20	3500	254T	H3M9238T		LS	3750M	19.75	170	90.2	E	22.0
20	1765	256T	EH3M9239T	†*	L1	3940M	21.69	242	91.7	E2	25.0
20	1760	256T	H3M9239T		LS	3936M	21.69	235	91.0	E2	25.0
25	3510	256T	H3M9241T		LS	3934M	21.69	221	91.0	E2	29.0
25	1775	284T	EH3M9242T	†*	L1	4040M	23.81	312	92.4	E2	32.0
25	1760	284T	H3M9242T		LS	3942M	23.44	252	91.7	E2	30.0
30	3510	284TS	EH3M9244T	†*	L1	3948M	23.56	250	91.7	E2	33.0
30	3510	284TS	H3M9244T		LS	3936M	22.06	235	91.0	E2	35.0
30	1775	286T	EH3M9246T	†*	L1	4048M	25.06	339	93.0	E2	37.0
30	1760	286T	H3M9246T		LS	3952M	24.94	249	92.4	E2	36.0
40	3510	286TS	EH3M9248T	†*	L1	3956M	23.56	288	92.4	E2	45.0
40	3510	286TS	H3M9248T		LS	3950M	23.56	251	91.7	E2	46.0
40	1770	324T	EH3M9249T	†*	L1	4060M	27.19	378	93.6	E2	48.0
40	1770	324T	H3M9249T		LS	4049M	26.19	339	93.0	E2	47.5
50	1765	324T	H3M9252T		LS	4057M	27.19	378	93.0	E2	60.5
60	1770	364T	EH3M9255T	†*	L1	4262M	28.94	541	94.1	E2	70.0
60	1770	364T	H3M9255T		LS	4250M	27.94	475	93.6	E2	72.5
75	1770	365T	EH3M9258T	†*	L1	4276M	30.69	553	94.5	E2	86.0
75	1770	365T	H3M9258T		LS	4266M	29.94	544	94.1	E2	88.0

NOTE: Voltage @ 60 Hz: E= 208-230/460 volts, E1= 230/460 volt, usable at 208 volts, E2= 230/460 usable at 200 volts. See notes on pages 8 and 9, and inside back flap.

Three Phase - HVAC Variable Torque - TEFC



1/2 thru 75 Hp

NEMA 56 thru 365T

Applications: Heating, ventilation and air conditioning fans and blowers

Features: Heavy gauge steel frame construction (1-10 hp), ball bearings, 1.15 service factor. Dynamically balanced rotors for reduced vibration and quiet operation. Suitable for mounting in any position. HM models meet EPAct efficiencies. EHM models have higher efficiencies.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number		List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
F1 Mounting												
1	1740	143T	EHM9110T	†*	443	L1	3518M	13.31	35	84.0	E	1.5
1	1725	56HZ	HM9110T		313	LS	3426M	13.22	31	78.5	E	1.7
1 1/2	1740	145T	EHM9114T	†*	462	L1	3524M	13.31	43	85.5	E	2.0
1 1/2	1740	145T	HM9114T		319	LS	3524M	13.31	40	84.0	E	2.1
2	1740	145T	EHM9118T	†*	479	L1	3532M	14.19	54	85.5	E	2.7
2	1740	145T	HM9118T		334	LS	3528M	13.31	45	84.0	E	2.8
3	1755	182T	EHM9122T	†*	539	L1	3630M	16.79	74	88.5	E	3.9
3	1750	182T	HM9122T		395	LS	3546M	16.52	70	87.5	E	4.1
5	1750	184T	EHM9126T	†*	590	L1	3640M	18.29	92	88.5	E1	6.4
5	1750	184T	HM9126T		452	LS	3633M	16.79	78	87.5	E1	7.1
7 1/2	1760	213T	EHM9129T	†*	850	L1	3730M	17.91	124	89.5	E	9.8
7 1/2	1760	213T	HM9129T		580	LS	3730M	17.91	128	89.5	E	9.8
10	1760	215T	EHM9132T	†*	959	L1	3738M	19.03	136	90.2	E	12.8
10	1760	215T	HM9132T		708	LS	3738M	19.03	139	89.5	E	12.8
15	1765	254T	EHM9135T	†*	1479	L1	3940M	23.57	255	91.7	E1	18.3
15	1760	254T	HM9135T	†*	1211	LS	0756M	21.12	236	91.0	F	19.2
20	1760	256T	EHM9139T	†*	1793	L1	0944M	23.16	265	91.7	E1	24.0
20	1760	256T	HM9139T	†*	1495	LS	0938M	23.16	269	91.0	E1	24.0
25	1770	284T	EHM9142T	†*	2347	L1	1052M	27.76	410	93.0	F	30.0
25	1760	284T	HM9142T	†*	1855	LS	0956M	25.97	416	92.4	E1	29.0
30	1770	286T	EHM9146T	†*	2788	L1	1056M	27.76	437	93.0	F	36.0
30	1760	286T	HM9146T	†*	2157	LS	1052M	27.76	414	92.4	E1	36.0
40	1775	324T	HM9149T	†*	2880	LS	1248M	30.40	528	93.0	E1	47.0
40	1770	324T	EHM9149T	†*	3644	L1	1254M	30.40	580	93.6	F	46.0
50	1770	326T	EHM9152T	†*	3982	L1	1260M	30.40	592	93.6	F	58.0
50	1770	326T	HM9152T	†*	3004	LS	1250M	30.40	562	93.0	E1	59.0
60	1775	364T	EHM9155T	†*	6368	L1	1460M	32.84	808	94.1	F	70.0
60	1775	364T	HM9155T	†*	4499	LS	1450M	32.84	723	93.6	E1	70.0
75	1775	365T	HM9158T	†*	5558	LS	1462M	32.84	814	94.1	E1	86.0
F3 Mounting												
1/2	3450	56	EH3M9101	◆	319	K	3410M	11.35	21	72.0	E2	1.0
1/2	3450	56	H3M9101		232	LS	3410M	11.35	21	68.0	E2	1.0
1/2	1725	56	EH3M9102		312	K	3420M	11.35	27	76.0	E2	1.0
1/2	1725	56	H3M9102		252	LS	3416M	11.35	24	74.0	E2	1.0
3/4	3450	56	EH3M9104	†*	349	K	3419M	11.35	24	81.5	E2	1.0
3/4	3450	56	H3M9104		256	LS	3416M	11.35	24	75.5	E2	1.2
3/4	1725	56	EH3M9105		372	K	3424M	11.97	31	78.5	E2	1.2
3/4	1725	56	H3M9105		277	K	3420M	11.35	27	75.5	E	1.5
1	3450	56	EH3M9106	†*	393	LS	3418M	11.35	25	77.0	E2	1.4
1	3450	56	H3M9106		300	LS	3416M	11.35	24	75.5	E2	1.8
1	1740	143T	EH3M9110T	†*	443	L1	3518M	13.31	34	84.0	E	1.5
1	1725	56HZ	H3M9110		321	LS	3426M	13.22	31	78.5	E	1.7

NOTE: Voltage @ 60 Hz: E= 208-230/460 volts, E1= 230/460 usable at 208 volts, E2= 230/460 volts, usable at 200 volts, F= 230/460 volts. See notes on pages 8 and 9, and inside back flap.

SHADED RATINGS ARE CAST IRON FRAMES

Three Phase - TEFC continued...

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
F3 Mounting continued...											
1 1/2	3450	143T	EH3M9112T	†*	L1	3522M	13.31	42	84.0	E	1.9
1 1/2	3450	143T	H3M9112T		L1	3520M	13.31	40	82.5	E	2.1
1 1/2	1740	145T	EH3M9114T	†*	L1	3524M	13.31	39	85.5	E	2.0
1 1/2	1740	145T	H3M9114T		LS	3524M	13.31	44	84.0	E	2.1
2	3450	145T	EH3M9117T	†*	L1	3532M	14.19	53	86.5	E2	2.4
2	3450	145T	H3M9117T		L1	3526M	13.31	41	84.0	E	2.6
2	1740	145T	EH3M9118T	†*	L1	3532M	14.19	51	85.5	E	2.7
2	1740	145T	H3M9118T		LS	3528M	13.31	48	84.0	E	2.8
3	3450	182T	EH3M9121T	†*	L1	3532M	15.14	57	86.5	E	3.6
3	3450	182T	H3M9121T	†*	LS	3535M	15.14	68	85.5	E	3.7
3	1755	182T	EH3M9122T	†*	L1	3630M	16.79	75	88.5	E	3.9
3	1750	182T	H3M9122T		LS	3546M	16.52	71	87.5	E	4.1
5	3450	184T	EH3M9125T	†*	L1	3634M	16.79	81	88.5	E	5.6
5	3450	184T	H3M9125T	†*	LS	3626M	16.79	75	87.5	E	5.8
5	1750	184T	EH3M9126T	†*	L1	3640M	18.29	92	88.5	E2	6.4
5	1750	184T	H3M9126T		LS	3633M	16.79	81	87.5	E2	7.1
7 1/2	3500	213T	EH3M9128T	†*	L1	3728M	17.91	120	89.5	E	8.6
7 1/2	3450	213T	H3M9128T	†*	LS	3640M	18.55	100	88.5	E	8.7
7 1/2	1760	213T	EH3M9129T	†*	L1	3730M	17.91	129	89.5	E	9.8
7 1/2	1760	213T	H3M9129T		LS	3730M	17.91	128	89.5	E	9.8
10	3500	215T	H3M9131T	†*	LS	3732M	17.91	128	89.5	E	11.5
10	3450	215T	EH3M9131T	†*	L1	3738M	19.03	136	90.2	E2	11.5
10	1760	215T	EH3M9132T	†*	L1	3738M	19.03	140	90.2	E	12.8
10	1760	215T	H3M9132T		LS	3738M	19.03	140	89.5	E	12.8
15	3520	254T	EH3M9133T	†*	L1	3936M	23.57	235	91.0	F	16.7
15	3450	254T	H3M9133T	†*	LS	3750M	21.57	158	90.2	E	17.0
15	1765	254T	EH3M9135T	†*	L1	3940M	23.57	242	91.7	E2	18.3
15	1760	254T	H3M9135T	†*	LS	3756M	22.07	187	91.0	E	19.4
20	1760	256T	EH3M9139T	†*	L1	3952M	23.57	248	91.7	E2	23.0
20	1760	256T	H3M9139T	†*	LS	3948M	23.57	250	91.0	E2	24.0

NOTE: Voltage @ 60 Hz: E= 208-230/460 volts E2 = 230/460 volts, usable at 200 volts., F = 230/460 volts.
See notes on pages 8 and 9, and inside back flap.

Single Phase (PSC) - Direct Drive Fan - TEAO, Resilient and Rigid Base

1/4 thru 3/4 Hp

NEMA 48Z thru 56Z



Applications: Confinement houses, exhaust fans, air handling fans, unit heaters.

Features: Double sealed ball bearings, rugged steel frame, corrosion resistant epoxy finish. 1" extended thru bolts. Permanent split capacitor.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
Resilient Base											
1/4	1700	48Z	CHC3413A	♦	277	K	3414C	11.35	22	54.0	2.4
1/4	1100	48Z	CHC3414A	♦	328	K	3418C	11.97	25	51.0	2.2
1/3	1700	48Z	CHC3416A	♦	301	K	3418C	11.97	25	56.0	2.8
1/3	1100	48Z	CHC3417A	♦	378	K	3421C	11.97	27	54.0	2.8
1/2	1725	56Z	CHL3523A	§	339	K	3421L	12.72	28	68.0	3.7
1/2	1700	56Z	CHC3524A	♦	339	K	3421C	13.59	28	67.0	3.4
1/2	1100	56Z	CHC3525A	♦	434	K	3528C	13.54	43	62.0	3.6
1/2	825	56Z	CHC3526A	♦	537	K	3535C	14.42	49	50.0	4.6
3/4	1125	56Z	CHC3528A	♦	514	K	3535C	14.42	50	71.0	4.5
Rigid Base											
1/4	1625	48Z	PSC3413A	♦	278	K	3411C	11.34	20	65.5	1.3
1/3	1625	48Z	PSC3416A	♦	309	K	3414C	11.34	21	62.0	1.8
1/2	1625	48Z	PSC3524A	♦	339	K	3418C	11.96	24	65.0	3.0

NOTE: Voltage @ 60 Hz: B = 115/230, B1 = 115/230 usable at 208 volts. See notes on pages 8 and 9, and inside back flap.

V-dimension on NEMA 48Z is 2.5" and V-dimension on NEMA 56Z is 3".

§ Capacitor start, induction run.

Three Phase - ODP Condenser Fan, "Belly Band" Round Body

1/2 thru 1 1/2 Hp

NEMA 48YZ and 56YZ



Applications: Designed specifically for use on commercial refrigeration condenser units and air conditioning units.

Features: Corrosion resistant finish, ball bearings, dynamically balanced for quiet operation. Automatic reset thermal. Shaft 6" long - keyway and flat are 90° apart. Reconnectable leads in pulley endplate.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
1/2	1140	48YZ	CFM3036A	†♦	394	K	3418M	14.29	25	72.0	1.2
1/2	1140	56YZ	CFM3136A		408	K	3516M	15.30	31	70.0	1.2
3/4	1140	48YZ	CFM3046A	†♦	428	K	3428M	16.02	34	77.0	1.5
3/4	1140	56YZ	CFM3146A		441	K	3520M	15.30	33	75.5	1.4
1	1140	56YZ	CFM3156A	†*	503	K	3524M	16.30	37	75.5	1.7
1 1/2	1140	56YZ	CFM3166A		548	K	3535M	17.18	47	76.0	2.5

NOTE: Voltage @ 60 Hz: E = 208-230/460 volts. See notes on pages 8 and 9, and inside back flap.

Three Phase - TEAO, Rigid Base

1/4 thru 10 Hp

NEMA 48 thru 254T

Applications: "In the Airstream" and fan-on-shaft applications.

Features: Locked drive end bearing construction, bearings sized for larger overhung loads for fan-on-shaft applications. Leads 36".



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	Minimum Airflow Ft/Min
1/4	1725	48	AOM3454	234	K	3410M	9.63	19	64.0	E1	0.7	800
1/3	1725	48	AOM3458	261	K	3410M	9.63	19	68.0	E1	0.9	800
1/2	1725	56	AOM3538	307	K	3413M	10.25	21	70.0	E	1.1	1000
3/4	1725	56	AOM3542	331	K	3416M	10.25	23	72.0	E	1.6	1000
1	1725	143T	AOM3546T	344	L1	3428M	11.81	32	75.5	E	1.8	800
1	1140	145T	AOM3556T	437	L1	3524M	12.13	38	75.5	E	1.7	800
1	850	182T	AOM3617T	846	L1	3623M	13.62	56	68.0	E	2.1	500
1 1/2	1725	145T	AOM3554T	359	L1	3516M	11.13	31	75.5	E	2.7	1000
1 1/2	1140	182T	AOM3607T	499	L1	3617M	13.62	52	78.5	E	2.5	800
2	1725	145T	AOM3558T	380	L1	3520M	11.13	35	81.5	E	2.8	1000
2	1140	184T	AOM3614T	535	L1	3623M	13.62	56	80.0	E	3.2	1200
2	850	213T	AOM3702T	1284	L1	3721M	16.32	95	81.5	E	3.6	700
3	1725	182T	AOM3611T	446	L1	3620M	13.62	55	81.5	E	4.3	1200
3	1140	213T	AOM3704T	671	L1	3723M	16.32	90	77.0	E	5.0	1800
3	850	215T	AOM3705T	1403	L1	3735M	16.32	112	77.0	E	6.0	800
5	1725	184T	AOM3615T	515	L1	3634M	15.00	74	85.5	E1	6.6	1500
5	1140	215T	AOM3708T	961	L1	3735M	16.32	114	82.5	E	7.5	1500
5	870	254T	AOM25904T	2231	L1	3936M	19.63	213	82.5	E1	8.9	1000
7 1/2	1760	213T	AOM3710T	661	L1	3725M	16.32	114	87.5	E	10.4	1500
10	1725	215T	AOM3714T	802	L1	3740M	17.44	125	87.5	E	13.0	1500

NOTE: Voltage @ 60 Hz: E1=230/460 usable at 208 volts, E= 208-230/460 volts.
See notes on pages 8 and 9, and inside back flap.

HVAC Motors

Farm Duty
Motors

Definite Purpose
Motors

Brake Motors

200 & 575 Volt
Motors

IEC Frame
Motors

50 Hertz
Motors

Inverter/Vector
Motors & Controls

DC Motors
and Controls

Soft Start &
Dynamic Brakes

Single Phase

1/3 thru 10 Hp

NEMA 56 thru 215T



Applications: Wide variety of agri-duty and industrial applications.

Features: Ball bearings, lubricated with high temperature moisture-resistant grease. Condensation drains, gasketed cast conduit boxes. Farm duty epoxy paint for protection from harsh environments. 1.00 Service Factor.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
Rigid Base											
1/3	1725	56	FDL3501M	290	K	3414L	11.35	23	60.0	B1	3.0
1/2	1725	56	FDL3504M	341	K	3421L	11.97	28	68.0	B1	3.7
3/4	1725	56	FDL3507M	402	K	3432LC	13.38	38	74.0	B	4.4
1	1725	56/56H	FDL3510M	457	K	3524L	12.93	40	67.0	B1	6.5
1	1725	143T	FDL3510TM	457	L1	3524L	13.31	38	67.0	B1	6.5
1 1/2	1725	56/56H	FDL3514M	♦	K	3532LC	13.81	48	75.5	B	9.0
1 1/2	1725	145T	FDL3514TM	♦	L1	3532LC	14.19	48	75.5	B	9.0
NEMA C-Face with Base											
1/3	1725	56C	CFDL3501M	393	K	3414L	11.35	24	60.0	B1	3.0
1/2	1725	56C	CFDL3504M	451	K	3421L	11.97	29	68.0	B1	3.7
3/4	1725	56C	CFDL3507M	526	K	3432LC	13.35	37	74.0	B	4.4
1	1725	56CH	CFDL3510M	596	K	3524L	13.25	41	67.0	B1	6.5
1 1/2	1725	56CH	CFDL3514M	♦	K	3532LC	14.12	48	75.5	B	9.0
2	1725	56CHZ	CFDL3516TM	†*	K	3535LC	14.19	53	78.0	C	8.3
NEMA C-Face less Base											
1/3	1725	56C	VFDL3501M	379	K	3414L	11.35	23	60.0	B1	3.0
1/2	1725	56C	VFDL3504M	436	K	3421L	11.97	28	68.0	B1	3.7
3/4	1725	56C	VFDL3507M	508	K	3432LC	13.35	38	74.0	B	4.4
1	1725	56C	VFDL3510M	577	K	3524L	13.25	39	67.0	B1	6.5
1 1/2	1725	56C	VFDL3514M	♦	K	3532LC	14.12	47	75.5	B	9.0
Extra High Torque - Capacitor start, Capacitor run - Rigid Base											
2	1725	56HZ	FDL3516TM	†*	K	3535LC	14.19	51	78.0	C	8.3
2	1725	182T	FDL3611TM	♦	L1	3634L	16.55	79	75.0	B	14.0
2	1725	184	FDL3611M	♦	L1	3634L	15.68	75	75.0	B	14.0
3	1750	184	FDL3610M	†♦	L1	3640LC	17.18	89	80.0	C	15.5
3	1750	184T	FDL3610TM	†♦	L1	3640LC	18.05	93	80.0	C	15.5
3	1725	184T	FDL3619TM	†♦	L1	3634LC	16.54	81	81.5	C	13.2
5	1725	184T	FDL3612TM	†♦	L1	3646LC	18.05	98	80.0	C	23.0
5	1725	215	FDL3731M	†♦	L1	3735LC	18.64	125	82.5	C	22.8
7 1/2	1725	213T	FDL3733TM	†♦	L1	3740LC	19.02	142	84.0	C	30.0
7 1/2	1725	213	FDL3732M	†♦	L1	3740LC	18.65	142	84.0	C	30.0
10	1725	215T	FDL3712TM	@	†♦	3750LC	20.77	160	84.0	C	40.0
10	1725	215T	FDL3737TM	@	†♦	3750LC	20.77	162	84.0	C	40.0
Extra High Torque - Capacitor start, Capacitor run - NEMA C-Face less Base											
2	1725	145TC	VFDL3516TM	†*	L1	3535LC	14.19	52	78.0	C	8.3
3	1750	184TC	VFDL3610TM	†♦	L1	3640LC	18.05	97	80.0	C	15.5
5	1725	184TC	VFDL3612TM	†♦	L1	3646LC	18.33	101	80.0	C	23.0

NOTE: Voltage @ 60 Hz: B= 115/230, B1=115/230 usable at 208 volts, C= 230, Flexible waterproof cover protects thermal overload reset button on 1/2 Hp through 10 Hp.

@ = cooling fan on each end.

See notes on pages 8 and 9, and inside back flap.

Three Phase - TEAO, Rigid Base

1/4 thru 10 Hp

NEMA 48 thru 215T

Applications: "In the Airstream" and fan-on-shaft applications.

Features: Locked drive end bearing construction, bearings sized for larger overhung loads for fan-on-shaft applications. 36" Leads.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	Minimum Airflow Ft/Min
1/4	1725	48	AOM3454	234	K	3410M	9.63	19	64.0	E1	0.7	800
1/3	1725	48	AOM3458	261	K	3410M	9.63	19	68.0	E1	0.9	800
1/2	1725	56	AOM3538	307	K	3413M	10.25	21	70.0	E	1.1	1000
3/4	1725	56	AOM3542	331	K	3416M	10.25	23	72.0	E	1.6	1000
1	1725	143T	AOM3546T	344	L1	3428M	11.81	32	75.5	E	1.8	800
1	1140	145T	AOM3556T	437	L1	3524M	12.13	38	75.5	E	1.7	800
1	850	182T	AOM3617T	846	L1	3623M	13.62	56	68.0	E	2.1	500
1 1/2	1725	145T	AOM3554T	359	L1	3516M	11.13	31	75.5	E	2.7	1000
1 1/2	1140	182T	AOM3607T	499	L1	3617M	13.62	52	78.5	E	2.5	800
2	1725	145T	AOM3558T	380	L1	3520M	11.13	35	81.5	E	2.8	1000
2	1140	184T	AOM3614T	535	L1	3623M	13.62	56	80.0	E	3.2	1200
2	850	213T	AOM3702T	1284	L1	3721M	16.32	95	81.5	E	3.6	700
3	1725	182T	AOM3611T	446	L1	3620M	13.62	55	81.5	E	4.3	1200
3	1140	213T	AOM3704T	671	L1	3723M	16.32	90	77.0	E	5.0	1800
3	850	215T	AOM3705T	1403	L1	3735M	16.32	112	77.0	E	6.0	800
5	1725	184T	AOM3615T	515	L1	3634M	15.00	74	85.5	E1	6.6	1500
5	1140	215T	AOM3708T	961	L1	3735M	16.32	114	82.5	E	7.5	1500
5	870	254T	AOM25904T	2231	L1	3936M	19.63	213	82.5	E1	8.9	1000
7 1/2	1760	213T	AOM3710T	661	L1	3725M	16.32	114	87.5	E	10.4	1500
10	1725	215T	AOM3714T	802	L1	3740M	17.44	125	87.5	E	13.0	1500

NOTE: Voltage @ 60 Hz: E1=230/460 usable at 208 volts, E = 208-230/460 volts.
See notes on pages 8 and 9, and inside back flap.

HVAC Motors

Farm Duty
Motors

Definite Purpose
Motors

Brake Motors

200 & 575 Volt
Motors

IEC Frame
Motors

50 Hertz
Motors

Inverter/Vector
Motors & Controls

DC Motors
and Controls

Soft Start &
Dynamic Brakes

Single and Three Phase - Grain Dryer/Centrifugal Fan - ODP and TEFC, Rigid Base



5 thru 50 Hp

NEMA 184TZ thru 326TZ

Applications: High pressure grain drying and storage for commercial and farm applications.

Features: Shaft length is 1" longer than NEMA standard. Screens to protect against entry of trash, snakes and rodents. Three phase ratings meet EPA efficiencies.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	
Open Drip Proof, Single Phase												
5	1725	184TZ	GDL1605T	†♦	1133	L1	3646LC	19.06	101	80.0	C	22.5
10	1725	215TZ	GDL1607T	†*	1490	L1	3744LC	22.57	161	82.5	C	32.0
10	1725	215TZ	GDL1610T	†♦	1725	L1	3750LC	22.57	172	84.0	C	40.0
16	1760	256TZ	GDL1615T	†♦	2568	L1	3956LC	24.19	288	85.5	C	62.0
Open Drip Proof, Three Phase												
5	1750	184TZ	GDM3218T		626	L1	3628M	16.00	69	87.5	E	6.9
7 1/2	1750	213TZ	GDM3311T		889	L1	3643M	18.00	113	88.5	E	10.0
10	1760	215TZ	GDM3313T		1078	L1	3731M	17.32	131	89.5	E	13.0
15	1760	254TZ	GDM2513T	†*	1327	L1	3748M	21.00	172	91.0	E	19.0
20	1760	254TZ	GDM2515T		1748	L1	3936M	22.69	165	91.0	E1	25.0
25	1760	284TZ	GDM2531T		2147	L1	3942M	24.44	329	91.7	E1	31.0
30	1760	284TZ	GDM2535T		2498	L1	3952M	25.94	351	92.4	E1	36.0
Totally Enclosed Fan Cooled, Three Phase												
3	1725	182TZ	GDM3611T	†*	628	L1	3535M	16.14	59	84.0	E	4.1
5	1725	184TZ	GDM3615T	†*	726	L1	3634M	17.55	77	85.5	E	6.6
7 1/2	1725	213TZ	GDM3710T	†*	925	L1	3735M	18.90	118	87.5	E	10.0
10	1760	215TZ	GDM3714T	†*	1494	L1	3740M	18.90	142	88.5	F	13.6
15	1760	254TZ	GDM2333T	†*	1975	L1	0748M	22.07	231	90.2	E	19.0
20	1760	256TZ	GDM2334T	†*	2114	L1	0938M	24.16	322	91.0	E1	24.0
25	1760	284TZ	GDM4103T	†*	3009	L1	0956M	26.93	322	92.4	E1	29.0
30	1760	286TZ	GDM4104T	†*	3554	L1	0964M	26.93	322	92.4	E1	36.0
40	1770	324TZ	GDM4110T	†*	4720	L1	1240M	31.28	518	90.2	E1	49.0
50	1760	326TZ	GDM4115T	†*	4889	L1	1246M	31.28	560	91.0	E1	60.0

NOTE: Voltage @ 60 Hz: C = 230, E1=230/460 usable at 208 volts, E = 208-230/460 volts, F = 230/460 volts.
See notes on pages 8 and 9, and inside back flap.

SHADED RATINGS ARE CAST IRON FRAMES

HVAC Motors

Farm Duty
Motors

Definite Purpose
Motors

Brake Motors

200 & 575 Volt
Motors

IEC Frame
Motors

50 Hertz
Motors

Inverter/Vector
Motors & Controls

DC Motors
and Controls

Soft Start &
Dynamic Brakes

Single and Three Phase - 3 thru 15 Hp Grain Dryer/Vane Axial Fan - TEAO and OAO, Rigid Base

NEMA 145TZ thru 215Z

Applications: Vane axial fan crop dryers.

Features: Shaft 3/4" longer than NEMA standard, shaft keyed, drilled and tapped with internal 1/4-20 tap 1" deep. 1.00 Service Factor. Thermostats. Epoxy paint.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
Totally Enclosed Fan Cooled, Single Phase											
1.5-3	3450	145TZ	UCLE153	†*	L1	3532LC	14.25	52	85.5	D1	12.5
3-4.5	3450	145TZ	UCLE3145	†♦	L1	3540LC	15.62	60	82.5	C	12.5
5-7	3450	182TZ	UCLE570	♦††	L1	3646LC	16.88	94	84.0	C	20.5
7.5-10.5	3450	182TZ	UCLE7510	†♦	L1	3646LC	16.88	92	85.5	C	38.0
Open Air Over, Single Phase											
1.5-3	3450	145TZ	UCL153	†♦	L1	3532LC	14.25	51	77.0	C	13.6
3-4.5	3450	145TZ	UCL3145	†♦	L1	3540LC	15.62	60	77.8	C	20.0
3-4.5	3450	182Z	UCL345	†♦	L1	3634L	14.88	73	74.0	C	22.0
5-7	3450	182TZ	UCL570	†♦	L1	3646L	16.88	93	80.0	C	35.0
7.5-10	3450	182TZ	UCL710	†♦	L1	3646LC	16.88	92	85.0	C	31.0
7.5-10	3450	215Z	UCL7510	†♦	L1	3729L	17.44	108	81.0	C	37.0
10-15	3450	215Z	UCL1015	†♦	L1	3744LC	17.81	137	84.0	C	44.0
10-15	3500	215Z	UCLE1015	†♦	L1	3750LC	18.56	160	89.0	C	46.0
Totally Enclosed Air Over, Three Phase											
3-4.5	3450	182Z	UCME345	†♦	L1	3628M	14.88	68	85.5	E	6.0
1.5-3	3450	145TZ	UCME153	†♦	L1	3524M	13.37	42	80.0	E	4.1
3-4.5	3450	143TZ	UCME3145	♦††	L1	3528M	13.37	45	84.5	E	6.0
5-7	3450	184TZ	UCME570	†♦	L1	3628M	15.38	69	84.0	E1	9.0
7.5-9.2	3450	184TZ	UCME759	†♦	L1	3640M	16.88	85	89.5	E	8.5
7.5-9.2	3450	184TZ	UCME7510	†♦	L1	3640M	16.88	85	86.5	E1	11.5
10-15	3450	215Z	UCME1014	†♦	L1	3733M	16.69	123	87.5	E	16.5
Open Air Over, Three Phase											
1.5-3	3450	145TZ	UCM153	†♦	L1	3524M	13.37	42	80.0	E	4.1
3-4.5	3450	143TZ	UCM3145	†♦	L1	3528M	13.37	45	81.5	E	6.0
3-4.5	3450	182Z	UCM345	†♦	L1	3532M	14.25	54	84.0	E	5.8
5-7	3450	184TZ	UCM575	†♦	L1	3628M	15.38	67	84.0	F	9.5
10-15	3450	184TZ	UCM713	♦	L1	3646M	16.88	89	84.0	E	12.0
10-15	3450	215Z	UCM1014	†♦	L1	3726M	16.69	101	85.5	E	18.0

NOTE: Voltage @ 60 Hz: C = 230, D1 = 230 usable at 208 volts, E1 = 230/460 usable at 208 volts, F = 230/460 volts, E = 208-230/460 volts.
See notes on pages 8 and 9, and inside back flap.

Single Phase PSC (switchless) - Universal Crop Dryer - TEAO and OAO



3 thru 15 Hp

NEMA 184Z thru 215Z

Applications: Specifically engineered for use on vane axial fan crop dryers.

Features: TEAO design prevents entrance of rodents, insects and other foreign matter. High full load efficiency for reduced operating cost. No mechanical switch to wear. No noise and vibration from regeneration. Less sensitive to voltage variations. Soft start. Thermostats. Epoxy paint. 1.00 Service Factor.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
Totally Enclosed Air Over											
3-4.5	3450	184Z	UCCE345	†♦	753	L1	3634C	75	82.0	C	13.0
5-7	3450	184TZ	UCCE570	†♦	884	L1	3640C	87	84.0	C	19.0
7.5-9.2	3450	184TZ	UCCE759	†♦	973	L1	3646C	93	85.5	C	29.0
7.5-10.5	3450	215Z	UCCE7510	†♦	1202	L1	3729C	106	84.0	C	30.0
13	3450	215Z	UCCE130	†♦	1519	L1	3744C	140	85.0	C	50.0
Open Air Over											
5-7	3450	184TZ	UCC5700	†♦	802	L1	3634C	74	79.0	C	19.5
7.5-10	3450	184TZ	UCC7100	†♦	882	L1	3640C	83	85.5	C	28.0
10-15	3450	215Z	UCC10150	†♦	1637	L1	3740C	128	83.0	C	41.0

NOTE: Voltage @ 60 Hz: C = 230 volts. See notes on pages 8 and 9, and inside back flap.

Three Phase, Irrigation Tower Drive - TENV, C-Face, No Base



1 Hp

NEMA 56

Applications: Irrigation tower drive motors.

Features: Sealed fit at endplates. Sheds water. Conduit box cast into front endplate. Epoxy paint. High overload capabilities. The "P" indicates less pulley endplate for integral mounting; can be field modified for older designs with internal thru bolts.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number		List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
Motor less Pulley Endplate												
1	1725/1425	56YZ	IM3540A-P	◆□■	493	K	3524M	11.02	38	79.0	N	1.8
Complete Motor (As pictured)												
1	1725/1425	56C	IM3540A	◆□■	508	K	3524M	13.27	41	79.0	N	1.8

NOTE: Voltage @ 50//60 Hz: N = 380//460 volts. See notes on pages 8 and 9, and inside back flap. Gearbox not included in price.

Single Phase - Auger Drive - TEFC, Flange Mount Capacitor Start

1/3 thru 1 1/2 Hp

NEMA 56N Flange

Applications: Poultry feed auger drive systems.

Mechanical Features: Mechanical protection of centrifugal switch to prevent damage to motor in case of overspeed. Manual reset thermal protection mounted in oversize conduit box. Farm Duty epoxy paint and thermal cover protect motor from harsh environments. Extended shaft (fan end) with wrench flats for manual jogging of auger. NEMA 56N flange connects to the drive/gear box assembly. Gear reducer is assembled to motor.

Electrical Features: High efficiency design. Moisture resistant 200°C copper windings. Stator and steel frame dipped and baked in 100% solid polyester non-hygroscopic varnish. Heavy duty Type 1 capacitor.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
1/3	1725	48YZ	ANFL3501M	363	K	3414L	12.44	24	60.0	B1	3.0
1/2	1725	48YZ	ANFL3504M	408	K	3421L	12.44	28	68.0	B1	3.7
3/4	1725	48YZ	ANFL3507M	476	K	3428LC	13.32	35	74.0	B1	4.1
1	1725	56YZ	ANFL3510M	588	K	3524L	13.55	41	67.0	B1	6.5
1 1/2	1725	56YZ	ANFL3514M	874	K	3532LC	14.43	51	75.5	B1	9.0

NOTE: Voltage @ 60 Hz: B1=115/230 volts usable at 208 volts. See notes on pages 8 and 9, and inside back flap.

HVAC Motors

Farm Duty Motors

Definite Purpose Motors

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Start & Dynamic Brakes

Single Phase - Grain Stirring - TEFC, Rigid Base

1 1/2 Hp

NEMA 56Z

Applications: Inside bin grain stirring systems.

Features: Corrosion resistant epoxy finish, slotted fan cover designed to prevent clogging. Manual thermal with cover.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	“C” Dimension	Ap’x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	
1 1/2	1725	56Z	GSL3509M	†♦	541	K	3528LC	12.29	42	79.0	C	7.5

NOTE: Voltage @ 60 Hz: C = 230. See notes on pages 8 and 9, and inside back flap.

Single Phase - Instant Reversing - TEFC, Rigid Base

3/4 thru 2 Hp

NEMA 56 thru 184

Applications: Farm applications such as barn cleaners, bulk feeders and industrial applications.

Features: Farm Duty epoxy paint protects motor from harsh environments. Manual thermal with cover mounted in conduit box for protection, ball bearings, condensation drains, heavy gauge steel construction.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	
3/4	1725	56	IR3507M	♦	448	K	3524L	13.25	41	65.0	C	5.2
1	1725	56	IR3510M	†*	486	K	3528L	13.25	43	65.0	C	6.2
1 1/2	1725	184	IR3603M		953	L1	3628L	15.68	68	69.0	C	10.0
2	1725	184	IR3605M		991	L1	3634L	15.68	75	71.0	C	11.5

NOTE: Voltage @ 60 Hz: C = 230. See notes on pages 8 and 9, and inside back flap.

Single and Three Phase - Aeration Fan - TEAO, Rigid Base

3/4 thru 3 Hp

NEMA 56 thru 145TZ

Applications: Aeration fans for farm grain storage, exhaust fans, air handling systems, etc.

Features: Lubrication fittings on NEMA T frames for easy on-site maintenance, ball bearings, corrosion protected with epoxy finish. Normally-closed thermostats on three phase motors.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number		List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
Single Phase												
3/4	3450	56Z	AFL3520A	◆	277	K	3420L	11.59	25	71.0	B	5.5
1	3450	56	AFL3521A	◆	327	K	3524L	12.68	38	66.0	B	6.0
1 1/2	3450	56	AFL3525A	◆	424	K	3528L	12.68	43	70.0	B1	8.3
1 1/2	3450	143TZ	AFL3522A	◆	454	L1	3528L	12.74	43	70.0	B1	8.3
2	3450	143TZ	AFL3523A	◆	554	L1	3535L	13.61	50	74.0	B	11.5
3	3450	145TZ	AFL3524A	◆	579	L1	3535LC	13.61	49	78.0	C	15.0
Three Phase												
3/4	3450	56Z	AFM3528		281	K	3413M	10.97	21	74.0	E1	1.3
1	3450	56Z	AFM3529		305	K	3416M	10.97	23	75.5	E1	1.8
1 1/2	3450	143T	AFM3530		353	L1	3516M	11.74	31	75.5	E	2.3
3	3450	145T	AFM3532	◆	468	L1	3528M	12.74	49	82.5	E	3.8

NOTE: Voltage @ 60 Hz: B = 115/230, B1 = 115/230 usable at 208, C = 230, E1 = 230/460 usable at 208 volts, E = 208-230/460 volts. See notes on pages 8 and 9, and inside back flap.

Single Phase - Dairy/ Vacuum Pump - TEFC, Rigid Base

5 thru 10 Hp

NEMA 213T thru 215T

Applications: Vacuum pumps used in the dairy industry.

Features: Manual thermal overload protected, heavy gauge steel frame. 1.15 Service Factor. 50°C ambient-continuous duty. Farm duty epoxy paint.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	“C” Dimension	Ap’x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
5	1725	213T	DEL3708TM†*	1573	L1	3744LC	19.01	137	81.0	C	21.2
7 1/2	1725	215T	DEL3733TM†*	2065	L1	3750LC	20.77	162	85.0	C	28.0
10	1760	215T	DEL3737TM††	2522	L1	3750LC	20.77	162	86.5	C	39.0

NOTE: Voltage @ 60 Hz: C = 230. See notes on pages 8 and 9, and inside back flap. DEL3737TM has cooling fan on each end.

Three Phase - Two Speed - TEFC, Rigid Base

1 thru 25 Hp

NEMA 56 thru 324T

Applications: Fans, blowers, machine tools, hoists, conveyors, pumps.

Features: Lifting eye bolt mounted at top center 215T frame and larger for easy handling, copper windings, dynamically balanced rotors.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Volt Code
1725/850 RPM, Constant Torque, One Winding, Low Voltage									
1-0.5	1725/850	143T	M1504T	◆	790	L1	3524M	13.31	39 D
1.5-0.75	1725/850	145T	M1505T	†◆	834	L1	3535M	14.19	46 C
2-1	1725/850	184T	M1506T	◆	1013	L1	3628M	16.54	65 D
3-1.5	1725/850	184T	M1507T	†*	1148	L1	3640M	18.04	85 C
5-2.5	1725/850	215T	M1508T	◆	1500	L1	3735M	17.89	113 D
7.5-3.8	1725/850	215T	M1509T	†◆	1953	L1	3744M	19.01	132 C
10-5	1760/870	254T	M1510T	†◆	3009	L1	0948M	23.16	271 C
1725/850 RPM, Constant Torque, One Winding, High Voltage									
1-0.5	1725/850	143T	M1704T	◆	790	L1	3524M	13.31	39 G
1.5-0.75	1725/850	145T	M1705T	†◆	834	L1	3535M	14.19	48 G
2-1	1725/850	184T	M1706T	◆	1013	L1	3628M	16.54	65 G
3-1.5	1725/850	184T	M1707T	†*	1148	L1	3640M	18.04	84 G
5-2.5	1725/850	215T	M1708T	◆	1500	L1	3735M	17.89	115 G
7.5-3.8	1725/850	215T	M1709T	†◆	1953	L1	3744M	19.01	131 G
10-5	1760/870	254T	M1710T	†◆	3009	L1	0940M	23.16	275 G
15-7.5	1760/875	256T	M1711T	†◆	3485	L1	0944M	23.16	265 G
20-10	1760/870	284T	M1712T	†◆	4428	L1	1046M	27.76	381 G
25-13	1760/870	286T	M1713T	†◆	5377	L1	1048M	27.76	396 G
1725/850 RPM, Variable Torque, One Winding, Low Voltage									
1-0.25	1725/850	143T	M1554T	◆	556	L1	3520M	12.31	34 D
1.5-0.38	1725/850	145T	M1555T		579	L1	3528M	13.31	41 D
2-0.5	1725/850	145T	M1556T	◆	672	L1	3528M	13.31	42 D
3-0.75	1725/850	184T	M1557T		723	L1	3628M	16.54	65 D
5-1.3	1725/850	184T	M1558T	†◆	920	L1	3640M	18.04	83 D
7.5-1.9	1725/850	215T	M1559T	†◆	1309	L1	3740M	19.01	125 C
1725/850 RPM, Variable Torque, One Winding, High Voltage									
1-0.25	1725/850	143T	M1754T	†*	556	L1	3520M	12.31	32 G
1.5-0.38	1725/850	145T	M1755T		579	L1	3528M	13.31	42 G
2-0.5	1725/850	145T	M1756T	◆	672	L1	3535M	14.19	49 G
3-0.75	1725/850	184T	M1757T		723	L1	3628M	16.54	66 G
5-1.3	1725/850	184T	M1758T	†◆	920	L1	3640M	18.04	84 G
7.5-1.9	1725/850	215T	M1759T	†◆	1296	L1	3740M	19.01	125 G
10-2.5	1725/850	215T	M1760T	◆††	1527	L1	3756M	20.52	160 G
15-3.75	1760/880	254T	M1761T	†◆	2111	L1	0934M	23.16	248 G
20-5	1760/870	284T	M1762T	†◆	2497	L1	1034M	27.76	337 G
25-6.3	1760/870	286T	M1763T	†◆	2897	L1	1040M	27.76	356 G

NOTE: Voltage @ 60 Hz: C = 230, D = 208-230, G = 460 volts.
See notes on pages 8 and 9, and inside back flap.

SHADED RATINGS ARE CAST IRON FRAMES

Three Phase - Two Speed - TEFC, Rigid Base continued...

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Volt Code
1725/1140 RPM, Variable Torque, Two Windings, Low Voltage									
0.75-0.33	1725/1140	56	M1519	615	K	3524M	13.23	37	C
1-0.44	1725/1140	145T	M1520T	642	L1	3528M	13.31	42	D
1.5-0.67	1725/1140	182T	M1521T	794	L1	3623M	15.17	59	D
2-0.89	1725/1140	182T	M1522T	910	L1	3628M	16.54	67	D
3-1.3	1725/1140	184T	M1523T	1066	L1	3634M	16.54	74	D
5-2.2	1725/1140	215T	M1524T	1670	L1	3735M	17.89	117	C
1725/1140 RPM, Variable Torque, Two Windings, High Voltage									
0.5-0.22	1725/1140	56	M1718	572	K	3520M	12.23	33	G
0.75-0.33	1725/1140	56	M1719	634	K	3524M	13.23	38	G
1-0.44	1725/1140	145T	M1720T	642	L1	3528M	13.31	42	G
1.5-0.67	1725/1140	182T	M1721T	794	L1	3623M	15.17	58	G
2-0.89	1725/1140	182T	M1722T	910	L1	3628M	16.54	66	G
3-1.3	1725/1140	184T	M1723T	1066	L1	3634M	16.54	73	G
5-2.2	1725/1140	215T	M1724T	1670	L1	3735M	17.89	116	G
7.5 -3.3	1760/1160	254T	M1725T	2160	L1	0928M	23.16	219	G
10 - 4.4	1760/1170	254T	M1726T	2486	L1	0750M	21.07	233	G
15-6.7	1760/1160	284T	M1727T	2950	L1	1036M	27.76	349	G
20-8.9	1760/1160	286T	M1728T	4001	L1	1046M	27.76	380	G
25-11	1760/1160	324T	M1729T	4216	L1	1240M	30.28	510	G

NOTE: Voltage @ 60 Hz: C = 230, D = 208-230, G = 460 volts.
See notes on pages 8 and 9, and inside back flap.

SHADED RATINGS ARE CAST IRON FRAMES

HVAC Motors

Farm Duty
Motors

Definite Purpose
Motors

Brake Motors

200 & 575 Volt
Motors

IEC Frame
Motors

50 Hertz
Motors

Inverter/Vector
Motors & Controls

DC Motors
and Controls

Soft Start &
Dynamic Brakes

Three Phase - Two Speed - ODP, Rigid Base

1/2 thru 25 Hp

NEMA 56 thru 286T

Applications: Fans, blowers, and pumps.

Features: Lifting eye bolt mounted at top center 215T frame and larger for easy handling, copper windings, dynamically balanced rotors.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Volt Code
1725/850 RPM, Variable Torque, One Winding, Low Voltage									
1-0.25	1725/850	143T	M1004T	530	L1	3520M	11.12	33	D
1.5-0.38	1725/850	145T	M1005T	550	L1	3524M	12.13	38	D
2-0.5	1725/850	145T	M1006T	637	L1	3528M	12.13	40	C
3-0.75	1725/850	184T	M1007T	684	L1	3623M	13.62	56	D
5-1.3	1725/850	184T	M1008T	†*	L1	3634M	15.00	72	C
7.5-1.9	1725/850	215T	M1009T	1176	L1	3735M	16.32	111	C
10-2.5	1725/850	215T	M1010T	†*	L1	3744M	17.45	131	D
1725/850 RPM, Variable Torque, One Winding, High Voltage									
1-0.25	1725/850	143T	M1204T	530	L1	3520M	11.12	33	G
1.5-0.38	1725/850	145T	M1205T	550	L1	3524M	12.13	38	G
2-0.5	1725/850	145T	M1206T	637	L1	3528M	12.13	41	G
3-0.75	1725/850	184T	M1207T	684	L1	3623M	13.62	57	G
5-1.3	1725/850	184T	M1208T	†*	L1	3634M	15.00	72	G
7.5-1.9	1725/850	215T	M1209T	1176	L1	3735M	16.32	112	G
10-2.5	1725/850	215T	M1210T	†*	L1	3744M	17.45	130	G
15-3.8	1760/870	254T	M1211T	†*	L1	3948M	21.69	234	G
20-5	1760/870	256T	M1212T	†*	L1	3936M	21.69	232	G
25-6.3	1760/870	284T	M1213T	2695	L1	4044M	23.81	312	G
1725/1140 RPM, Variable Torque, Two Windings, Low Voltage									
0.75-0.33	1725/1140	56	M1019	569	K	3524M	12.07	37	C
1-0.44	1725/1140	145T	M1020T	613	L1	3528M	12.13	39	C
1.5-0.67	1725/1140	182T	M1021T	743	L1	3623M	13.62	56	D
2-0.89	1725/1140	182T	M1022T	848	L1	3628M	15.00	65	C
3-1.3	1725/1140	184T	M1023T	988	L1	3634M	15.00	72	C
5-2.2	1725/1140	215T	M1024T	†♦	L1	3735M	16.32	113	C
7.5-3.3	1760/1160	256T	M1025T	2022	L1	3940M	21.69	211	C
1725/1140 RPM, Variable Torque, Two Windings, High Voltage									
0.5-0.22	1725/1140	56	M1218	542	K	3520M	11.07	33	G
0.75-0.33	1725/1140	56	M1219	569	K	3524M	12.07	34	G
1-0.44	1725/1140	145T	M1220T	613	L1	3528M	12.13	39	G
1.5-0.67	1725/1140	182T	M1221T	743	L1	3623M	13.62	56	G
2-0.89	1725/1140	182T	M1222T	848	L1	3628M	15.00	64	G
3-1.3	1725/1140	184T	M1223T	988	L1	3634M	15.00	72	G
5-2.2	1725/1140	215T	M1224T	†♦	L1	3735M	16.32	113	G
7.5-3.3	1760/1160	256T	M1225T	2022	L1	3940M	21.69	209	G
10-4.4	1760/1160	256T	M1226T	†*	L1	3948M	23.19	237	G
15-6.7	1760/1160	284T	M1227T	2772	L1	4044M	23.81	318	G
20-8.9	1760/1160	286T	M1228T	3719	L1	4050M	25.06	348	G
25-11	1760/1160	286T	M1229T	3993	L1	4050M	25.06	349	G

NOTE: Voltage @ 60 Hz: C = 230, D = 208-230, G = 460 volts.
See notes on pages 8 and 9, and inside back flap.

Single Phase - Pressure Washer - TEFC and ODP

1 1/2 thru 5 Hp

NEMA 56 thru 184TC

Applications: Pressure washers, steam cleaners, portable and self contained stationary system for direct drive mount and doubled mount designs.

Features: Ball bearing design. 1 1/2 horsepower ratings are rated at 14 amps or less on 115 volts. Manual thermal overload located in the conduit box. U.L. and CSA recognized component approval. 200°C copper windings.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
Totally Enclosed Fan Cooled, Rigid Base											
1 1/2	3450	56	PL3513M	442	K	3520LC	13.25	38	75.5	B	6.6
1 1/2	1725	56	PL3514M	587	K	3535LC	14.12	50	82.5	B	6.0
2	3450	56	PL3515M	†*	K	3524LC	13.25	42	77.0	B	8.8
2	1725	56HZ	L3516TM	†*	K	3535LC	14.18	51	78.0	C	8.3
3	3450	56	PL3519M	†*	K	3532LC	14.12	50	85.5	D1	12.5
3	1725	184T	L3609TM	†♦	L1	3634LC	16.54	79	78.0	B	14.5
5	3450	184T	L3608TM	†♦	L1	3640LC	18.05	89	83.0	C	19.5
5	1725	184T	L3612TM	†♦	L1	3646LC	18.05	99	80.0	C	23.0
Totally Enclosed Fan Cooled, Rigid Base with C-Face											
1 1/2	3450	56C	PCL3513M	473	K	3520LC	13.25	38	75.5	B	6.6
1 1/2	1725	56C	PCL3514M	618	K	3535LC	14.12	50	82.5	B	6.0
2	3450	56C	PCL3515M	†*	K	3524LC	13.24	43	77.0	B	8.8
2	1725	145TC	CL3516TM	†*	L1	3535LC	14.19	49	78.0	C	8.3
3	3450	56C	PCL3519M	†*	K	3532LC	14.12	52	85.5	D1	12.5
3	1725	184TC	CL3619TM	†♦	L1	3634LC	16.54	84	81.5	C	13.2
5	3450	184TC	CL3608TM	†♦	L1	3640LC	18.05	91	83.0	C	19.5
5	1725	184TC	CL3612TM	†♦	L1	3646LC	18.05	101	80.0	C	23.0
Open Drip Proof, Rigid Base											
1 1/2	3450	56/56H	PL1313M	384	K	3520LC	11.75	37	75.5	B	6.6
1 1/2	1725	56	PL1319M	510	K	3528LC	12.06	42	74.0	B	7.0
2	3450	56	PL1317M	501	K	3524LC	12.06	41	77.0	B	8.8
2	1725	56	PL1322M	534	K	3532LC	12.94	46	78.5	B	9.2
3	3450	56	PL1326M	553	K	3532LC	12.94	48	85.5	D1	12.5
3	1725	184T	L1408TM	668	L1	3634LC	15.00	78	78.0	B	16.0
5	3450	56/56H	PL1327M	†♦	K	3535LC	13.81	57	74.2	D1	23.0
5	1725	184T	L1410TM	†*	L1	3640LC	16.50	87	82.5	D1	23.0
Open Drip Proof, Rigid Base with C-Face											
1 1/2	3450	56C	PCL1313M	417	K	3520LC	12.06	38	75.5	B	6.6
1 1/2	1725	56C	PCL1319M	534	K	3528LC	12.06	43	74.0	B	7.0
2	3450	56C	PCL1317M	534	K	3524LC	12.06	42	77.0	B	8.8
2	1725	56C	PCL1322M	554	K	3532LC	12.94	48	78.5	B	9.2
3	3450	56C	PCL1326M	586	K	3532LC	12.94	50	85.5	D1	12.5
3	1725	184TC	CL1408TM	706	L1	3634LC	15.00	81	78.0	B	16.0
5	3450	56HCY	PCL1327M	†♦	K	3535LC	14.11	58	74.2	D1	23.0
5	1725	184TC	CL1410TM	†*	L1	3640LC	16.50	88	82.5	D1	23.0

NOTE: Voltage @ 60 Hz: B = 115/230, C = 230, D1 = 230 volts usable at 208 volts. See notes on pages 8 and 9, and inside back flap. Baldor 56H frames will also mount as 56, 143T & 145T frames with NEMA 56 shaft dimensions. Baldor 56HZ will also mount as 56, 143T & 145T frames with NEMA 143T-145T shaft dimensions. Baldor 56HCY has non-NEMA BA dimension.

Three Phase - Metering Pump - TEFC, Rigid Base



1/3 Hp

NEMA 48

Applications: Metering pump systems primarily used to inject chemicals into irrigation distribution systems.

Features: TEFC industrial quality. Designed with conduit box at 12 o'clock position to facilitate mounting on existing chemical injection pumps. Epoxy paint. Designed for use at 230/460 volts 60hz or 190/380 volts 50hz.

Hp	RPM 60/50 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Volt Code
190/380//230/460 VAC, 50/60 Hz.									
1/3	1725/1425	48	MPM3458	271	K	3413M	10.72	20	U

NOTE: Voltage @ 60/50 Hz: K = 220/380/440 volts. U = 230/460//190/380. See notes on pages 8 and 9, and inside back flap.

Three Phase - Arbor Saw - TEFC, Rigid Base



7 1/2 thru 15 Hp

Applications: Heavy duty circular saw applications. Machine tools.

Features: Low profile for maximum blade cutting depth. Supplied with keyway and unthreaded shaft suitable for right or left threading. (See "Mod Express" Section for custom threading.) Double row ball bearings for maximum shaft stability in precision woodworking applications.

Hp	RPM 60 Hz.	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Volt Code
7 1/2	3450	ASM6207	2137	L1	6246M	16.73	102	F
10	3450	ASM6210	2284	L1	6246M	16.73	101	E
10	3450	ASM7510	2662	L1	7535M	13.45	134	F
15	3450	ASM6215	2662	L1	6260M	18.48	117	E
15	3450	ASM7515	2872	L1	7544M	14.45	151	E

NOTE: Voltage @ 60 Hz: E = 208-230/460 volts, F = 230/460. See notes on pages 8 and 9, and inside back flap.

Single Phase - Woodworking - TEFC



1 thru 3 Hp

NEMA 48Z thru 184YZ

Applications: Woodworking equipment such as table saws, planers, etc.

Features: Motor swivels on rod for belt tensioning. "Shaft supplied with full key and keyway. Extra high breakdown torques for maximum cutting power.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
1	3450	48Z	WWL3509 *	345	K	3428L	13.35	33	65.0	B	6.3
2	3450	145TYZ	WWL3515T	564	L1	3535LC	13.56	56	70.0	B	12.0
3	3450	184YZ	WWL3606	721	L1	3634L	14.89	74	72.0	C	15.5

NOTE: Voltage @ 60 Hz: B = 115/230, C = 230. See notes on pages 8 and 9, and inside back flap.

* WWL3509 is NEMA 48 base mount, not swivel mount.

Three Phase - Chiller/Cooling Tower - TEAO

5 thru 75 Hp

NEMA 184T thru 365T

Applications: For use in the airstream on chillers and cooling towers.

Features: 1.15 Service Factor, corrosion resistant epoxy finish, double sealed bearings filled with moisture resistant grease, shaft seal/slinger, Class F insulation, moisture resistant copper windings, double dipped and baked, stainless steel nameplates and corrosion resistant hardware. Designed for wet, high humidity environments. "ECTM" model Super-E® motors have NEMA Premium® efficiency and 3 year warranty. Direct replacement for most OEM applications.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	Minimum Air Velocity (FPM)
5	1750	184T	ECTM3665T	†*	841	L1	0640M	114	90.2	E1	6.5	1200
5	1750	184T	CTM3665T	†*	763	L1	0638M	104	87.5	E	6.7	1200
5	1160	215T	ECTM3768T	†*	1336	L1	0744M	193	89.5	E1	8.0	1200
5	1160	215T	CTM3768T	†*	1159	L1	0735M	178	87.5	E	8.1	1200
7 1/2	1770	213T	ECTM3770T	†*	1122	L1	0735M	176	91.7	E1	9.5	1500
7 1/2	1760	213T	CTM3770T	†*	1018	L1	0728M	173	89.5	E	9.8	1500
7 1/2	1180	254T	ECTM2276T	†*	1903	L1	0954M	298	91.7	E1	10.7	1500
7 1/2	1160	254T	CTM2276T	†*	1414	L1	0756M	247	89.5	E	10.9	1500
10	1760	215T	ECTM3774T	†*	1506	L1	0748M	204	92.4	E1	12.5	1500
10	1760	215T	CTM3774T	†*	1299	L1	0733M	178	89.5	E	13.0	1500
10	1180	256T	ECTM2332T	†*	2174	L1	0960M	282	91.7	E1	14.2	1500
10	1175	256T	CTM2332T	†*	1574	L1	0946M	269	89.5	E1	14.4	1500
15	1765	254T	ECTM2333T	†*	2000	L1	0936M	255	92.4	E1	18.5	1500
15	1760	254T	CTM2333T	†*	1726	L1	0756M	236	91.0	F	18.5	1500
15	1180	284T	ECTM4100T	†*	2899	L1	1050M	421	92.4	E1	19.5	1500
15	1175	284T	CTM4100T	†*	2511	L1	1034M	361	90.2	E1	21.0	1500
20	1765	256T	ECTM2334T	†*	2230	L1	0952M	286	93.0	E1	24.0	1500
20	1760	256T	CTM2334T	†*	1925	L1	0938M	257	91.0	E1	24.0	1500
20	1180	286T	ECTM4102T	†*	3861	L1	1050M	451	92.4	E1	26.0	1500
20	1175	286T	CTM4102T	†*	3034	L1	1040M	350	90.2	E1	27.0	1500
25	1770	284T	ECTM4103T	†*	2746	L1	1046M	417	93.6	E1	30.0	1500
25	1760	284T	CTM4103T	†*	2334	L1	0956M	322	92.4	E1	29.0	1500
25	1180	324T	ECTM4111T	†*	4369	L1	1248M	560	93.0	F	32.0	1500
25	1175	324T	CTM4111T	†*	3660	L1	1060M	451	91.7	E1	33.0	1500
30	1770	286T	ECTM4104T	†*	3259	L1	1060M	492	94.1	E1	36.0	1500
30	1760	286T	CTM4104T	†*	2801	L1	0964M	321	92.4	E1	36.0	1500
30	1180	326T	ECTM4117T	†*	5048	L1	1260M	572	93.0	E1	39.0	1500
30	1175	326T	CTM4117T	†*	4440	L1	1066M	579	91.7	E1	39.0	1500
40	1775	324T	ECTM4110T	†*	4262	L1	1260M	578	94.5	E1	46.0	2000
40	1775	324T	CTM4110T	†*	3727	L1	1248M	537	93.0	E1	47.0	2000
40	1185	364T	ECTM4308T	†*	6290	L1	1468M	807	94.1	F	50.5	2000
40	1185	364T	CTM4308T	†*	4919	L1	1464M	746	93.0	E1	49.0	2000
50	1775	326T	ECTM4115T	†*	5097	L1	1266M	634	94.5	E1	57.0	2000
50	1760	326T	CTM4115T	†*	4399	L1	1080M	575	93.0	E1	60.0	2000
50	1185	365T	ECTM4312T	†*	7601	L1	1474M	831	94.1	E1	61.0	2000
50	1180	365T	CTM4312T	†*	6243	L1	1456M	772	93.0	E1	61.0	2000
60	1780	364T	ECTM4314T	†*	6704	L1	1462M	782	95.0	E1	69.0	2000
60	1775	364T	CTM4314T	†*	5954	L1	1454M	774	93.6	E1	71.0	2000
60	1185	404T	ECTM4403T	†*	9042	L1	1672M	1045	94.5	F	72.5	2000
60	1180	404T	CTM4403T	†*	7724	L1	1484M	1038	93.6	F	72.0	2000
75	1780	365T	ECTM4316T	†*	7839	L1	1482M	832	95.4	E1	86.5	2000
75	1775	365T	CTM4316T	†*	7158	L1	1476M	847	94.1	E1	87.0	2000

NOTE: Voltage @ 60 Hz: E = 208-230/460 volts, E1 = 230/460, usable at 208 volts, F = 230/460 volts.
See notes on pages 8 and 9, and inside back flap.

SHADED RATINGS ARE CAST IRON FRAMES

Single and Three Phase - Pre-1952 NEMA - Rigid Base



1/2 thru 5 Hp

NEMA 66 thru 254

Applications: Applications requiring pre-1952 NEMA frame dimensions.

Features: Heavy gauge seam welded base, ball bearings, copper windings.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
Totally Enclosed Fan Cooled, Single Phase											
1/2	1725	66	L3576M	476	K	3520L	13.62	36	64.0	B	4.0
3/4	1725	66	L3565M	566	K	3524L	13.62	41	66.0	B	5.3
1	1725	66	L3566M	615	K	3524L	13.62	40	67.0	B1	6.5
1 1/2	1725	66	L3567M	746	K	3532LC	14.50	53	75.5	B	8.0
Totally Enclosed Fan Cooled, Three Phase											
1/2	1725	66	M3564	459	K	3513M	13.62	30	74.0	E1	1.2
3/4	1725	66	M3565	482	K	3513M	13.62	31	72.0	E1	1.5
1	1725	66	M3566	506	K	3516M	13.62	33	77.0	E	1.7
1 1/2	1725	66	M3567	531	K	3520M	13.62	37	78.5	E	2.5
Open Drip Proof, Single Phase											
1	1725	203	L1413	869	L1	3617L	14.37	55	70.0	B1	7.0
1 1/2	1725	204	L1414	1016	L1	3623L	14.37	59	68.0	B1	9.5
Open Drip Proof, Three Phase											
1	1725	203	M3233	752	L1	3614M	14.38	50	77.0	E	1.6
1 1/2	1725	204	M3234	797	L1	3617M	14.38	53	81.5	E	2.4
2	1725	224	M3324	1073	L1	3717M	16.32	80	79.0	E	3.3
3	1725	225	M3325	1106	L1	3717M	16.32	81	80.0	E	4.5
5	1725	254	M3326	1349	L1	3720M	18.32	94	84.0	E	6.8

NOTE: Voltage @ 60 Hz: B = 115/230, B1 = 115/230 usable at 208 volts, E1 = 230/460 usable at 208 volts, E = 208-230/460 volts.
See notes on pages 8 and 9, and inside back flap.

Three Phase - Continuous Duty - SAE Hydraulic Pump Motors



1 thru 10 Hp

NEMA 56YZ thru 215TYZ

Applications: Hydraulic pumps for lifts, trash compactors and other machinery

Features: TEFC motors designed for continuous duty (may be used on intermittent duty applications). Base mount with SAE A or B pump mount face and shaft . F3 top-mounted conduit box.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Volt Code
1	3450	56YZ	HPM3545	434	K	3513M	10.45	35	E
1 1/2	3450	143TYZ	HPM3550T	466	L1	3520M	11.45	39	E
2	3450	145TYZ	HPM3555T	503	L1	3526M	11.45	45	E
3	1750	182TYZ	HPM3611T	531	L1	3546M	13.70	70	E
5	1750	182TYZ	HPM3615T	587	L1	3633M	13.50	83	E
7 1/2	1760	213TYZ	HPM3710T	755	L1	3730M	14.66	133	E
10	1760	215TYZ	HPM3714T	891	L1	3738M	15.79	145	E

NOTE: Voltage @ 60 Hz: E = 208-230/460 volts. See notes on pages 8 and 9, and inside back flap.

Three Phase - F-2 Mount - TEFC and ODP, Rigid Base

1 thru 60 Hp

NEMA 56 thru 364T

Applications: Pumps, Compressors, Fans, Conveyors, Machine Tools and other applications requiring three phase F-2 mounted motors.

Features: Copper windings, ball bearings, heavy gauge steel frame with base seam welded. EFM Super-E motors have NEMA Premium® efficiency and 3 year warranty.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
Totally Enclosed Fan Cooled											
2	1740	145T	FM3558T	359	L1	3528M	13.31	45	84.0	E	2.8
3	1750	182T	FM3611T	†*	L1	3628M	16.55	70	87.5	E	4.1
5	1750	184T	FM3615T	†*	L1	3633M	16.56	78	87.5	E	7.1
7 1/2	1760	213T	FM3710T	†*	L1	3730M	17.89	125	89.5	E	9.8
10	1760	215T	FM3714T	†*	L1	3738M	19.01	138	89.5	E	12.8
15	1765	254T	EFM2333T	†*	L1	0936M	23.16	255	92.4	E1	18.5
20	1765	256T	EFM2334T	†*	L1	0948M	23.16	286	93.0	E1	24.0
25	1770	284T	EFM4103T	†*	L1	1046M	27.76	415	93.6	E1	30.0
30	1770	286T	EFM4104T	†*	L1	1060M	27.76	416	94.1	E1	36.0
Open Drip Proof											
1	1740	145T	EFM3116T	†*	L1	3520M	11.12	36	85.5	E	1.4
1 1/2	1740	145T	EFM3154T	†*	L1	3526M	12.12	41	86.5	E	2.1
2	1725	145T	EFM3157T	†*	L1	3532M	13.00	49	86.5	E	2.7
3	1760	182T	EFM3211T	†*	L1	3634M	15.00	70	90.2	E	4.0
3	1725	182T	FM3211T	†*	L1	3540M	15.38	63	86.5	E	4.0
5	1750	184T	EFM3218T	†*	L1	3639M	16.50	86	90.2	E1	6.6
5	1750	184T	FM3218T		L1	3628M	15.00	70	87.5	E	6.9
7 1/2	1760	213T	EFM3311T	†*	L1	3732M	16.32	118	91.7	E1	9.7
7 1/2	1750	213T	FM3311T		L1	3643M	17.00	112	88.5	E	10.0
10	1770	215T	EFM3313T	†*	L1	3739M	17.45	148	91.7	E1	12.5
10	1760	215T	FM3313T		L1	3731M	16.32	129	89.5	E	13.0
15	1765	254T	EFM2513T	†*	L1	3938M	21.69	234	93.0	E1	17.7
15	1760	254T	FM2513T	†*	L1	3748M	19.75	170	91.0	E	19.0
20	1765	256T	EFM2515T	†*	L1	3944M	21.69	237	93.0	E1	23.5
20	1760	256T	FM2515T		L1	3936M	21.69	220	91.0	E1	25.0
25	1770	284T	EFM2531T	†*	L1	4046M	23.81	332	94.1	E1	30.0
25	1760	284T	FM2531T		L1	3942M	23.44	226	91.7	E1	31.0
30	1770	286T	EFM2535T	†*	L1	4052M	25.06	372	94.1	E1	35.0
30	1760	286T	FM2535T		L1	3952M	24.94	248	92.4	E1	36.0
40	1775	324T	EFM2539T	†*	L1	4250M	26.69	477	94.5	E1	46.0
40	1770	324T	FM2539T		L1	4052M	26.19	378	93.0	E1	49.0
50	1775	326T	EFM2543T	†*	L1	4256M	27.69	472	94.5	E1	57.0
50	1765	326T	FM2543T		L1	4060M	27.19	371	93.0	E1	62.0
60	1775	364T	EFM2547T	†*	L1	4278M	30.69	782	95.0	E1	68.0

NOTE: Voltage @ 60 Hz: E1= 230/460 usable at 208 volts, E = 208-230/460 volts.
See notes on pages 8 and 9, and inside back flap.

SHADED RATINGS ARE CAST IRON FRAMES

Three Phase - Automotive Approved - TEFC, Rigid Base

1 thru 100 Hp

NEMA 182 thru 445U



Applications: Pumps, compressors, fans, conveyors, machine tools and other applications where automotive approved motors are required.

AM Features: Approved by major US automobile manufacturers. Meets efficiency times power factor requirements per GM7EQ. All cast iron construction, regreasable double shield ball bearings, shaft slinger on both ends of motor, stainless steel nameplate, epoxy paint. Suitable for 65°C ambient 1.00 Service Factor or 1.15 Service Factor, 40°C ambient. Meets automotive requirements for sound power levels.

AEM Motor Features: Approved by major US automobile manufacturers. Meets efficiency times power factor requirements per GM7EQ. All cast iron construction, regreasable double shield ball bearings, shaft slinger on both ends of motor, stainless steel nameplate, epoxy paint. Suitable for 65°C ambient 1.00 Service Factor or 1.15 Service Factor, 40°C ambient. Meets automotive requirements for sound power levels. Meets GM for minimum efficiency times power factor requirements per GM7EHQ.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number		List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
1	1725	182	AM3683-4	†♦	538	L1	0614M	14.74	72	82.5	G	1.5
1	1750	182	AEM3683-4	†♦□	704	L1	0617M	13.18	78	84.0	G	1.5
1	1140	184	AM3684-4	†♦	588	L1	0620M	14.74	81	80.0	G	1.7
1	1140	184	AEM3684-4	†♦	889	L1	0628M	14.74	88	80.5	G	1.7
1 1/2	1725	184	AM3686-4	†♦	588	L1	0617M	14.74	79	81.5	G	2.2
1 1/2	1750	184	AEM3686-4	†♦	756	L1	0623M	14.74	86	85.0	G	2.2
1 1/2	1140	184	AM3687-4	†♦	677	L1	0628M	14.74	91	81.5	G	2.5
1 1/2	1140	184	AEM3687-4	†♦	983	L1	0634M	14.74	98	84.0	G	2.5
2	1725	184	AM3689-4	†♦	616	L1	0623M	14.74	86	80.0	G	2.8
2	1750	184	AEM3689-4	†♦	806	L1	0628M	14.74	95	86.0	G	2.9
2	1140	213	AM3782-4	†♦	795	L1	0726M	18.07	165	82.5	G	3.0
2	1140	213	AEM3782-4	†♦	1097	L1	0726M	18.07	152	83.5	G	3.2
3	1750	213	AM3783-4	†♦	721	L1	0723M	18.07	157	87.5	G	3.9
3	1760	213	AEM3783-4	†♦	930	L1	0729M	18.07	155	87.5	G	3.9
3	1140	215	AM3784-4	†♦	931	L1	0740M	18.07	167	81.5	G	4.3
3	1160	215	AEM3784-4	†♦	1337	L1	0740M	18.07	171	86.5	G	4.4
5	1750	215	AM3787-4	†♦	891	L1	0729M	18.07	153	86.5	G	6.5
5	1750	215	AEM3787-4	†♦	1218	L1	0735M	18.07	166	87.5	G	6.4
5	1170	254U	AM2275-4	†♦	1439	L1	0932M	22.91	239	86.5	G	7.0
5	1160	254U	AEM2275-4	†♦	1854	L1	0752M	20.81	235	88.5	G	7.1
7 1/2	1760	254U	AEM2237-4	†♦	1634	L1	0924M	22.91	224	89.5	G	9.2
7 1/2	1175	256U	AM2276-4	†♦	1826	L1	0940M	22.91	270	89.5	G	10.8
7 1/2	1180	256U	AEM2276-4	†♦	2363	L1	0954M	22.91	254	90.2	G	10.6
10	1760	256U	AEM2238-4	†♦	1976	L1	0932M	22.91	243	90.2	G	12.0
10	1160	284U	AM2332-4	†♦	2299	L1	1040M	27.81	380	88.5	G	13.0
10	1160	284U	AEM2332-4	†♦	2900	L1	1040M	27.81	382	88.5	G	13.0
15	1765	284U	AEM2333-4	†♦	2747	L1	0942M	26.22	358	92.4	G	18.0
15	1160	324U	AEM4100-4	†♦	3886	L1	1236M	30.66	491	89.5	G	19.0
20	1760	286U	AEM2334-4	†♦	3313	L1	1044M	27.81	407	90.2	G	24.5
20	1160	326U	AEM4102-4	†♦	4877	L1	1240M	30.66	513	89.0	G	25.0
25	1775	324U	AEM4103-4	†♦	4223	L1	1246M	30.66	542	92.4	G	29.5
25	1180	364U	AEM4111-4	†♦	5232	L1	1450M	33.35	734	91.7	G	30.0

NOTE: Voltage @ 60 Hz: G = 460. See notes on pages 8 and 9, and inside back flap.

SHADED RATINGS ARE CAST IRON FRAMES

HVAC Motors

Farm Duty
Motors

Definite Purpose
Motors

Brake Motors

200 & 575 Volt
Motors

IEC Frame
Motors

50 Hertz
Motors

Inverter/Vector
Motors & Controls

DC Motors
and Controls

Soft Start &
Dynamic Brakes

Three Phase - Automotive Approved - TEFC, Rigid Base continued...

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number		List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
30	1775	326U	AEM4104-4	†♦	4771	L1	1250M	30.66	562	92.4	G	35.0
30	1180	365U	AEM4117-4	†♦	6069	L1	1458M	33.35	765	91.7	G	36.0
40	1780	364U	AEM4307-4	†♦	5669	L1	1448M	33.35	709	93.6	G	46.0
40	1180	404U	AEM4308-4	†♦	7565	D3	1650M	36.76	983	92.5	G	46.0
50	1780	365U	AEM4311-4	†♦	6827	L1	1458M	33.35	778	93.6	G	58.0
50	1180	404U	AEM4312-4	†♦	9028	D3	1652M	37.91	987	93.0	G	57.0
60	1780	405U	AEM4314-4	†♦	8176	D3	1654M	36.76	1004	92.5	G	68.0
60	1180	444U	AEM4403-4	†♦	10563	D3	1856M	44.37	1328	93.0	G	71.0
75	1780	444U	AEM4316-4	♦††	10217	D3	1880M	44.37	1327	94.5	G	85.0
75	1180	445U	AM4404-4	†♦	10406	D3	1864M	44.37	1604	93.0	G	86.0
75	1180	445U	AEM4404-4	†♦	14306	D3	1868M	44.37	1449	94.1	G	88.0
100	1780	445U	AEM4400-4	†♦	11287	D3	1864M	44.37	1459	93.0	G	116.0

NOTE: Voltage @ 60 Hz: G = 460. See notes on pages 8 and 9, and inside back flap.

SHADED RATINGS ARE CAST IRON FRAMES

Three Phase - Automotive - TENV, C-Face with Base

1/4 thru 1 Hp

NEMA 56C

Applications: Automotive approved motors for pumps, compressors, fans, conveyors, machine tools and other applications.

Features: Double shield ball bearings, stainless steel nameplate, epoxy paint. Suitable for 65°C ambient 1.00 Service Factor or 1.15 Service Factor, 40°C ambient.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	“C” Dimension	Ap’x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	
1/4	1725	56C	CAM3454	†♦□	290	K	3513M	11.07	27	71.0	F	0.5
1/3	1725	56C	CAM3534	†♦□	328	K	3513M	11.07	38	76.0	E	0.6
1/2	3450	56C	CAM3537	†♦□	349	K	3513M	11.07	28	70.0	E	0.9
1/2	1725	56C	CAM3538	†♦□	399	K	3516M	11.07	30	75.5	E	0.8
3/4	3450	56C	CAM3541	†♦□	384	K	3516M	11.07	31	80.0	E	1.1
3/4	1725	56C	CAM3542	†♦□	432	K	3520M	11.07	34	80.0	E	1.1
1	3450	56C	CAM3545	†♦□	452	K	3520M	11.07	36	80.0	E	1.4

NOTE: Voltage @ 60 Hz: F = 230/460, E = 208-230/460. See notes on pages 8 and 9, and inside back flap.

Three Phase - Oil Field Pump - Design D, High Slip, Rigid Base, TEFC & ODP



3 thru 150 Hp

NEMA 213T thru 447T

Applications: Beam pumping units, punch presses and applications requiring high torque and high slip.

Features: Two-part epoxy paint, moisture-resistant insulation, rodent screens, shaft slinger, F-2 position conduit box. TEFC motors have severe duty features.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps 460V
Totally Enclosed Fan Cooled - 230/460/796 Twelve Lead and 460/796 Six Lead											
3	1125	213T	OF3764T	†*	1616	L1	0729M	19.32	225	79.0	5.2
5	1125	215T	OF3768T	†*	1790	L1	0750M	19.32	196	80.0	7.6
7 1/2	1125	254T	OF2276T	†*	2184	L1	0932M	23.25	249	84.0	12.5
10	1125	256T	OF2332T	†*	2432	L1	0942M	23.25	280	84.0	15.5
15	1125	284T	OF4100T	†*	3880	L1	1040M	27.56	372	85.5	20.7
20	1125	286T	OF4102T	†*	4688	L1	1056M	27.56	437	87.5	26.0
25	1125	324T	OF4111T	†*	5657	L1	1250M	30.27	579	87.5	33.0
30	1125	326T	OF4117T	†*	6860	L1	1262M	30.27	630	87.5	39.0
40	1125	365T	OF4308T	†*	7602	L1	1466M	32.84	734	88.5	51.0
50	1125	404T	OF4312T	†*	9649	D3	1664M	38.03	1218	87.5	60.0
60	1125	405T	OF4403T	†*	11935	D3	1680M	38.03	1196	88.5	73.0
75	1125	444T	OF4404T	†*	12944	D3	1884M	44.24	1495	88.5	88.0
100	1130	445T	OF4409T	†*	16827	D3	18116M	47.74	1837	90.2	116.0
125	1140	447T	OF4411T	†*	21600	D3	18140M	52.68	2465	91.0	150.0
150	1140	447T	OF44156T	†*	25515	D3	18180M	52.68	2812	91.0	178.0
Drip Proof with Screens - 230/460/796 VAC Twelve Lead											
3	1125	213T	OF3303T	♦	987	L1	3729M	18.13	123	78.5	5.1
5	1125	215T	OF3305T	♦	1310	L1	3744M	19.25	152	78.5	7.5
7 1/2	1125	254T	OF3307T	♦	1633	L1	3930M	24.18	209	81.5	12.4
7 1/2	1125	254T	OF3407T	†*	1790	L1	0932M	20.63	229	84.0	12.5
10	1125	256T	OF3310T	♦	1980	L1	3938M	24.18	234	82.5	15.9
10	1125	256T	OF3410T	†*	2093	L1	0942M	22.38	272	84.0	15.5
15	1125	284T	OF3315T	†*	2778	L1	4032M	26.31	288	84.0	22.0
15	1125	284T	OF3415T	†*	2934	L1	1032M	23.44	314	84.0	22.0
20	1125	286T	OF3320T	†*	3328	L1	4040M	26.31	318	84.0	30.0
20	1125	286T	OF3420T	†*	3481	L1	1040M	24.94	353	84.0	28.5
Drip Proof with Screens - 460/796 VAC Six Lead											
25	1125	324T	OF3325T	†*	4275	L1	4240M	29.18	436	85.5	35.0
25	1125	324T	OF3425T	†*	4549	L1	1240M	26.13	526	85.5	35.0
30	1125	326T	OF3330T	†*	5202	L1	4244M	29.18	437	86.5	41.0
30	1125	326T	OF3430T	†*	5502	L1	1246M	27.63	517	86.5	44.0
40	1125	365T	OF3340T	†*	6627	L1	4268M	29.94	553	88.5	55.0
40	1125	365T	OF3440T	†*	6195	L1	1446M	29.69	749	87.5	54.0
50	1125	404T	OF3350T	†*	7593	D3	1644M	34.00	981	87.5	64.0
60	1125	404T	OF3360T	†*	8532	L1	1654M	34.00	1047	87.5	74.0
75	1125	404T	OF3375T	†*	10070	D3	1668M	34.00	1153	88.5	91.0
100	1125	445T	OF33100T	†*	10699	D3	1864M	39.62	1352	87.5	123.0

NOTE: Voltage at 60 Hz: V = 230/460/796, V1 = 460/796 volts.
See notes on pages 8 and 9, and inside back flap.

Custom TEFC motors available through 900 Hp; Open and WPII motors through 1500 Hp. Contact your Baldor Sales Representative.

SHADED RATINGS ARE CAST IRON FRAMES

HVAC Motors

Farm Duty Motors

Definite Purpose Motors

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Start & Dynamic Brakes

Single Phase - Gate Operator - ODP, Resilient Base

1/3 thru 3/4 Hp

NEMA 56H

Applications: Gate openers, hoists, greenhouse window openers and most medium start reversing applications.

Features: Reversible, permanent split capacitor, manual reset thermal protection. Reconnectable leads opposite drive end endplate, ball bearings, 200°C moisture resistant magnet wire. 1.00 Service Factor.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	
1/3	1625	56H	DGC1301M	◆	307	K	3414C	11.59	22	55.7	L	4.0
1/2	1625	56	DGC1304M	◆	344	K	3420C	11.59	29	61.5	L	5.7
3/4	1625	56	DGC1307M	◆	412	K	3424C	12.47	30	65.8	L	7.9

NOTE: Voltage @ 60 Hz: L =115. See notes on pages 8 and 9, and inside back flap.

Single Phase - Door Operator - ODP, Rigid Base

1/3 thru 3/4 Hp

NEMA 56

Applications: Commercial door openers and most medium start reversing applications.

Features: Reversible, capacitor start, 200°C moisture resistant magnet wire. 1.00 Service Factor.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	“C” Dimension	Ap’x. Shpg. Wgt.	Volt Code	Full Load Amps	
1/3	1625	56	DOC1301	◆	318	K	3414C	10.75	23	L	4.0
1/2	1625	56	DOC1304	◆	354	K	3420C	11.37	27	L	5.7
3/4	1625	56	DOC1307	◆	424	K	3424C	12.24	31	L	7.9

NOTE: Voltage @ 60 Hz: L = 115. See notes on pages 8 and 9, and inside back flap.

Three Phase - Super-E Premium Efficient - TEFC

1 thru 30 Hp

NEMA 56 thru 286T

Applications: Machine tools, conveyors, door operators, speed reducers, any application requiring quick stops and positive hold.

Features: Standard NEMA BA dimension. (C-face may be added in ModExpress to EBM motors for C-face with base). Spring set brake. Power off operation manual release. Resets automatically. Motors have NEMA Premium® Efficiency and inverter-ready. 230/460V brakes are connected in conduit box allowing for separate connection when used with an inverter.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number		List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	Brake Rating
Rigid Base													
1	1750	56	EBM3546	†*†	1027	K	3524M	17.80	48	86.5	E	1.4	6
1	1750	143T	EBM3546T	†*†	1027	L1	3524M	17.86	47	86.5	E	1.4	6
1 1/2	1740	145T	EBM3554T	†*†	1157	L1	3528M	17.86	55	86.5	E	2.0	10
2	1725	145T	EBM3558T	†*†	1182	L1	3532M	18.74	59	86.5	E	2.7	10
3	1760	182T	EBM3611T	†*†	1533	L1	3628M	21.12	89	89.5	E	4.1	15
5	1750	184T	EBM3615T	†*✓	1858	L1	3643M	22.65	109	90.2	E1	6.5	25
7 1/2	1770	213T	EBM3710T	†*✓	2493	L1	3736M	27.20	180	91.7	E1	9.4	35
10	1760	215T	EBM3714T	†*✓	3081	L1	3752M	29.19	194	92.4	E1	12.5	50
15	1765	254T	EBM2333T	†*	4361	L1	0936M	33.07	280	92.4	E1	18.5	75
20	1765	256T	EBM2334T	†*	5288	L1	0952M	33.57	331	93.0	E1	24.0	105
25	1770	284T	EBM4103T	†*	5952	L1	1046M	36.19	789	93.6	E1	30.0	105
30	1770	284T	EBM4104T	†*	8062	L1	1060M	42.84	579	94.1	E1	36.0	125
C-Face less Base													
1	1750	56C	VEBM3546	†*†	1045	K	3524M	17.80	48	86.5	E	1.4	6
1	1750	143TC	VEBM3546T	†*†	1052	L1	3524M	17.86	47	86.5	E	1.4	6
1 1/2	1740	145TC	VEBM3554T	†*†	1182	L1	3528M	17.86	55	86.5	E	2.0	10
2	1725	145TC	VEBM3558T	†*†	1207	L1	3532M	18.74	59	86.5	E	2.7	10
3	1760	182TC	VEBM3611T	†*†	1582	L1	3628M	21.11	89	89.5	E	4.1	15
5	1750	184TC	VEBM3615T	†*✓	1906	L1	3643M	23.06	109	90.2	E1	6.5	25
7 1/2	1770	213TC	VEBM3710T	†*✓	2603	L1	3736M	27.95	180	91.7	E1	9.4	35
10	1760	215TC	VEBM3714T	†*✓	3191	L1	3752M	29.95	194	92.4	E1	12.5	50

NOTE: Voltage @ 60 Hz: E = 208-230/460 Volts, E1=230/460 usable at 208 volts. Motors have NEMA standard BA dimensions.

† = Brake motors may be mounted for vertical mounting with brake above or below motor.

✓ = Brake motors may be mounted for vertical mounting with brake below motor.

†* = Class "F" insulated motor with 1.15 Service Factor or higher that operates within Class "B" temperature limits at rated horsepower.

Red catalog number = New item

SHADED RATINGS ARE CAST IRON FRAMES

HVAC Motors

Farm Duty
Motors

Definite Purpose
Motors

Brake Motors

200 & 575 Volt
Motors

IEC Frame
Motors

50 Hertz
Motors

Inverter/Vector
Motors & Controls

DC Motors
and Controls

Soft Start &
Dynamic Brakes

Single and Three Phase - TEFC - Rigid Base

1/4 thru 30 Hp

NEMA 56 thru 286T

Applications: Machine tools, conveyors, door operators, speed reducers, any application requiring quick stops and positive hold.

Features: Spring set brake. Power off operation manual release. Resets automatically. Brakes internally connected to motor on 215T and smaller.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	Brake Rating
Single Phase												
1/4	1725	56	BL3516	591	K	3414L	14.36	28	59.5	B1	2.1	3
1/3	1725	56	BL3517	624	K	3414L	15.46	29	60.0	B1	3.0	3
1/2	1725	56	BL3518	677	K	3421L	16.08	33	68.0	B1	3.7	3
3/4	1725	56	BL3507	889	K	3428LC	16.71	42	72.0	B1	4.2	6
1	1725	56	BL3510	942	K	3524L	17.11	48	67.0	B1	6.4	0
Three Phase												
1/4	1725	56	BM3568	568	K	3413M	14.36	27	68.0	E	0.5	0.75
1/3	1725	56	BM3569	600	K	3416M	14.36	28	70.0	E	0.7	1
1/2	1725	56	BM3538	653	K	3420M	14.98	31	75.5	E	0.9	1.5
1/2	1140	56	BM3539	900	K	3418M	11.44	29	72.0	E1	1.2	2.3
3/4	1725	56	BM3542	763	K	3420M	11.44	32	75.5	E	1.5	2.25
3/4	1140	56	BM3543	945	K	3428M	12.44	41	77.0	E	1.5	3.4
1	1725	56	BM3546	886	K	3426M	12.44	38	78.5	E	1.7	3
1	1725	143T	BM3546T	886	L1	3426M	17.01	39	78.5	E	1.7	3
1	1725	182	BM3603	1207	L1	3516M	17.49	44	77.0	E	1.7	3
1	1140	145T	BM3556T	1263	L1	3524M	17.49	48	75.5	E	1.7	4.5
1 1/2	1725	56	BM3554	995	K	3524M	17.11	43	84.0	E	2.1	4.5
1 1/2	1725	145T	BM3554T	995	L1	3524M	17.49	44	84.0	E	2.1	4.5
1 1/2	1725	184	BM3606	1290	L1	3520M	17.49	48	78.5	E	2.5	4.5
2	1725	56	BM3558	1019	K	3528M	17.11	50	82.5	E	3.1	0
2	1725	145T	BM3558T	1019	L1	3528M	17.49	52	82.5	E	3.1	0
2	1725	184	BM3609	1343	L1	3528M	17.49	55	82.5	E	3.1	0
2	1140	184T	BM3614T	1691	L1	3628M	16.56	78	80.0	E	3.3	15
3	1725	182T	BM3611T	1382	L1	3623M	15.18	70	82.5	E	4.3	15
3	1725	213	BM3703	2030	L1	3623M	18.41	79	82.5	E	4.3	15
3	1140	213T	BM3704T	2506	L1	3726M	25.88	147	81.5	E	4.8	35
5	1725	184T	BM3635T	1457	L1	3634M	16.56	88	85.5	E	6.6	15
5	1725	184T	BM3615T	1715	L1	3634M	16.56	88	85.5	E	6.6	25
5	1725	215	BM3707	2483	L1	3634M	18.41	94	85.5	E	6.6	25
7 1/2	1725	213T	BM3730T	2094	L1	3735M	25.88	157	87.5	E	10.0	25
7 1/2	1760	213T	BM3710T	2206	L1	3725M	25.88	162	87.5	E	10.4	35
10	1725	215T	BM3734T	2323	L1	3740M	27.01	166	87.5	E	13.0	30
10	1725	215T	BM3714T	2807	L1	3740M	27.51	174	87.5	E	13.0	30
15	1760	254T	BM2353T	3398	L1	0744M	29.38	270	87.5	E	20.0	50
15	1760	254T	BM2333T	3766	L1	0748M	30.80	291	90.2	E	19.0	75
20	1760	256T	BM2354T	3949	L1	0938M	32.71	322	91.0	E1	24.0	75
20	1760	256T	BM2334T	4670	L1	0938M	33.21	327	91.0	E1	24.0	105
25	1760	284T	BM4103T	4945	L1	1034M	35.83	375	89.5	E1	32.0	105
30	1760	286T	BM4104T	6936	L1	1040M	39.13	530	90.2	E1	38.0	125

NOTE: Voltage @ 60 Hz: B1= 115/230 usable at 208 volts, E1=230/460 usable at 208 volts, E = 208-230/460 volts.

Enclosed brake motors have non-standard "BA" dimension except for TENV ratings.

+ = Brake motors may be mounted for vertical mounting with brake above or below motor.

✓ = Brake motors may be mounted for vertical mounting with brake below motor. See notes on pages 8 and 9, and inside back flap.

SHADED RATINGS ARE CAST IRON FRAMES

Single and Three Phase - 1/4 thru 10 Hp TEFC - C-Face

NEMA 56C thru 215TC



Applications: Machine tools, conveyors, door operators, speed reducers, any application requiring quick stop and hold.

Features: Spring set brake. Power off operation manual release. Resets automatically. Brakes internally connected to motor on 215T and smaller.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	Brake Rating	
Single Phase													
1/3	1725	56C	KBL3406	+	636	K	3414L	15.45	28	60.0	B1	3.0	3
1/2	1725	56C	KBL3409	+	698	K	3421L	16.07	33	68.0	B1	3.7	3
3/4	1725	56C	VBL3507	+	906	K	3428LC	16.82	41	72.0	B1	4.2	6
1	1725	56C	VBL3510	+	961	K	3524L	17.80	48	67.0	B1	6.4	0
1	1725	143TC	VBL3510T	+	961	L1	3524L	17.86	49	67.0	B1	6.4	0
Three Phase, C-Face less Base													
1/4	1725	56C	KBM3454	◆□+	575	K	3413M	14.36	26	68.0	E	0.5	3
1/3	1725	56C	KBM3458	◆□+	611	K	3416M	14.36	28	70.0	E	0.7	3
1/2	1725	56C	VBM3538	◆□+	667	K	3420M	14.98	31	75.5	E	0.9	3
3/4	1725	56C	VBM3542	◆□+	782	K	3428M	15.86	37	75.0	E	1.3	6
3/4	1725	56C	VBM3542-5	◆□+	782	K	3520M	15.26	42	80.0	H	0.9	0
1	1725	56C	VBM3546	+	901	K	3426M	16.96	38	78.5	E	1.7	6
1	1725	143TC	VBM3546T	+	901	L1	3426M	17.02	39	78.5	E	1.7	6
1	1725	143TC	VBM3546T-5	+	901	L1	3516M	16.86	42	75.0	H	1.4	0
1 1/2	1725	56C	VBM3554	+	1011	K	3524M	17.80	43	84.0	E	2.1	10
1 1/2	1725	145TC	VBM3554T	+	1011	L1	3524M	17.86	44	84.0	E	2.1	10
2	1725	56C	VBM3558	+	1037	K	3528M	17.80	52	82.5	E	3.1	0
2	1725	145TC	VBM3558T	+	1037	L1	3528M	17.86	51	82.5	E	3.1	0
3	1725	182TC	VBM3611T	†*+	1450	L1	3623M	14.19	67	82.5	E	4.3	15
5	1725	184TC	VBM3615T	†*✓	1792	L1	3634M	15.56	88	85.5	E	6.6	25
7 1/2	1760	213TC	VBM3710T	†*✓	2295	L1	3725M	26.83	161	87.5	E	10.4	35
10	1725	215TC	VBM3714T	†◆	2913	L1	3740M	28.45	171	87.5	E	13.0	50
Three Phase, C-Face with Base													
1	1725	143TC	CBM3546T	+	930	L1	3516M	17.86	42	77.0	E	1.7	6
1 1/2	1725	145TC	CBM3554T	+	1043	L1	3520M	17.86	46	78.5	E	2.5	10
2	1725	145TC	CBM3558T	+	1072	L1	3528M	17.86	53	82.5	E	3.1	10
3	1725	182TC	CBM3611T	†*+	1447	L1	3623M	14.19	75	82.5	E	4.3	15
5	1725	184TC	CBM3615T	††	1810	L1	3634M	15.56	90	85.5	E	6.6	25
7 1/2	1760	213TC	CBM3710T	†*	2308	L1	3725M	26.83	154	87.5	E	10.4	35
10	1725	215TC	CBM3714T	†◆	2965	L1	3740M	28.45	166	87.5	E	13.0	50

NOTE: Voltage @ 60 Hz: B1= 115/230 usable at 208 volts, E = 208-230/460 volts, H = 575 volts. See notes on pages 8 and 9, and inside back flap.

If brake motors are to be used with any electronic control, soft start, inverter or vector, etc. then brake must be externally connected.

□ = Brake motors may be mounted for vertical mounting with brake above or below motor.

✓ = Brake motors may be mounted for vertical mounting with brake below motor.

BRAKE INTERNALLY CONNECTED TO MOTOR ON 215T OR SMALLER NEMA FRAMES.

Three Phase -
ODP

1/2 thru 15 Hp

NEMA 56 thru 254T

Applications: Machine tools, conveyors, door operators, speed reducers, any application requiring quick stops and positive hold.

Features: Spring set brake. Power off operation manual release. Resets automatically. Brakes internally connected to motor on 215T and smaller.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number		List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	Brake Rating
Rigid Base													
1/2	1725	56	BM3108	+	615	K	3416M	14.14	29	74.0	E1	1.0	3
3/4	1725	56	BM3112	+	715	K	3420M	14.77	31	75.5	E	1.5	6
1	1725	56	BM3116	+	779	K	3424M	15.64	34	78.5	E	1.7	3
1	1725	143T	BM3116T	+	779	L1	3424M	15.43	35	78.5	E	1.7	6
1 1/2	1725	145T	BM3154T	+	909	L1	3520M	15.32	44	78.5	E	2.4	10
2	1725	145T	BM3157T	+	1027	L1	3524M	16.32	47	78.5	E	3.2	10
3	1725	182T	BM3211T	+	1266	L1	3623M	14.18	71	82.5	E	4.3	15
5	1740	184T	BM3248T	✓	1343	L1	3625M	15.56	78	82.5	E	7.0	15
5	1740	184T	BM3218T	✓	1589	L1	3625M	15.56	93	82.5	E	7.0	25
7 1/2	1725	213T	BM3311T	✓	1943	L1	3726M	24.45	131	85.5	E	11.0	35
10	1725	215T	BM3313T		2460	L1	3729M	24.95	138	85.5	E	14.0	50
15	1760	254T	BM2513T	+*	3294	L1	3742M	28.63	237	89.5	F	19.1	75
C-Face less Base													
1/2	1725	56C	VBM3108	+	629	K	3416M	10.44	28	74.0	E1	1.0	3
3/4	1725	56C	VBM3112	+	735	K	3420M	11.44	32	75.5	E	1.5	6
1	1725	56C	VBM3116	+	796	K	3424M	11.44	34	78.5	E	1.7	6
1	1725	143TC	VBM3116T	+	796	L1	3424M	15.42	34	78.5	E	1.7	6
1 1/2	1725	56C	VBM3154	+	925	K	3520M	15.26	42	78.5	E	2.4	10
1 1/2	1725	145TC	VBM3154T	+	925	L1	3520M	15.32	42	78.5	E	2.4	10
2	1725	145TC	VBM3157T	+	1043	L1	3524M	16.32	47	78.5	E	3.2	10
3	1725	182TC	VBM3211T	+	1321	L1	3623M	18.20	74	82.5	E	4.3	15
5	1740	184TC	VBM3218T	✓	1640	L1	3625M	20.02	80	82.5	E	7.0	25
5	1740	184TC	VBM3248T	✓	1379	L1	3625M	19.57	80	82.5	E	7.0	15

NOTE: Voltage @ 60 Hz: E = 208-230/460, E1=230/460 usable at 208 volts, F = 230/460. See notes on pages 8 and 9, and inside back flap.

If brake motors are to be used with any electronic control, soft start, inverter or vector etc., then brake must be externally connected.

+ = Brake motors may be mounted for vertical mounting with brake above or below motor.

✓ = Brake motors may be mounted for vertical mounting with brake below motor.

Three Phase - Explosion Proof - C-Face

3/4 thru 3 Hp

NEMA 56C thru 215TC

Applications: Machine tools, conveyors, door operators, speed reducers, any application requiring quick stops and hold.

Features: Spring set brake. Power off operation manual release. Resets automatically. Explosion proof brakes require external connections.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	Brake Rating
3/4	1725	56C	CBM7010	2497	K	X3520M	19.13	97	80.0	E	1.1	6
1	1725	143TC	CBM7014T	2878	L1	X3528M	20.37	105	80.0	E	1.5	6
2	1725	182TC	CBM7023T	3484	L1	X3628M	15.99	137	84.0	F	2.9	10
3	1725	215TC	CBM7027T	4366	L1	X3726M	27.29	215	84.0	F	4.3	15

NOTE: Voltage @ 60 Hz: E = 208-230/460, F = 230/460. See notes on pages 8 and 9, and inside back flap.

① = Class I, Group D,T2C.

✓ = Brake motors may be mounted for vertical mounting with brake below motor..

All Brake motors with 20 ft.-lb. or smaller brakes can be mounted horizontal or vertical. For larger ratings consult a Baldor District Office. All motors include manual release brake as standard. Brakes on non-explosion proof motors 10 Hp and below are internally connected.

Double C-Face Motor Brake Kits Coil voltage: 115/208-230

Brake Rating	Brake Mounting	Catalog Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.
3 lb-ft	56C	CBK003-1	414	A8	12
6 lb-ft	56C	CBK006-1	610	A8	11
6 lb-ft	143-145TC	CBK006-2	610	A8	12
10 lb-ft	143-145TC	CBK010-1	712	A8	12
15 lb-ft	143-145TC	CBK015-1	1522	A8	12

NOTE: Double C-Face coupler brakes. Mounts on motors with C-Face, provides NEMA C-face mounting on brake. Spring set, electrically released. See notes on pages 8 and 9, and inside back flap.

Three Phase - Super-E Washdown - TEFC and TENV

1/2 thru 5 Hp

NEMA 56C thru 184TC

Applications: Food processing and other applications that regularly expose the motor to high pressure washdown.

Features: Standard NEMA BA dimension 300 series stainless steel hardware, moisture sealant on bolt heads, between frame and end plates. Neoprene gaskets. Spring set brake internally connected to the motor. Power off manual release. Resets automatically. Motors have NEMA Premium® Efficiency and inverter-ready. 230/460V brakes are connected in conduit box allowing for separate connection when used with an inverter.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number		List Price	Mult. Sym.	Type	“C” Dimension	Ap’x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	Brake Rating
1/2	1750	56C	CEWDBM3538	†*□	1335	K	3516M	15.31	42	82.5	F	0.8	3
3/4	1740	56C	CEWDBM3542	†*□	1442	K	3518M	15.31	46	82.5	F	1.1	6
1	1740	56C	CEWDBM3546	†*□	1481	K	3526M	16.31	52	86.5	E	1.4	6
1	1740	143TC	CEWDBM3546T	†*□	1496	L1	3526M	16.81	54	86.5	E	1.4	6
1 1/2	1740	145TC	CEWDBM3554T	†*□	1612	L1	3532M	18.14	58	86.5	E1	2.0	10
2	1725	145TC	CEWDBM3558T	†*	1640	L1	3532M	19.44	63	86.5	E	2.7	10
3	1760	182TC	CEWDBM3611T	†*	1984	L1	3628M	15.56	92	89.5	E	4.1	15
5	1750	184TC	CEWDBM3615T	†*	2397	L1	3643M	17.06	114	90.2	E1	6.5	25

NOTE: Voltage @ 60 Hz: E = 208-230/460 Volts, E1=230/460 usable at 208 volts, F = 230/460 volts, 60 Hz.

① Amps at 460V - double for 230V.

Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Three Phase - High Cycle Brake Motor

1/2 thru 2 Hp

NEMA 56C thru 145TC

Applications: Baggage conveyors and other applications requiring frequent starting and stopping.

Features: Low inertia high efficiency motor with cast aluminum footless frame for increased thermal dissipation specific to this application. A DC brake with integral rectifier provides for faster action than traditional spring-set brakes. The brake coil is connected in the motor conduit box so it may be disconnected and separately excited if the motor is used with an inverter.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	“C” Dimension	Ap’x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	Brake Rating	
1/2	1725	56C	VRBM3538	†*□	947	K	3420M	13.62	36	75.5	E	0.9	6
3/4	1725	56C	VRBM3542	†*□	1110	K	3428M	14.50	37	75.0	E	1.3	6
1	1725	56C	VRBM3546	†*□	1279	K	3436M	15.50	46	80.0	F	1.6	6
1 1/2	1725	145TC	VRBM3554T	†*□	1435	L1	7528M	16.37	72	81.5	E	2.3	10
2	1725	145TC	VRBM3558T	†*□	1473	L1	7535M	17.25	76	84.0	E	2.8	10

NOTE: Voltage @ 60 Hz: E = 208-230/460 Volts, F = 230/460 volts, 60 Hz.

① Amps at 460V - double for 230V.

Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Red catalog number = New item

Three Phase - 200 Volt - TEFC, Rigid Base



1 thru 50 Hp

NEMA 143T thru 326T

Applications: Pumps, fans, compressors, blowers, machine tools, conveyors and many other applications requiring 200 volt power.

Features: 1.15 Service Factor, positively locked drive end bearing on 254T and larger, ball bearings, dynamically balanced rotors. EM Super-E motors have NEMA Premium® efficiency and 3 year warranty.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number		List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
Totally Enclosed Fan Cooled												
1	1750	143T	EM3546T-8	†*	481	L1	3524M	13.31	42	86.5	I	3.2
1	1725	143T	M3546T-8		334	L1	3516M	12.31	31	77.0	I	4.0
1 1/2	1740	145T	EM3554T-8	†*	500	L1	3528M	13.31	45	86.5	I	4.5
1 1/2	1725	145T	M3554T-8		342	L1	3520M	12.31	36	78.5	I	6.2
2	1740	145T	EM3558T-8	†*	518	L1	3535M	14.19	52	86.5	I	6.3
2	1725	145T	M3558T-8		359	L1	3528M	13.31	43	82.5	I	7.0
3	3500	182T	EM3660T-8	†*	743	L1	0628M	15.24	93	88.5	I	7.8
3	1725	182T	M3611T-8	†*	424	L1	3535M	15.14	57	84.0	I	9.4
3	1760	182T	EM3661T-8	†*	764	L1	0628M	15.24	94	89.5	I	9.1
5	3500	184T	EM3663T-8	†*	915	L1	0634M	15.24	100	89.5	I	13.0
5	1725	184T	M3615T-8	†*	488	L1	3634M	16.55	77	85.5	I	15.2
5	1750	184T	EM3665T-8	†*	765	L1	0643M	15.24	113	90.2	I	14.9
7 1/2	3525	213T	EM3769T-8	†*	1059	L1	0733M	18.45	173	91.0	I	19.8
7 1/2	1760	213T	M3710T-8	†*	623	L1	3729M	17.89	116	87.5	I	24.8
7 1/2	1770	213T	EM3770T-8	†*	1020	L1	0735M	18.45	178	91.7	I	21.4
10	3500	213T	EM3771T-8	†*	1242	L1	0744M	18.45	203	91.7	I	26.5
10	1725	215T	M3714T-8	†♦	758	L1	3740M	19.01	130	87.5	I	29.5
10	1760	215T	EM3774T-8	†*	1145	L1	0748M	18.45	201	92.4	I	28.4
15	3525	254T	EM2394T-8	†*	1711	L1	0934M	23.16	267	91.7	I	39.6
15	1765	254T	EM2333T-8	†*	1574	L1	0936M	23.16	238	92.4	I	42.4
15	1760	254T	M2333T-8	†*	1331	L1	0748M	21.07	222	90.2	I	43.7
20	3540	256T	EM4106T-8	†*	1878	L1	0944M	23.16	285	92.4	I2	52.9
20	1765	256T	EM2334T-8	†*	1909	L1	0952M	23.16	286	93.0	I2	55.2
20	1760	256T	M2334T-8	†*	1607	L1	0938M	23.16	261	91.0	I2	55.0
25	3530	284TS	EM4107T-8	†*	2451	L1	0950M	24.59	382	93.0	I2	63.0
25	1770	284T	EM4103T-8	†*	2497	L1	1046M	27.76	407	93.6	I2	68.4
25	1760	284T	M4103T-8	†*	1987	L1	0956M	25.96	361	92.4	I2	67.0
30	3520	286TS	EM4108T-8	†*	2913	L1	0954M	24.59	407	93.0	I2	75.0
30	1770	286T	EM4104T-8	†*	2963	L1	1060M	27.76	414	94.1	I2	84.0
30	1760	286T	M4104T-8	†*	2347	L1	0964M	25.96	386	92.4	I2	83.0
40	1775	324T	EM4110T-8	†*	3875	L1	1260M	30.28	578	94.5	I2	106.0
40	1770	324T	M4110T-8	†*	3114	L1	1240M	30.28	517	90.2	I2	114.0
50	1775	326T	EM4115T-8	†*	4235	L1	1266M	30.28	687	94.5	I2	131.0
50	1760	326T	M4115T-8	†*	3224	L1	1080M	30.39	554	93.0	I2	137.0

NOTE: TEFC 1 through 15 Hp are 3 lead, 20 through 75 Hp are 6 lead suitable for part winding start on 200 volts.
Voltage @ 60 HZ: I = 200 volt, I2 = 200 volt, 6 lead DOL or Part Winding Start.
See notes on pages 8 and 9, and inside back flap.

SHADED RATINGS ARE CAST IRON FRAMES

HVAC Motors

Farm Duty
Motors

Definite Purpose
Motors

Brake Motors

200 & 575 Volt
Motors

IEC Frame
Motors

50 Hertz
Motors

Inverter/Vector
Motors & Controls

DC Motors
and Controls

Soft Start &
Dynamic Brakes

Three Phase - 200 Volt - ODP, Rigid Base

3/4 thru 100 Hp

NEMA 56 thru 404T

Applications: Pumps, fans, compressors, blowers, machine tools, conveyors and many other applications requiring 200 volt power.

Features: 1.15 Service Factor, positively locked drive end bearing on 254T and larger, ball bearings, dynamically balanced rotors. EM and EFM Super-E motors have NEMA Premium® efficiency and 3 year warranty.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number		List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
Open Drip Proof												
1	1740	143T	EM3116T-8	†*	420	L1	3520M	11.12	36	85.5	I	3.2
1	1725	143T	M3116T-8		301	L1	3424M	11.32	30	78.5	I	3.9
1 1/2	1740	145T	EM3154T-8	†*	440	L1	3526M	12.12	42	86.5	I	4.8
1 1/2	1725	145T	M3154T-8		354	L1	3520M	11.12	33	78.5	I	5.5
2	1725	145T	EM3157T-8	†*	471	L1	3532M	13.00	47	86.5	I	6.1
2	1725	145T	M3157T-8		361	L1	3524M	12.12	38	78.5	I	7.1
3	3450	145T	M3158T-8		418	L1	3524M	12.13	41	80.0	I	9.1
3	1760	182T	EM3211T-8	†*	508	L1	3628M	15.00	72	89.5	I	9.3
3	1725	182T	M3211T-8	†*	375	L1	3535M	14.00	54	82.5	I	9.4
5	3450	182T	M3212T-8		432	L1	3535M	14.00	57	80.0	I	14.0
5	1750	184T	EM3218T-8	†*	557	L1	3632M	15.00	75	89.5	I	15.0
5	1740	184T	M3218T-8	†*	415	L1	3625M	15.00	69	82.5	I	16.1
7 1/2	3450	184T	M3219T-8	†*	593	L1	3628M	15.00	69	84.0	I	21.0
7 1/2	1760	213T	EM3311T-8	†*	819	L1	3732M	16.32	116	91.7	I	22.3
7 1/2	1725	213T	M3311T-8		589	L1	3726M	16.32	97	85.5	I	25.0
10	3450	213T	M3312T-8		745	L1	3720M	16.32	88	82.5	I	28.8
10	1760	215T	EM3313T-8	†*	991	L1	3739M	17.45	148	91.7	I	29.5
10	1725	215T	M3313T-8		722	L1	3729M	16.32	104	85.5	I	33.0
15	3450	215T	M3314T-8	†*	1089	L1	3729M	16.32	109	85.5	I	41.0
15	1765	254T	EM2513T-8	†*	1405	L1	3938M	21.69	234	93.0	I	40.7
15	1760	254T	M2513T-8	†*	1091	L1	3742M	20.00	160	89.5	I	44.0
20	3510	254T	EM2514T-8	†*	1632	L1	3932M	21.69	186	92.4	I2	52.3
20	3525	256T	M2514T-8		1393	L1	3930M	21.69	191	88.5	I2	57.0
20	1765	256T	EM2515T-8	†*	1764	L1	3944M	21.69	237	93.0	I2	54.3
20	1760	256T	M2515T-8		1405	L1	3930M	21.69	191	88.5	I2	61.0
25	3520	256T	EM2516T-8	†*	1959	L1	3940M	21.69	242	93.0	I	63.2
25	3500	256T	M2516T-8		1685	L1	3928M	21.69	201	88.5	I2	68.5
25	1770	284T	EM2531T-8	†*	2150	L1	4046M	23.81	313	94.1	I2	69.5
25	1760	284T	M2531T-8		1703	L1	3938M	23.44	297	88.5	I2	74.0
30	3525	284TS	M2534T-8		1784	L1	3938M	22.06	251	91.0	I2	81.0
30	1770	286T	EM2535T-8	†*	2352	L1	4052M	25.06	353	94.1	I2	81.0
30	1760	286T	M2535T-8		1991	L1	3952M	24.94	281	92.4	I2	83.0

NOTE: ODP 1 through 15 Hp are 3 lead, 20 through 100 Hp are 6 lead suitable for part winding start on 200 volts.

Voltage @ 60 Hz: I = 200 volt, I2 = 200 volt, 6 lead, DOL or Part Winding Start.

See notes on pages 8 and 9, and inside back flap.

Custom TEFC motors available through 900 Hp; Open and WPII motors through 1250 Hp. Contact your Baldor Sales Representative.

Three Phase - 200 Volt - ODP, Rigid Base continued...

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	
40	3540	286TS	EM2538T-8	†*	2979	L1	4054M	23.69	377	94.1	I2	105.0
40	3500	286TS	M2538T-8		2512	L1	3946M	23.56	290	91.7	I2	104.0
40	1775	324T	EM2539T-8	†*	3068	L1	4250M	26.69	488	94.5	I2	107.0
40	1760	324T	M2539T-8		2539	L1	4044M	26.17	341	90.2	I2	113.0
40	1760	324T	FM2539T-8		2539	L1	4044M	26.19	329	90.2	I2	113.0
50	3500	324TS	M2542T-8		2603	L1	4040M	24.69	391	89.5	I2	135.0
50	1775	326T	EM2543T-8	†*	3386	L1	4256M	27.69	521	94.5	I2	132.0
50	1765	326T	M2543T-8		2980	L1	4060M	27.19	427	93.0	I2	140.0
60	1775	364T	EM2547T-8	†*	4263	L1	4278M	30.69	615	95.0	I2	160.0
75	1775	365T	EM2551T-8	†*	5233	L1	1462M	29.69	808	95.0	I2	195.0
100	1780	404T	EM2555T-8	†*	5967	D3	4476M	36.97	1114	95.4	I2	263.0
Open Drip Proof, F2 Mount												
3/4	1725	56	FM3112-8		265	K	3420M	10.12	25	74.0	I	3.2
2	1725	145T	EFM3157T-8	†*	471	L1	3532M	13.00	46	86.5	I	6.1
3	1760	182T	EFM3211T-8	†*	508	L1	3628M	15.00	71	89.5	I	9.3
5	1750	184T	EFM3218T-8	†*	557	L1	3632M	15.00	84	89.5	I	15.0
7 1/2	1770	213T	EFM3311T-8	†*	819	L1	3732M	16.32	116	91.7	I	22.3
7 1/2	1725	213T	FM3311T-8		589	L1	3726M	16.32	97	85.5	I	25.0
10	1725	215T	FM3313T-8	†*	722	L1	3729M	16.32	107	85.5	I	33.0
10	1760	215T	EFM3313T-8	†*	991	L1	3739M	17.45	148	91.7	I	29.5
15	1765	254T	EFM2513T-8	†*	1405	L1	3938M	21.69	234	93.0	I	40.7
15	1760	254T	FM2513T-8	†*	1091	L1	3742M	20.00	162	89.5	I	44.0
20	1765	256T	EFM2515T-8	†*	1764	L1	3944M	21.69	237	93.0	I2	54.3
20	1760	256T	FM2515T-8		1405	L1	3930M	21.69	191	88.5	I2	61.0

NOTE: ODP 1 through 15 Hp are 3 lead, 20 through 100Hp are 6 lead suitable for part winding start on 200 volts. Voltage @ 60 Hz: I = 200 volts, I2 = 200 volts, 6 lead DOL or Part Winding Start.

See notes on pages 8 and 9, and inside back flap.

Custom TEFC motors available through 900 Hp; Open and WPII motors through 1250 Hp. Contact your Baldor Sales Representative.

SHADED RATINGS ARE CAST IRON FRAMES

HVAC Motors

Farm Duty
Motors

Definite Purpose
Motors

Brake Motors

200 & 575 Volt
Motors

IEC Frame
Motors

50 Hertz
Motors

Inverter/Vector
Motors & Controls

DC Motors
and Controls

Soft Start &
Dynamic Brakes

Three Phase - 575 Volt - TEFC

Meets NRC Canadian standards for efficiency.

1/3 thru 150 Hp

NEMA 56 thru 445T



Applications: Pumps, compressors, fans, conveyors, machine tools and other applications where 575 volt three phase power is available.

Features: Ball bearings. Mount in any position. Heavy gauge steel and cast iron frames. EM Super-E motors have NEMA Premium® efficiency and 3 year warranty.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
Totally Enclosed Fan Cooled											
1/3	1725	56	M3534-5	238	LS	3413M	11.35	21	68.0	H	0.6
1/2	3450	56	M3537-5	254	K	3410M	11.35	20	68.0	H	0.8
1/2	1725	56	M3538-5	272	LS	3416M	11.35	22	74.0	H	0.8
1/2	1140	56	M3539-5	408	K	3418M	11.35	24	72.0	H	1.0
3/4	3450	56	M3541-5	280	K	3413M	11.35	21	74.0	H	1.0
3/4	1725	56	M3542-5	290	LS	3420M	11.35	26	75.5	H	1.2
3/4	1140	143T	M3543T-5	417	L1	3428M	13.41	34	77.0	H	1.2
1	3450	56	M3545-5	329	K	3416M	11.35	23	75.5	H	1.4
1	1725	56	M3546-5	303	LS	3516M	12.23	31	75.0	H	1.4
1	1750	143T	EM3546T-5	†*	LS	3524M	13.31	38	86.5	H	1.1
1	1740	143T	M3546T-5	336	LS	3518M	12.31	35	82.5	H	1.2
1	1140	145T	M3556T-5	458	L1	3526M	13.31	42	80.0	H	1.5
1 1/2	3450	143T	M3550T-5	380	L1	3520M	12.31	37	82.5	H	1.6
1 1/2	1740	145T	EM3554T-5	†*	LS	3528M	13.31	45	86.5	H	1.6
1 1/2	1740	145T	M3554T-5	342	LS	3524M	13.31	39	84.0	H	1.7
1 1/2	1160	182T	M3607T-5	†♦	L1	3625M	16.54	66	85.5	H	2.0
2	3450	145T	M3555T-5	438	L1	3526M	13.31	43	84.0	H	2.1
2	1725	145T	EM3558T-5	†*	LS	3532M	14.19	51	86.5	H	2.2
2	1740	145T	M3558T-5	362	LS	3528M	13.31	43	84.0	H	2.2
2	1160	184T	M3614T-5	569	L1	3632M	16.54	74	86.5	H	2.8
3	3450	145T	M3559T-5	†*	L1	3535M	14.19	51	85.5	H	3.0
3	1760	182T	EM3611T-5	†*	LS	3628M	16.55	72	89.5	H	3.1
3	1750	182T	M3611T-5	†*	LS	3546M	16.52	68	87.5	H	3.4
3	1760	182T	EM3661T-5	†*	L1	0628M	15.24	93	89.5	H	3.2
3	1750	182T	M3661T-5	†*	L1	0628M	15.24	93	87.5	H	3.3
3	1160	213T	M3704T-5	†*	L1	3729M	17.89	111	87.5	H	4.1
5	3450	184T	M3613T-5	†*	L1	3630M	16.54	71	87.5	H	4.8
5	1750	184T	EM3615T-5	†*	LS	3643M	18.05	94	90.2	H	5.2
5	1750	184T	M3615T-5	†*	LS	3633M	16.55	78	87.5	H	5.7
5	1750	184T	EM3665T-5	†*	L1	0643M	15.24	112	90.2	H	5.2
5	1750	184T	M3665T-5	†*	L1	0638M	15.24	106	87.5	H	5.2
5	1160	215T	M3708T-5	†*	L1	3735M	17.89	122	87.5	H	6.0
7 1/2	3450	184T	M3616T-5	†*	L1	3640M	18.04	89	88.5	H	7.0
7 1/2	3450	213T	M3709T-5	†*	L1	3640M	18.56	92	88.5	H	7.0
7 1/2	1770	213T	EM3710T-5	†*	LS	3744M	19.02	147	91.7	H	8.2
7 1/2	1760	213T	M3710T-5	†*	LS	3735M	17.89	126	89.5	H	8.2
7 1/2	1770	213T	EM3770T-5	†*	L1	0740M	18.45	178	91.7	H	8.0
7 1/2	1760	213T	M3770T-5	†*	L1	0735M	18.45	170	89.5	H	8.2

NOTE: Voltage @ 60 Hz: H = 575 volts.

See notes on pages 8 and 9, and inside back flap.

SHADED RATINGS ARE CAST IRON FRAMES

Three Phase - 575 Volt - TEFC continued...

Meets NRC Canadian standards for efficiency.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number		List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
10	3500	213T	M3711T-5	†*	949	L1	3732M	17.89	126	89.5	H	9.2
10	1760	215T	EM3714T-5	†*	1015	LS	3750M	19.77	153	91.7	H	10.1
10	1760	215T	M3714T-5	†*	762	LS	3740M	19.01	138	89.5	H	11.4
10	1760	215T	EM3774T-5	†*	1145	L1	0750M	18.45	201	91.7	H	10.1
10	1760	215T	M3774T-5	†*	997	L1	0740M	18.45	187	89.5	H	11.4
15	3450	215T	M3713T-5	†*	1204	L1	3750M	19.76	158	90.2	H	13.5
15	3525	254T	EM2394T-5	†*	1711	L1	0934M	23.16	268	91.7	H	13.8
15	1760	254T	M2333T-5	†*	1338	LS	0756M	21.07	242	91.0	H	15.3
20	3540	256T	EM4106T-5	†*	1878	L1	0944M	23.16	258	92.4	H	18.4
20	3450	256T	M4106T-5	†*	1648	L1	0750M	22.83	236	90.2	H	18.5
20	1760	256T	M2334T-5	†*	1616	LS	0938M	23.16	265	91.0	H	19.3
25	3530	284TS	EM4107T-5	†*	2451	L1	0950M	24.59	398	93.0	H	22.0
25	3510	284TS	M4107T-5	†*	2097	L1	0942M	24.59	361	91.0	H	22.5
25	1760	284T	M4103T-5	†*	1999	LS	0956M	25.96	472	92.4	H	23.2
30	3520	286TS	EM4108T-5	†*	2913	L1	0954M	24.59	418	93.0	H	26.2
30	3510	286TS	M4108T-5	†*	2275	L1	0950M	24.59	382	91.0	H	27.4
30	1760	286T	M4104T-5	†*	2362	LS	0964M	25.96	427	92.4	H	28.6
40	3540	324TS	EM4109T-5	†*	3994	L1	1244M	28.78	517	93.6	H	36.0
40	3530	324TS	M4109T-5	†*	3252	L1	1050M	28.89	486	91.7	H	36.0
40	1770	324T	M4110T-5	†*	3133	LS	1064M	30.39	560	93.0	H	38.0
50	3540	326TS	EM4114T-5	†*	4369	L1	1252M	28.90	633	94.1	H	43.6
50	3530	326TS	M4114T-5	†*	3306	L1	1064M	28.89	585	92.4	H	45.0
50	1760	326T	M4115T-5	†*	3244	LS	1080M	30.39	578	93.0	H	48.0
60	1775	364T	M4314T-5	†*	4970	LS	1454M	32.84	734	93.6	H	57.0
75	1775	365T	M4316T-5	†*	6126	LS	1462M	32.84	1082	94.1	H	68.0
100	1775	405T	M4400T-5	†*	7607	LS	1480M	37.22	1110	94.5	H	90.0
125	1780	444T	M4410T-5	†*	10263	LS	1868M	44.24	1275	94.5	H	113.0
150	1780	445T	M4406T-5	†*	12023	LS	1884M	44.24	1421	95.0	H	135.0

NOTE: Voltage @ 60 Hz: H = 575 volts.

See notes on pages 8 and 9, and inside back flap.

Custom TEFC motors available through 900 Hp; Open and WPII motors through 1250 Hp.

Contact your Baldor Sales Representative.

SHADED RATINGS ARE CAST IRON FRAMES

HVAC Motors

Farm Duty
Motors

Definite Purpose
Motors

Brake Motors

200 & 575 Volt
Motors

IEC Frame
Motors

50 Hertz
Motors

Inverter/Vector
Motors & Controls

DC Motors
and Controls

Soft Start &
Dynamic Brakes

Three Phase - 575 Volt - ODP

Meets NRC Canadian standards for efficiency.

1/3 thru 150 Hp

NEMA 56 thru 444T



Applications: Pumps, compressors, fans, conveyors, machine tools and other applications where 575 volt three phase power is available.

Features: Ball bearings. Mount in any position. Heavy gauge steel and cast iron frames. EM Super-E motors have NEMA Premium® efficiency and 3 year warranty.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	
Open Drip Proof												
1/3	1725	56	M3104-5	209	LS	3413M	9.50	20	68.0	H	0.6	
1/2	1725	56	M3108-5	238	LS	3416M	9.50	22	74.0	H	0.8	
3/4	1725	56	M3112-5	266	LS	3420M	10.12	25	75.5	H	1.2	
1	1725	56	M3116-5	300	LS	3424M	11.75	28	78.5	H	1.3	
1	1740	143T	EM3116T-5	†*	420	L1	3520M	11.12	36	85.5	H	1.1
1	1725	143T	M3116T-5		302	LS	3518M	11.12	33	82.5	H	1.1
1 1/2	1740	145T	EM3154T-5	†*	440	L1	3526M	12.12	40	86.5	H	1.7
1 1/2	1740	145T	M3154T-5		354	LS	3524M	11.62	37	84.0	H	1.7
2	1725	145T	EM3157T-5	†*	471	L1	3532M	13.00	46	86.5	H	2.1
2	1740	145T	M3157T-5		361	LS	3528M	12.12	42	84.0	H	2.2
3	1760	182T	EM3211T-5	†*	508	L1	3628M	15.00	69	89.5	H	3.1
3	1725	182T	M3211T-5	†*	377	LS	3540M	14.63	62	86.5	H	3.2
5	1750	184T	EM3218T-5	†*	557	L1	3632M	15.00	74	89.5	H	5.2
5	1750	184T	M3218T-5		417	LS	3628M	15.00	69	87.5	H	5.5
7 1/2	1760	213T	EM3311T-5	†*	819	L1	3732M	16.32	118	91.0	H	8.0
7 1/2	1750	213T	M3311T-5		592	LS	3646M	17.00	112	88.5	H	7.7
10	1760	215T	EM3313T-5	†*	991	L1	3746M	18.20	148	91.7	H	10.2
10	1760	215T	M3313T-5		725	LS	3738M	17.45	129	89.5	H	11.0
15	1765	254T	EM2513T-5	†*	1405	L1	3938M	21.69	234	93.0	H	14.1
15	1760	254T	M2513T-5	†*	1096	LS	3752M	20.50	171	91.0	H	16.2
20	1765	256T	EM2515T-5	†*	1764	L1	3944M	21.69	237	93.0	H	18.9
20	1760	256T	M2515T-5		1413	L1	3936M	21.69	221	91.0	H	19.8
25	1770	284T	EM2531T-5	†*	2150	L1	4046M	23.81	330	94.1	H	24.2
25	1760	284T	M2531T-5		1714	L1	3942M	23.44	278	91.7	H	24.4
30	1770	286T	EM2535T-5	†*	2352	L1	4052M	25.06	356	94.1	H	28.0
30	1760	286T	M2535T-5		2004	L1	3952M	24.94	280	92.4	H	29.0
40	1775	324T	EM2539T-5	†*	3068	L1	4250M	26.69	482	94.5	H	37.4
40	1770	324T	M2539T-5		2554	L1	4052M	26.19	387	93.0	H	38.8
50	1775	326T	EM2543T-5	†*	3386	L1	4256M	27.69	445	94.5	H	46.0
50	1765	326T	M2543T-5		2999	L1	4060M	27.19	383	93.0	H	49.2
60	1775	364T	EM2547T-5	†*	4263	L1	4278M	30.69	726	95.0	H	56.0
60	1770	364T	M2547T-5		3698	L1	4252M	27.94	467	93.6	H	57.4
75	1770	365T	M2551T-5		4541	L1	4272M	29.94	593	94.1	H	70.0
100	1775	404T	M2555T-5		4956	L1	4462M	35.22	687	94.1	H	94.0
125	1775	405T	M2559T-5		5664	D3	4486M	34.47	597	94.5	H	115.0
150	1780	444T	M2558T-5		7331	D3	1864M	39.62	1470	95.0	H	139.0

NOTE: Voltage @ 60 Hz: H = 575 volts.

See notes on pages 8 and 9, and inside back flap.

SHADED RATINGS ARE CAST IRON FRAMES

Three Phase - 575 Volt - Premium Efficient, Severe Duty - TEFC

Meets NRC Canadian standards for efficiency.

1 thru 200 Hp

NEMA 143T thru 447T



Applications: Petro-chemical plants, mines, foundries, pulp and paper plants, waste management facilities, chemical plants, tropical climates and other processing industry applications requiring corrosion protection from severe environmental operating conditions.

Features: 1.15 Service Factor. Corrosion resistant epoxy finish. Regreasable ball bearings. Oversized rotatable cast iron conduit box. Forsheda® shaft seal. Moisture resistant copper windings. Class F insulation. Stainless steel nameplate and corrosion resistant hardware. Tropicalized. NEMA Premium® efficiency, and 3 Year Warranty.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
1	1750	143T	ECP3581T-5	708	L1	0524M	12.75	63	86.5	H	1.1
1 1/2	1740	145T	ECP3584T-5	721	L1	0528M	12.75	68	86.5	H	1.6
2	1725	145T	ECP3587T-5	753	L1	0532M	12.75	71	86.5	H	2.2
3	1760	182T	ECP3661T-5	953	L1	0628M	15.93	103	89.5	H	3.2
3	1160	213T	ECP3764T-5	1339	L1	0736M	19.32	186	89.5	H	4.0
5	1750	184T	ECP3665T-5	970	L1	0643M	15.93	124	90.2	H	5.2
5	1160	215T	ECP3768T-5	1357	L1	0744M	19.32	205	89.5	H	6.4
7 1/2	1770	213T	ECP3770T-5	1222	L1	0740M	19.32	178	91.7	H	8.0
7 1/2	1180	254T	ECP2276T-5	1942	L1	0954M	23.25	267	91.7	H	8.7
10	1760	215T	ECP3774T-5	1463	L1	0750M	19.32	215	91.7	H	10.1
10	1180	256T	ECP2332T-5	2523	L1	0960M	23.25	286	91.7	H	11.5
15	1765	254T	ECP2333T-5	1864	L1	0936M	23.25	255	92.4	H	14.8
15	1180	284T	ECP4100T-5	2892	L1	1056M	27.56	425	93.0	H	15.9
20	1765	256T	ECP2334T-5	2000	L1	0952M	23.25	286	93.0	H	19.2
20	1180	286T	ECP4102T-5	3930	L1	1062M	27.56	452	93.0	H	20.6
25	1770	284T	ECP4103T-5	2617	L1	1046M	27.56	479	93.6	H	23.9
25	1180	324T	ECP4111T-5	4107	L1	1248M	30.16	554	93.0	H	25.3
30	1770	286T	ECP4104T-5	3108	L1	1060M	27.56	446	94.1	H	29.0
40	1775	324T	ECP4110T-5	4066	L1	1260M	30.16	578	94.5	H	36.8
50	1775	326T	ECP4115T-5	4773	L1	1266M	30.16	670	94.5	H	45.6
60	1780	364T	ECP4314T-5	6397	L1	1462M	32.84	808	95.0	H	55.0
75	1780	365T	ECP4316T-5	7475	L1	1482M	32.84	847	95.4	H	69.2
100	1780	405T	ECP4400T-5	9756	LS	1684M	38.03	1153	95.4	H	87.0
125	1780	444T	ECP4410T-5	11533	LS	1876M	44.24	1327	95.4	H	111.5
150	1785	445T	ECP4406T-5	13511	LS	1888M	44.24	1823	95.8	H	141.0
200	1785	447T	ECP4407T-5	16254	LS	18136M	47.74	1836	96.2	H	179.0

NOTE: Voltage @ 60 Hz: H = 575 volts.

See notes on pages 8 and 9, and inside back flap.

SHADED RATINGS ARE CAST IRON FRAMES

HVAC Motors

Farm Duty
Motors

Definite Purpose
Motors

Brake Motors

200 & 575 Volt
Motors

IEC Frame
Motors

50 Hertz
Motors

Inverter/Vector
Motors & Controls

DC Motors
and Controls

Soft Start &
Dynamic Brakes

Three Phase - IEEE841 - 575 Volts, Rigid Base

Meets NRC Canadian standards for efficiency.

1 thru 250 Hp

NEMA 143T thru 449T



Applications: Petro-chemical, pulp and paper, cement, aggregate mining and other process industries requiring premium efficient motors designed, manufactured and tested to exceed IEEE 841-2001 TEFC motor standards for extreme severe duty service.

Features: Upgraded electrical and mechanical design with NEMA Premium® efficient winding using Baldor ISR® (inverter Spike Resistant) magnet wire. Inpro/Seal® VBX (thru 210 frame) and VBXX bearing isolators on fan and drive end shaft extensions and epoxy paint provides IP56 enclosure. Oversized bearings on both ends of motor with improved grease-through lubrication design. Balance measurement pads on endplates. Stainless breather drains. Proprietary cast frames for reduced vibration and noise. Terminal lugs on motor leads. Final test and vibration results shipped with motor. Enhanced motor nameplate data. Complies with DuPont, Weyerhaeuser, GM 7E-TA and many other corporate specifications. 5-year warranty.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	“C” Dimension	Ap’x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	
1	1750	143T	ECP83581T-5	†*	777	L1	0524M	12.75	64	85.5	H	1.1
1 1/2	1740	145T	ECP83584T-5	†*	791	L1	0530M	12.75	68	86.5	H	1.6
2	1725	145T	ECP83587T-5	†*	826	L1	0532M	12.75	70	86.5	H	2.2
3	1760	182T	ECP83661T-5	†*	1046	L1	0628M	15.93	105	89.5	H	3.2
5	1750	184T	ECP83665T-5	†*	1066	L1	0643M	15.93	124	90.2	H	5.2
7 1/2	1770	213T	ECP83770T-5	†*	1343	L1	0740M	19.32	178	91.7	H	8.0
10	1760	215T	ECP83774T-5	†*	1591	L1	0750M	19.32	196	91.7	H	10.1
15	1765	254T	ECP82333T-5	†*	2048	L1	0936M	25.50	255	92.4	H	14.8
20	1765	256T	ECP82334T-5	†*	2215	L1	0952M	25.50	286	93.0	H	19.2
25	1770	284T	ECP84103T-5	†*	2873	L1	1046M	27.93	415	93.6	H	23.9
30	1770	286T	ECP84104T-5	†*	3382	L1	1060M	27.93	424	94.1	H	29.0
40	1775	324T	ECP84110T-5	†*	4504	L1	1260M	30.16	618	93.6	H	36.8
50	1775	326T	ECP84115T-5	†*	5289	L1	1266M	30.16	628	94.5	H	45.6
60	1780	364T	ECP84314T-5	†*	7024	L1	1462M	32.84	808	95.0	H	55.0
75	1780	365T	ECP84316T-5	†*	8169	L1	1482M	32.84	689	95.4	H	69.2
100	1780	405T	ECP84400T-5	†*	10904	D3	1684M	38.03	1239	95.4	H	87.0
125	1780	444T	ECP84410T-5	†*	12369	D3	1876M	45.37	1449	95.4	H	112.0
150	1785	445T	ECP84406T-5	†*	14628	D3	1888M	45.37	1672	95.8	H	141.0
200	1785	447T	ECP84407T-5	†*	17599	D3	18136M	47.74	2030	96.2	H	179.0
250	1785	449T	ECP84408T-5	†*	22199	D3	18168M	52.68	2691	95.8	H	220.0

NOTE: Voltage @ 60 Hz: H = 575 volts. See notes on pages 8 and 9, and inside back flap. Custom TEFC motors available through 900 Hp; Open and WPII motors through 1250 Hp. ECP4408T-5 not NEMA Premium® efficiency, a custom motor is available. Contact your Baldor Sales Representative.

SHADED RATINGS ARE CAST IRON FRAMES

Three Phase - 575 Volt - TEFC, C-Face



Meets NRC Canadian standards for efficiency.

1/3 thru 25 Hp

NEMA 56C thru 284TC

Applications: Pumps, fans, compressors, blowers, machine tools, conveyors and many applications requiring 575 volt power.

Features: 1.15 Service Factor. Positively locked drive end ball bearing, dynamically balanced rotors. CEM Super-E motors have NEMA Premium® efficiency and 3 year warranty.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
C-Face with Base											
1/3	1725	56C	CM3534-5	256	LS	3413M	11.35	21	68.0	H	0.6
1/2	1725	56C	CM3538-5	292	LS	3416M	11.35	24	74.0	H	0.8
3/4	1725	56C	CM3542-5	331	K	3420M	11.35	27	75.5	H	1.2
1	1725	56C	CM3546-5	333	K	3424M	11.97	28	78.5	H	1.3
1	1740	143TC	CM3546T-5	363	L1	3518M	13.29	34	82.5	H	1.2
1	1750	143TC	CEM3581T-5	†*	660	L1	0524M	56	86.5	H	1.1
1 1/2	3450	143TC	CEM3583T-5	†*	605	L1	0524M	60	85.5	H	1.6
1 1/2	1725	56C	CM3554-5	360	K	3520M	12.23	35	78.5	H	2.0
1 1/2	1740	145TC	CM3554T-5	369	L1	3524M	13.29	40	84.0	H	1.7
1 1/2	1740	145TC	CEM3584T-5	†*	682	L1	0528M	61	86.5	H	1.6
2	3450	145TC	CEM3586T-5	†*	683	L1	0532M	66	86.5	H	2.0
2	1725	56C	CM3558-5	387	K	3528M	13.23	42	82.5	H	2.5
2	1740	145TC	CM3558T-5	387	L1	3528M	13.29	45	84.0	H	2.2
2	1725	145TC	CEM3587T-5	†*	713	L1	0532M	65	86.5	H	2.2
3	3450	145TC	CM3559T-5	†*	527	L1	3535M	49	85.5	H	3.0
3	3450	182TC	CM3610T-5	†*	583	L1	3535M	60	85.5	H	3.0
3	3500	182TC	CEM3660T-5	†*	811	L1	0628M	99	88.5	H	2.7
3	1750	182TC	CM3611T-5	†*	491	L1	3546M	72	87.5	H	3.4
3	1760	182TC	CEM3661T-5	†*	832	L1	0628M	100	89.5	H	3.2
5	3450	184TC	CM3613T-5	†*	663	L1	3630M	74	87.5	H	4.8
5	3500	184TC	CEM3663T-5	†*	983	L1	0634M	107	89.5	H	4.6
5	1750	184TC	CM3615T-5	†*	555	LS	3633M	82	87.5	H	5.7
5	1750	184TC	CEM3665T-5	†*	833	L1	0640M	115	90.2	H	5.2
7 1/2	3525	213TC	CEM3769T-5	†*	1195	L1	0733M	191	91.0	H	6.9
7 1/2	1760	213TC	CM3710T-5	†*	721	LS	3735M	127	89.5	H	8.2
7 1/2	1770	213TC	CEM3770T-5	†*	1156	L1	0740M	178	91.7	H	8.0
10	3500	215TC	CM3711T-5	†*	1008	L1	3732M	129	89.5	H	9.2
10	3500	215TC	CEM3771T-5	†*	1378	L1	0744M	181	91.7	H	9.0
10	1760	215TC	CM3714T-5	†*	856	LS	3740M	142	89.5	H	11.4
10	1760	215TC	CEM3774T-5	†*	1281	L1	0750M	201	91.7	H	10.1
15	3450	215TC	CM3713T-5	†*	1298	L1	3750M	158	90.2	H	13.5
15	1760	254TC	CM2333T-5	†*	1742	L1	0756M	236	91.0	H	15.5
15	1765	254TC	CEM2333T-5	†*	1982	L1	0936M	238	92.4	H	14.8
20	1760	256TC	CM2334T-5	†*	2021	L1	0938M	257	91.0	H	19.3
20	1765	256TC	CEM2334T-5	†*	2316	L1	0948M	286	93.0	H	19.0
25	1770	284TC	CEM4103T-5	†*	3063	L1	1046M	421	93.6	H	23.9

NOTE: Voltage @ 60 Hz: H = 575 volts.

See notes on pages 8 and 9, and inside back flap.

SHADED RATINGS ARE CAST IRON FRAMES

**Custom 575 volt motors available through 1000 Hp.
Contact your local Baldor Sales Representative.**

Three Phase - 575 Volt - TEFC, C-Face continued...

Meets NRC Canadian standards for efficiency.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	
C-Face less Base												
1/3	1725	56C	VM3534-5	252	LS	3413M	11.35	22	68.0	H	0.6	
1/2	3450	56C	VM3537-5	268	K	3410M	11.35	19	68.0	H	0.8	
1/2	1725	56C	VM3538-5	286	LS	3416M	11.35	22	74.0	H	0.8	
3/4	3450	56C	VM3541-5	294	K	3413M	11.35	21	74.0	H	1.0	
3/4	1725	56C	VM3542-5	304	LS	3420M	11.35	25	75.5	H	1.2	
1	3450	56C	VM3545-5	343	K	3416M	11.35	24	75.5	H	1.4	
1	1725	56C	VM3546-5	317	LS	3516M	12.23	30	75.0	H	1.4	
1	1725	143TC	VM3546T-5	357	LS	3518M	12.31	34	82.5	H	1.1	
1 1/2	3450	56C	VM3550-5	373	K	3424M	11.97	29	80.0	H	1.8	
1 1/2	3450	143TC	VM3550T-5	401	L1	3424M	12.04	30	80.0	H	1.8	
1 1/2	1725	56C	VM3554-5	356	LS	3520M	12.23	34	78.5	H	2.0	
1 1/2	1740	145TC	VM3554T-5	364	LS	3524M	13.31	40	84.0	H	1.7	
2	3450	56C	VM3555-5	417	K	3428M	12.85	32	80.0	H	2.2	
2	1725	56C	VM3558-5	382	LS	3528M	13.23	41	82.5	H	2.5	
2	1740	145TC	VM3558T-5	382	LS	3528M	13.31	45	84.0	H	2.2	
3	3450	56C	VM3559-5	†*	483	K	3528M	13.23	45	82.5	H	3.0
3	3450	182TC	VM3610T-5	†*	572	L1	3535M	15.18	57	85.5	H	3.0
3	1750	182TC	VM3611T-5	†*	464	LS	3546M	16.55	68	87.5	H	3.4
5	3450	184TC	VM3613T-5	†*	652	L1	3630M	16.55	72	87.5	H	4.8
5	1750	184TC	VM3615T-5	†*	528	LS	3638M	18.05	88	87.5	H	5.2
7 1/2	3450	213TC	VM3709T-5	†*	987	L1	3640M	19.28	91	88.5	H	7.0
7 1/2	1760	213TC	VM3710T-5	†*	705	LS	3735M	18.63	124	89.5	H	8.2
10	3500	215TC	VM3711T-5	†*	1027	L1	3732M	18.63	123	89.5	H	9.2
10	1760	215TC	VM3714T-5	†*	840	LS	3740M	19.76	137	89.5	H	11.4
15	3450	215TC	VM3713T-5	†*	1282	L1	3750M	20.51	165	90.2	H	13.5
15	1760	254TC	VM2333T-5	†*	1373	L1	0938M	23.66	266	91.0	H	14.5
20	1760	256TC	VM2334T-5	†*	1700	L1	0938M	23.66	275	91.0	H	19.3

NOTE: Voltage @ 60 Hz: H = 575 volts.

See notes on pages 8 and 9, and inside back flap.

SHADED RATINGS ARE CAST IRON FRAMES

Three Phase - 575 Volt, Close-Coupled Pump - TEFC and ODP

Meets NRC Canadian standards for efficiency.

1 thru 20 Hp

NEMA 143JM thru 256JM



Applications: Applications for circulating and transferring fluids. Commercial and industrial water pumps, etc.

Features: Over-sized ball bearings with locked drive end construction for minimum shaft movement. Open drip-proof, close coupled pump motors are furnished with rodent screens at both ends. EJMM Super-E motors have NEMA Premium® efficiency and 3 year warranty.

Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
Totally Enclosed Fan-Cooled - C-Face with Base											
1	1725	143JM	JMM3546T-5	424	L1	3516M	15.43	35	75.0	H	1.4
1 1/2	3450	143JM	JMM3550T-5	445	L1	3516M	15.43	39	75.0	H	1.8
1 1/2	1725	145JM	JMM3554T-5	†*	L1	3520M	15.43	40	78.5	H	2.0
2	3450	145JM	JMM3555T-5	496	L1	3524M	15.43	44	78.5	H	2.2
2	1725	145JM	JMM3558T-5	†*	L1	3528M	15.43	47	82.5	H	2.5
3	3450	145JM	JMM3559T-5	†*	L1	3528M	15.43	50	82.5	H	3.0
3	3450	182JM	JMM3610T-5	578	L1	3620M	16.69	60	81.5	H	3.1
3	1725	182JM	JMM3611T-5	†*	L1	3623M	16.69	66	82.5	H	3.6
5	3450	184JM	JMM3615T-5	†*	L1	3628M	18.06	75	85.5	H	4.8
5	1725	184JM	JMM3615T-5	†*	L1	3634M	18.06	79	85.5	H	5.3
7 1/2	3450	184JM	JMM3616T-5	†♦	L1	3640M	19.56	93	87.5	H	6.9
7 1/2	1760	213JM	JMM3710T-5	†*	L1	3729M	19.81	125	87.5	H	8.2
10	3450	215JM	JMM3711T-5		L1	3735M	19.81	130	85.5	H	9.6
10	1725	215JM	JMM3714T-5	†♦	L1	3740M	20.94	138	87.5	H	10.4
15	3500	254JM	JMM2394T-5	†*	L1	0744M	23.07	192	86.5	H	13.7
15	1760	254JM	JMM2333T-5	†*	L1	0744M	23.07	203	87.5	H	16.0
15	3450	215JM	JMM3713T-5	†*	L1	3744M	20.94	151	86.5	H	13.7
Totally Enclosed Fan Cooled - C-Face less Base											
1	1725	143JM	VJMM3546T-5	431	L1	3516M	14.43	36	75.0	H	1.4
1 1/2	1725	145JM	VJMM3554T-5	452	L1	3520M	14.43	37	78.5	H	2.0
2	1725	145JM	VJMM3558T-5	473	L1	3528M	15.43	45	82.5	H	2.5
3	1725	182JM	VJMM3611T-5	†*	L1	3623M	16.83	55	82.5	H	3.6
5	1725	184JM	VJMM3615T-5	†*	L1	3634M	18.05	76	85.5	H	5.3
7 1/2	1725	213JM	VJMM3710T-5	†*	L1	3735M	19.76	121	87.5	H	8.0
10	1725	215JM	VJMM3714T-5	†♦	L1	3740M	20.89	136	87.5	H	10.4
15	1760	254JM	VJMM2333T-5	†*	L1	0744M	21.82	190	87.5	H	16.0
20	1760	256JM	VJMM2334T-5	†*	L1	0944M	25.16	267	91.0	H	19.1
Open Drip Proof - C-Face with Base											
3	3450	145JM	JMM3158T-5	479	L1	3524M	14.25	45	80.0	H	3.2
3	1725	182JM	JMM3211T-5	†*	L1	3535M	15.63	60	82.5	H	3.3
5	3450	182JM	JMM3212T-5	539	L1	3535M	15.63	62	85.5	H	4.9
5	1740	184JM	JMM3218T-5	514	L1	3625M	16.50	66	82.5	H	5.6
7 1/2	3450	184JM	JMM3219T-5	†*	L1	3628M	16.50	73	84.0	H	7.2
7 1/2	1725	213JM	JMM3311T-5	746	L1	3726M	18.19	104	85.5	H	8.8
10	3450	213JM	JMM3312T-5	896	L1	3720M	18.19	95	82.5	H	10.0
10	1725	215JM	JMM3313T-5	886	L1	3729M	18.19	110	85.5	H	11.2
15	3450	215JM	JMM3314T-5	†*	L1	3729M	19.78	116	85.5	H	14.5

NOTE: Voltage @ 60 Hz: H = 575 volts
See notes on pages 8 and 9, and inside back flap.

SHADED RATINGS ARE CAST IRON FRAMES

HVAC Motors

Farm Duty
Motors

Definite Purpose
Motors

Brake Motors

200 & 575 Volt
Motors

IEC Frame
Motors

50 Hertz
Motors

Inverter/Vector
Motors & Controls

DC Motors
and Controls

Soft Start &
Dynamic Brakes

Three Phase - 575 Volt, Explosion Proof - Rigid Base and C-Face

1/2 thru 40 Hp

NEMA 56 thru 324T

Applications: Shakers, blowers, pumps, mixers, etc.

Features: All models have torques exceeding NEMA standards, copper windings, rotors that are corrosion treated and precision balanced. 1.00 Service Factor. UL and CSA approved for Class I, Group D or Class II, Group F & G.



Hp	RPM 60 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
Rigid Base											
1/2	1725	56	M7006-5	501	K	X3513M	14.30	37	74.0	H	0.9
3/4	1725	56	M7010-5	578	K	X3513M	14.30	38	76.0	H	1.2
1	3450	56	M7013-5	606	K	X3416M	13.22	31	75.5	H	1.2
1	1725	56	M7014-5	632	K	X3516M	14.30	41	75.0	H	1.4
1	1740	143T	M7014T-5	662	L1	X3518M	14.36	46	82.5	H	1.2
1 1/2	3470	143T	M7018T-5	621	L1	X3522M	15.23	50	82.5	H	1.5
1 1/2	1740	145T	M7034T-5	663	L1	X3524M	15.23	50	84.0	H	1.7
2	3450	145T	M7071T-5	637	L1	X3526M	15.23	54	84.0	H	2.1
2	1740	145T	M7037T-5	748	L1	X3528M	15.23	56	84.0	H	2.2
3	1750	182T	M7042T-5	818	L1	X3628M	17.42	81	87.5	H	3.3
5	3465	184T	M7072T-5	937	L1	X3634M	18.12	94	87.5	H	5.5
5	1750	184T	M7044T-5	1014	L1	X3638M	17.37	101	87.5	H	5.2
7 1/2	1760	213T	M7047T-5	1250	L1	X3735M	20.32	170	89.5	H	8.2
10	1760	215T	M7170T-5	1688	L1	X0740M	19.90	217	89.5	H	11.4
15	1770	254T	M7054T-5	1956	L1	X0944M	25.50	351	91.0	H	14.4
20	1760	256T	M7056T-5	2536	L1	X0946M	25.50	361	91.0	H	19.2
25	1775	284T	M7058T-5	3138	L1	X1046M	28.61	510	92.4	H	24.6
30	1770	286T	M7060T-5	3752	L1	X1056M	28.61	496	92.4	H	28.8
40	1775	324T	M7062T-5	5126	L1	X1256M	32.00	761	93.0	H	37.6
C-Face less Base, No Drip Cover											
1/2	1725	56C	VM7006-5	653	K	X3513M	14.30	37	74.0	H	0.9
3/4	1725	56C	VM7010-5	665	K	X3513M	14.30	48	76.0	H	1.2
1	1725	56C	VM7014-5	698	K	X3516M	14.30	40	75.0	H	1.4
1	1740	143TC	VM7014T-5	698	L1	X3518M	14.36	44	82.5	H	1.2
1 1/2	1740	145TC	VM7034T-5	752	L1	X3524M	15.23	51	84.0	H	1.7
2	1740	145TC	VM7037T-5	813	L1	X3528M	15.23	54	84.0	H	2.2
3	1750	182TC	VM7042T-5	1043	L1	X3628M	18.86	92	87.5	H	3.3
5	1750	184TC	VM7044T-5	1270	L1	X3638M	18.80	112	87.5	H	5.2
7 1/2	1760	213TC	VM7047T-5	1471	L1	X3735M	19.19	171	89.5	H	8.2

NOTE: Voltage @ 60 Hz: H = 575 volts. See notes on pages 8 and 9, and inside back flap.

SHADED RATINGS ARE CAST IRON FRAMES.

⑧ = Class I, Group D, Class II, Group F & G, T3C. See page 4 for explosion proof classifications.

CAUTION: Explosion-proof motors have a tight fit between mating parts to ensure the integrity of the explosion-proof enclosure. This can lead to an accumulation of moisture inside the motors due to condensation. Care should be used when selecting an explosion-proof motor, especially when installed outdoors and for intermittent duty. The Explosion-proof motors are not suitable for use with adjustable speed drives. Inverter Duty Explosion-proof motors must be used. See page 165.

See notes on pages 4 and 8.

Three Phase - Metric IEC Frame Motors - 60 Hz



230/460 Volt – 60 Hz
18 thru 1.5 kW (.25 thru 2 Hp)

IEC D63 thru D90L

Applications: Replacement motors for equipment made in Europe requiring IEC metric frame mounting.

Features: IP55 weather proof enclosure, aluminum frame construction.
Conforms to IEC60072-1 and IEC60034-1.
CSA and CSAus #1282269 (LR112981)

kW/Hp	RPM 60 Hz.	IEC Frame	Catalog Number	List Price	Mult. Sym.	"Q" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
B3 - Foot Mount - Rigid Base										
.18/.25	3400	D63	MM5100	159	K	8.74	9	63.0	F	0.5
.18/.25	1670	D63	MM5150	166	K	8.74	12	64.0	F	0.6
.25/.33	3360	D63	MM5200	185	K	8.74	10	62.0	F	0.7
.25/.33	1680	D71	MM5250	194	K	9.60	11	64.0	F	0.8
.37/.50	3440	D71	MM5300	199	K	9.60	13	66.0	F	1.0
.37/.50	1690	D71	MM5350	202	K	9.60	16	72.0	F	0.9
.55/.75	3440	D71	MM5400	206	K	9.60	17	70.5	F	1.4
.55/.75	1710	D80	MM5450	219	K	11.26	22	75.5	F	1.3
.75/1.0	3440	D80	MM5500	235	K	11.26	20	76.0	F	1.6
.75/1.0	1710	D80	MM5550	238	K	11.26	23	82.5	F	1.7
1.1/1.5	3440	D80	MM5600	262	K	11.26	23	82.5	F	2.1
1.1/1.5	1725	D90S	MM5650	268	K	11.93	26	84.5	F	2.1
1.5/2.0	3440	D90S	MM5700	278	K	11.93	34	84.0	F	2.8
1.5/2.0	1725	D90L	MM5750	287	K	12.91	37	84.0	F	3.1
B5 - Flange Mount										
.18/.25	3400	D63D	MVM5100D	183	K	8.74	10	63.0	F	0.5
.18/.25	1670	D63D	MVM5150D	190	K	8.74	13	64.0	F	0.6
.25/.33	3360	D63D	MVM5200D	211	K	8.74	11	62.0	F	0.7
.25/.33	1680	D71D	MVM5250D	218	K	9.60	12	64.0	F	0.8
.37/.50	3440	D71D	MVM5300D	217	K	9.60	14	66.0	F	1.0
.37/.50	1690	D71D	MVM5350D	225	K	9.60	17	72.0	F	0.9
.55/.75	3440	D71D	MVM5400D	230	K	9.60	18	70.5	F	1.4
.55/.75	1710	D80D	MVM5450D	245	K	11.26	23	75.5	F	1.3
.75/1.0	3440	D80D	MVM5500D	251	K	11.26	21	76.0	F	1.6
.75/1.0	1710	D80D	MVM5550D	264	K	11.26	24	82.5	F	1.7
1.1/1.5	3440	D80D	MVM5600D	287	K	11.26	24	82.5	F	2.1
1.1/1.5	1725	D90SD	MVM5650D	293	K	11.93	27	84.5	F	2.1
1.5/2.0	3440	D90SD	MVM5700D	319	K	11.93	35	84.0	F	2.8
1.5/2.0	1725	D90LD	MVM5750D	327	K	12.91	38	84.0	F	3.1
B14 - Face Mount										
.18/.25	3400	D63C	MVM5100C	179	K	8.74	9	63.0	F	0.5
.18/.25	1670	D63C	MVM5150C	185	K	8.74	12	64.0	F	0.6
.25/.33	3360	D63C	MVM5200C	207	K	8.74	10	62.0	F	0.7
.25/.33	1680	D71C	MVM5250C	213	K	9.60	11	64.0	F	0.8
.37/.50	3440	D71C	MVM5300C	214	K	9.60	13	66.0	F	1.0
.37/.50	1690	D71C	MVM5350C	222	K	9.60	16	72.0	F	0.9
.55/.75	3440	D71C	MVM5400C	225	K	9.60	17	70.5	F	1.4
.55/.75	1710	D80C	MVM5450C	239	K	11.26	22	75.5	F	1.3
.75/1.0	3440	D80C	MVM5500C	247	K	11.26	20	76.0	F	1.6
.75/1.0	1710	D80C	MVM5550C	260	K	11.26	23	82.5	F	1.7
1.1/1.5	3440	D80C	MVM5600C	282	K	11.26	23	82.5	F	2.1
1.1/1.5	1725	D90SC	MVM5650C	286	K	11.93	26	84.5	F	2.1
1.5/2.0	3440	D90SC	MVM5700C	311	K	11.93	34	84.0	F	2.8
1.5/2.0	1725	D90LC	MVM5750C	319	K	12.91	37	84.0	F	3.1

NOTE: Voltage @ 60 Hz: F = 230/460
See notes on pages 8 and 9, and inside back flap.

HVAC Motors

Farm Duty
Motors

Definite Purpose
Motors

Brake Motors

200 & 575 Volt
Motors

IEC Frame
Motors

50 Hertz
Motors

Inverter/Vector
Motors & Controls

DC Motors
and Controls

Soft Start &
Dynamic Brakes

Three Phase - Metric IEC Frame Motors - 60 Hz

575 Volt – 60 Hz
18 thru 1.5 kW (.25 thru 2 Hp)

IEC D63 thru D90L



Applications: Replacement motors for equipment made in Europe requiring IEC metric frame mounting.

Features: IP55 weather proof enclosure, aluminum frame construction. Conforms to IEC60072-1 and IEC60034-1. CSA and CSAus #1282269 (LR112981).

kW/Hp	RPM 60 Hz.	IEC Frame	Catalog Number	List Price	Mult. Sym.	"Q" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
B3 - Foot Mount - Rigid Base										
.18/.25	3400	D63	MM5100-5	159	K	8.74	9	63.0	H	0.4
.18/.25	1670	D63	MM5150-5	166	K	8.74	12	64.0	H	0.5
.25/.33	3360	D63	MM5200-5	185	K	8.74	10	62.0	H	0.6
.25/.33	1680	D71	MM5250-5	194	K	9.60	11	64.0	H	0.6
.37/.50	3440	D71	MM5300-5	199	K	9.60	13	66.0	H	0.8
.37/.50	1690	D71	MM5350-5	202	K	9.60	16	72.0	H	0.7
.55/.75	3440	D71	MM5400-5	206	K	9.60	17	70.5	H	1.1
.55/.75	1710	D80	MM5450-5	219	K	11.26	22	75.5	H	1.1
.75/1.0	3440	D80	MM5500-5	235	K	11.26	20	76.0	H	1.2
.75/1.0	1710	D80	MM5550-5	238	K	11.26	20	82.5	H	1.4
1.1/1.5	3440	D80	MM5600-5	262	K	11.26	23	82.5	H	1.7
1.1/1.5	1725	D90S	MM5650-5	268	K	11.93	26	84.5	H	1.7
1.5/2.0	3440	D90S	MM5700-5	278	K	11.93	34	84.0	H	2.2
1.5/2.0	1725	D90L	MM5750-5	287	K	12.91	37	84.0	H	2.5
B5 - Flange Mount										
.18/.25	3400	D63D	MVM5100D-5	183	K	8.74	10	63.0	H	0.4
.18/.25	1670	D63D	MVM5150D-5	190	K	8.74	13	64.0	H	0.5
.25/.33	3360	D63D	MVM5200D-5	211	K	8.74	11	62.0	H	0.6
.25/.33	1680	D71D	MVM5250D-5	218	K	9.60	12	64.0	H	0.6
.37/.50	3440	D71D	MVM5300D-5	217	K	9.60	14	66.0	H	0.8
.37/.50	1690	D71D	MVM5350D-5	225	K	9.60	17	72.0	H	0.8
.55/.75	3440	D71D	MVM5400D-5	230	K	9.60	18	70.5	H	1.1
.55/.75	1710	D80D	MVM5450D-5	245	K	11.26	23	75.5	H	1.1
.75/1.0	3440	D80D	MVM5500D-5	251	K	11.26	21	76.0	H	1.2
.75/1.0	1710	D80D	MVM5550D-5	264	K	11.26	24	82.5	H	1.4
1.1/1.5	3440	D80D	MVM5600D-5	287	K	11.26	24	82.5	H	1.7
1.1/1.5	1725	D90SD	MVM5650D-5	293	K	11.93	27	84.5	H	1.7
1.5/2.0	3440	D90SD	MVM5700D-5	319	K	11.93	35	84.0	H	2.2
1.5/2.0	1725	D90LD	MVM5750D-5	327	K	12.91	38	84.0	H	2.5
B14 - Face Mount										
.18/.25	3400	D63C	MVM5100C-5	179	K	8.74	9	63.0	H	0.4
.18/.25	1670	D63C	MVM5150C-5	185	K	8.74	12	64.0	H	0.5
.25/.33	3360	D63C	MVM5200C-5	207	K	8.74	10	62.0	H	0.6
.25/.33	1680	D71C	MVM5250C-5	213	K	9.60	11	64.0	H	0.6
.37/.50	3440	D71C	MVM5300C-5	214	K	9.60	13	66.0	H	0.8
.37/.50	1690	D71C	MVM5350C-5	222	K	9.60	16	72.0	H	0.7
.55/.75	3440	D71C	MVM5400C-5	225	K	9.60	17	70.5	H	1.1
.55/.75	1710	D80C	MVM5450C-5	239	K	11.26	22	75.5	H	1.1
.75/1.0	3440	D80C	MVM5500C-5	247	K	11.26	20	76.0	H	1.2
.75/1.0	1710	D80C	MVM5550C-5	260	K	11.26	23	82.5	H	1.4
1.1/1.5	3440	D80C	MVM5600C-5	340	K	11.26	23	82.5	H	1.7
1.1/1.5	1725	D90SC	MVM5650C-5	286	K	11.93	26	84.5	H	1.7
1.5/2.0	3440	D90SC	MVM5700C-5	311	K	11.93	34	84.0	H	2.2
1.5/2.0	1725	D90LC	MVM5750C-5	319	K	12.91	37	84.0	H	2.5

NOTE: Voltage @ 60 Hz: H = 575 volts. See notes on pages 8 and 9, and inside back flap.

Three Phase - Metric IEC Frame Motors - 60 Hz

.18 thru 1.5 kW (.25 thru 2 Hp)

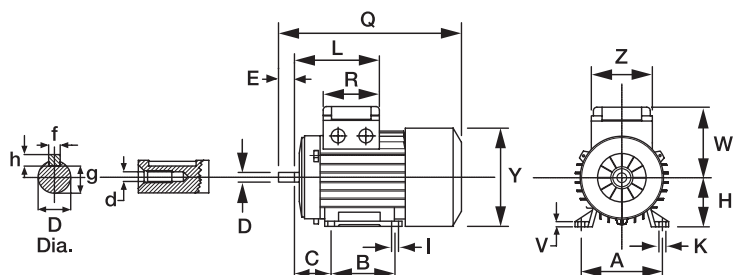
IEC D63 thru D90L



Dimensions

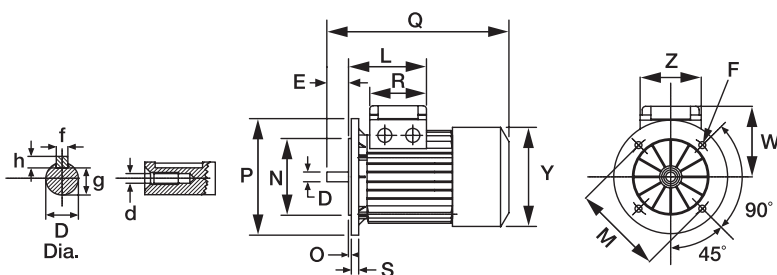
IEC Frame	Ø D	E	f	g	h	L	Q	R	V	Y	Z	d
63	11	23	4	8.5	4	130	222	81	7	120	75	M4
71	14	30	5	11	5	148	244	81	8.5	150	75	M5
80	19	40	6	15.5	6	162	286	81	9.5	170	75	M6
90 S	24	50	8	20	7	171	303	98.5	10.5	185	98.5	M8
90 L	24	50	8	20	7	196	328	98.5	10.5	185	98.5	M8

B3 - Foot Mount



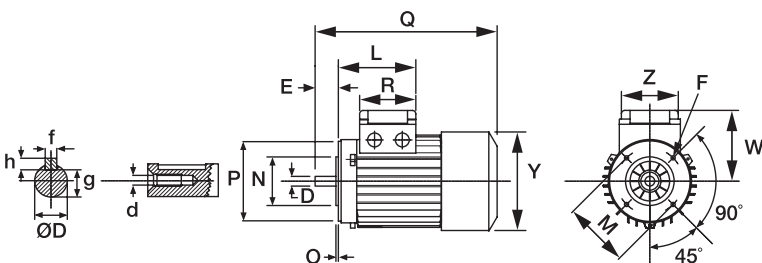
IEC Frame	A	B	C	H	I	K	W
63	100	80	40	63	8	10.5	89
71	112	90	45	71	7	10.5	102
80	125	100	50	80	9	14	113
90 S	140	100	56	90	10	14	127
90 L	140	125	56	90	10	14	127

B5 - Flange Mount



IEC Frame	F	Ø M	Ø N	O	Ø P	S
63	9.5	115	95	3	140	10
71	9.5	130	110	3.5	160	12
80	11.5	165	130	3.5	200	12
90 S	11.5	165	130	3.5	200	12
90 L	11.5	165	130	3.5	200	12

B14 - Face Mount



IEC Frame	F	Ø M	Ø N	O	Ø P
63	M5	75	60	2.5	90
71	M6	85	70	2.5	105
80	M6	100	80	3	120
90 S	M8	115	95	3	140
90 L	M8	115	95	3	140

Three Phase - 60 Hz -TEFC (IP54), Rigid Base (IEC-B3)



0.18/0.25 thru 30/40 kW/Hp IEC D63 thru D200L

Applications: Pumps, fans, conveyors, machine tools, gear reducers and other applications requiring IEC Metric B3 base mount replacements.

Features: Conforms to IEC60072-1 and IEC60034-1. Conduit box mounted F-2, Rigid Base.

kW/Hp	RPM 60 Hz.	IEC Frame	Catalog Number		List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
Rigid Base												
0.18/0.25	1725	D63	MM3454	◆	216	K	3320M	10.47	20	73.0	E1	0.6
0.25/0.33	3450	D63	MM3457	◆	200	K	3320M	10.47	19	72.0	E1	0.6
0.25/0.33	1725	D71	MM3458	◆	238	K	3320M	10.43	20	74.0	E1	0.7
0.37/0.5	3450	D71	MM3460	◆	228	K	3320M	10.43	20	72.0	E1	0.6
0.37/0.5	1725	D71	MM3461	◆	282	K	3320M	10.43	19	71.0	E	1.2
0.56/0.75	3450	D71	MM3463	◆	251	K	3328M	10.93	24	75.2	E1	1.2
0.56/0.75	1725	D80	MM3542	◆	301	K	3420M	10.73	26	75.5	E	1.5
0.75/1	3450	D80	MM3545	◆	298	K	3416M	10.73	25	77.0	E	1.5
0.75/1	1725	D80	MM3546	◆	314	K	3428M	12.23	33	75.5	E	1.8
1.1/1.5	3450	D80	MM3550	◆	331	K	3424M	11.35	30	82.5	E	2.1
1.1/1.5	1740	D90S	MM3554		366	K	3524M	13.00	41	84.0	E	2.1
1.5/2	3450	D90S	MM3555		395	K	3526M	13.00	43	84.0	E	2.6
1.5/2	1740	D90L	MM3558		376	K	3528M	13.00	47	84.0	E	2.8
2.2/3	3450	D90L	MM3559	†*	501	K	3535M	13.87	52	85.5	E	3.6
2.2/3	1750	D100L	MM3611	†*	451	L1	3628M	15.76	69	87.5	E	4.1
3.7/5	3450	D100L	MM3613	†*	555	L1	3630M	15.76	72	87.5	E	6.0
3.7/5	1750	D112M	MM3615	†*	512	L1	3634M	16.17	82	87.5	E	7.1
5.5/7.5	3500	D132S	MM3709	†*	823	L1	3728M	17.66	119	88.5	E	9.0
5.5/7.5	1760	D132S	MM3710	†*	649	L1	3735M	17.66	127	89.5	E	10.2
7.5/10	3500	D132S	MM3711	†*	898	L1	3732M	17.66	125	89.5	E	11.5
7.5/10	1760	D132M	MM3714	†*	791	L1	3740M	18.91	139	89.5	E	14.2
11/15	1760	D160M	MM2333	†*	1271	L1	0756M	21.40	240	91.0	F	19.2
15/20	1760	D160L	MM2334	†*	1538	L1	0944M	23.51	254	91.0	E1	24.0
18.5/25	1760	D180M	MM4103	†*	1910	L1	0956M	25.68	384	92.4	E1	29.0
22/30	1760	D180L	MM4104	†*	2242	L1	0964M	25.68	421	92.4	E1	36.0
30/40	1775	D200L	MM4110	†*	2983	L1	1248M	29.35	560	93.0	E1	47.0

NOTE: Voltage @ 60 Hz: E1 = 230/460 usable at 208 volts, E = 208-230/460, F = 230/460 volts
See notes on pages 8 and 9, and inside back flap.

SHADED RATINGS ARE CAST IRON FRAMES

Three Phase - 60 Hz - TEFC (IP54), Flange (IEC-B5)



0.25/0.33 thru 7.5/10 kW/Hp IEC D71D thru D132MD

Applications: Pumps, fans conveyors, machine tools, gear reducers and other applications requiring IEC Metric B5 flange mount replacements.

Features: IEC-B5 Flange mount, Conduit box mounted F-2.
Conforms to IEC60072-1 and IEC60034-1.

kW/Hp	RPM 60 Hz.	IEC Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
Flange with Oil Seal											
0.25/0.33	3450	D71D	MVM3457D	310	K	3320M	10.74	20	72.0	E1	0.6
0.25/0.33	1725	D71D	MVM3458D	374	K	3320M	10.74	20	74.0	E1	0.7
0.37/0.50	3450	D71D	MVM3460D	358	K	3320M	10.74	20	72.0	E1	0.6
0.37/0.50	1725	D71D	MVM3461D	†*	K	3320M	10.74	20	71.0	E1	1.2
0.56/0.75	3450	D71D	MVM3463D	†	K	3328M	11.24	25	75.2	E1	1.2
0.56/0.75	1725	D80D	MVM3542D	398	K	3420M	10.73	27	75.5	E	1.5
0.75/1	3450	D80D	MVM3545D	438	K	3416M	10.73	25	75.5	E1	1.8
0.75/1	1725	D80D	MVM3546D	455	K	3428M	12.23	34	75.5	E	1.8
1.1/1.5	3450	D80D	MVM3550D	460	L1	3516M	11.61	38	75.5	E	2.3
1.1/1.5	1725	D90SD	MVM3554D	469	L1	3520M	12.01	41	78.5	E	2.5
1.5/2	3450	D90LD	MVM3555D	502	L1	3524M	13.01	45	78.5	E	2.7
1.5/2	1725	D90LD	MVM3558D	486	L1	3528M	13.01	49	82.5	E	3.1
2.2/3	3450	D90LD	MVM3559D	†*	L1	3528M	13.01	52	82.5	E	3.8
2.2/3	1725	D100LD	MVM3611D	†*	L1	3623M	12.04	68	82.5	E	4.3
3.7/5	3450	D100LD	MVM3613D	†*	L1	3628M	13.41	80	85.5	E	6.0
3.7/5	1725	D112MD	MVM3615D	†*	L1	3634M	13.41	84	85.5	E	6.6
5.5/7.5	3450	D132SD	MVM3709D	†*	L1	3723M	19.35	121	84.0	E	9.4
5.5/7.5	1760	D132SD	MVM3710D	†*	L1	3729M	19.35	137	86.5	E	10.8
7.5/10	3450	D132SD	MVM3711D	†*	L1	3735M	19.35	144	85.5	E	12.0
7.5/10	1725	D132MD	MVM3714D	†	L1	3740M	20.48	152	87.5	E	13.0

NOTE: Voltage @ 60 Hz: E1= 230/460 usable at 208 volts, E = 208-230/460 volts. See notes on pages 8 and 9, and inside back flap.
Bases available, see page 154. Metric dimensions are located on back flap.

Three Phase - 60 Hz - TEFC (IP54), B14 Face (IEC B14)



0.25/0.33 thru 7.5/10 kW/Hp IEC D71C thru D112MC

Applications: Pumps, fans, conveyors, machine tools, gear reducers and other applications requiring IEC Metric B14 face mounting replacements.

Features: IEC- B14 face mounting, Conduit box mounted F-2.

kW/Hp	RPM 60 Hz.	IEC Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
B14 Face, 208-230/460 Volts											
0.25/0.33	1725	D71C	MVM3458C	329	K	3320M	10.74	22	74.0	E1	0.7
0.37/0.50	3450	D71C	MVM3460C	350	K	3320M	10.74	22	72.0	E1	0.6
0.37/0.50	1725	D71C	MVM3461C	370	K	3320M	10.74	22	71.0	E	1.2
0.56/0.75	3450	D71C	MVM3463C	364	K	3328M	11.24	26	75.5	E1	1.4
0.56/0.75	1725	D80C	MVM3542C	389	K	3420M	11.11	28	75.5	E	1.5
0.75/10	3450	D80C	MVM3545C	430	K	3416M	11.11	26	75.5	E1	1.8
0.75/10	1725	D80C	MVM3546C	444	K	3428M	12.61	32	75.5	E	1.8
1.1/1.5	3450	D80C	MVM3550C	449	L1	3516M	11.38	33	75.5	E	2.3
1.1/1.5	1725	D90SC	MVM3554C	460	L1	3520M	12.78	40	78.5	E	2.5
1.5/2	3450	D90SC	MVM3555C	494	L1	3524M	13.78	45	78.5	E	2.7
1.5/2	1725	D90LC	MVM3558C	473	L1	3528M	13.78	48	82.5	E	3.1
2.2/3	3450	D90LC	MVM3559C	541	L1	3528M	13.75	53	82.5	E	3.8
2.2/3	1725	D100LC	MVM3611C	586	L1	3623M	14.52	61	82.5	E	4.3
3.7/5	3450	D100LC	MVM3613C	673	L1	3628M	15.89	72	85.5	E	6.0
3.7/5	1725	D112MC	MVM3615C	632	L1	3634M	15.89	76	85.5	E	6.6

NOTE: Voltage @ 60 Hz: E1= 230/460 usable at 208 volts, E = 208-230/460 volts. See notes on pages 8 and 9, and inside back flap.

Metric Frame Weld-on Bases

IEC Frame	Catalog Number	Description Baldor Type/NEMA Frame	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.
D71	MB3371	33/42	20	A8	1
D80	MB3480	34/48-56	25	A8	1
D90	MB3590	35/56-145	26	A8	2
D112	MB36112	36/182-184	43	A8	3
D132	MB37132	37/213-256	59	A8	6

Three Phase - 50 Hz - TEFC (IP54), B3 Face (IEC B5, B14)



0.56/0.75 thru 15/20 kW/Hp IEC D80 thru D160L

Applications: Pumps, fans, conveyors, machine tools, gear reducers and other applications requiring IEC metric motor replacements.

Features: CE certified, Conforms to IEC60072-1 and IEC60034-1, steel band motors have conduit box mounted on top with F-2 lead exit, Includes terminal blocks, cast iron conduct box in F-2 position.

kW/Hp	RPM 50 Hz.	IEC Frame	Catalog Number		List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
Rigid Base (IEC-B3)												
0.75/1	1425	D80	MM3546-50	◆	346	K	3432M	12.73	36	74.0	P	2.0
1.5/2	1425	D90L	MM3558-50	◆	414	K	3532M	13.87	50	80.0	P	3.2
2.2/3	1425	D100L	MM3611-50	◆	496	L1	3628M	16.20	66	81.5	P	4.7
3.7/5	1450	D112M	MM3615-50	◆	563	L1	3640M	17.67	101	84.0	P	7.8
5.5/7.5	1450	D132S	MM3710-50	◆	715	L1	3729M	17.66	121	85.5	W	11.5
7.5/10	1460	D132M	MM3714-50	◆	871	L1	3744M	18.79	146	86.5	W	15.7
11/15	1460	D160M	MM2333-50	◆	1398	L1	0756M	21.41	235	86.5	W	23.7
15/20	1450	D160L	MM2334-50	◆	1692	K	0948M	23.51	276	88.0	W	29.0
Flange (IEC-B5) with Oil Seal												
0.56/0.75	1425	D80D	MVM3542D-50		438	K	3424M	11.35	30	76.0	P	1.7
1.5/2	1425	D90LD	MVM3558D-50	◆	535	L1	3532M	13.89	56	80.0	P	3.2
2.2/3	1425	D100LD	MVM3611D-50	◆	658	L1	3628M	13.41	78	81.5	P	4.7
3.7/5	1450	D112MD	MVM3615D-50	◆	710	L1	3640M	14.91	98	84.0	P	8.1
5.5/7.5	1450	D132SD	MVM3710D-50	◆	896	L1	3729M	18.17	117	85.5	W	11.5
7.5/10	1460	D132MD	MVM3714D-50	◆	1091	L1	3744M	20.52	169	86.5	W	15.7
11/15	1450	D160MD	MVM2333D-50	◆	1303	L1	0940M	25.36	236	90.2	W	22.0
15/20	1450	D160LD	MVM2334D-50	◆	1605	L1	0948M	25.36	319	88.0	W	29.0
Flange (IEC-B14)												
1.5/2	1425	D90LC	MVM3558C-50	◆	522	L1	3532M	14.66	54	80.0	P	3.2
2.2/3	1425	D100LC	MVM3611C-50	◆	645	L1	3628M	15.89	73	81.5	P	4.7
3.7/5	1450	D112MC	MVM3615C-50	◆	696	L1	3640M	17.39	93	84.0	P	7.8
5.5/7.5	1450	D132SC	MVM3710C-50	◆	883	L1	3729M	21.85	111	85.5	W	11.5
7.5/10	1460	D132MC	MVM3714C-50	◆	1079	L1	3744M	22.97	166	86.5	W	15.7

NOTE: Voltage @ 50 Hz: P= 230/400, W=400 volts DOL or Wye start, Delta-run.

See notes on pages 8 and 9, and inside back flap.

Custom IEC frame motors are available through 670 kW (900 Hp) in TEFC enclosures and 1120 kW (1500 Hp) in ODP/WPII enclosures.

Contact your local Baldor Sales Representative.

SHADED RATINGS ARE CAST IRON FRAMES

HVAC Motors

Farm Duty
Motors

Definite Purpose
Motors

Brake Motors

200 & 575 Volt
Motors

IEC Frame
Motors

50 Hertz
Motors

Inverter/Vector
Motors & Controls

DC Motors
and Controls

Soft Start &
Dynamic Brakes

**Single Phase - NEMA
Frame - TEFC and ODP,
Rigid Base****1/3 thru 5 Hp****NEMA 48 thru 213T****Applications:** Applications where only 50 hertz power is available. Motors are designed to be used at rated voltages with tolerance of $\pm 15\%$ on voltage.**Features:** Windings tied each end at every slot for rigidity. Ball bearings, high temperature insulation, copper windings.

Hp	RPM 50 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	
Totally Enclosed Fan Cooled - IP54												
1/3	1425	56	L3501-50	†*	290	K	3418L	11.35	25	59.0	J	3.2
1/2	2850	56	L3503-50		284	K	3420L	11.35	27	68.0	J	3.3
1/2	1425	48	L3409-50		331	K	3428L	12.23	32	62.0	J	3.6
1/2	1425	56	L3504-50		331	K	3428L	12.85	33	62.0	J	3.6
3/4	2850	56	L3506-50		318	K	3520L	12.25	35	62.0	J	4.6
3/4	1425	56	L3507-50		393	K	3524L	13.25	38	66.0	J	5.0
1	2850	56	L3509-50		370	K	3524L	13.25	40	68.0	J	6.3
1	1425	56	L3510-50		453	K	3532L	14.12	46	68.0	J	6.2
1 1/2	2850	56	L3513-50	†*	487	K	3532L	14.12	49	68.0	J	9.0
1 1/2	1425	56	L3514-50		512	K	3535LC	14.13	50	73.0	J	8.0
1 1/2	1425	145T	L3514T-50		512	L1	3535LC	14.18	50	73.0	J	8.0
2	2850	56	L3515-50	†*	634	K	3535LC	14.13	52	77.0	J	9.7
2	1425	182T	L3605T-50		725	L1	3634LC	16.56	78	81.0	J	10.0
3	1425	184T	L3609T-50	†*	853	L1	3646LC	18.06	95	84.5	J	12.5
5	1425	213T	L3708T-50	†*	1020	L1	3744LC	19.02	137	82.5	M	22.0
Open Drip Proof - IP22												
1/3	2850	48	L1205-50		214	K	3416L	9.13	22	64.9	J	2.6
1/3	1425	48	L1206-50		261	K	3418L	9.38	24	62.0	J	2.3
1/2	2850	48	L1208-50		236	K	3420L	9.75	26	68.0	J	3.3
1/2	1425	48	L1209-50		329	K	3424L	10.63	28	62.0	J	3.7
1/2	1425	56	L1304-50		298	K	3424L	11.01	29	62.0	J	3.7
3/4	2850	56	L1306-50		288	K	3424L	11.01	30	64.0	J	5.3
3/4	1425	56	L1307-50		369	K	3524L	12.07	38	66.0	J	5.0
1	2850	56	L1309-50		303	K	3432L	11.51	35	66.0	J	6.0
1	1425	56	L1318-50		449	K	3528L	12.07	42	68.0	J	6.5
1 1/2	2850	56	L1313-50		426	K	3528L	12.07	43	68.0	J	9.2
1 1/2	1425	56	L1319-50	†*	519	K	3528L	12.07	41	68.0	J	11.5
2	2850	56	L1317-50	◆	568	K	3532L	12.94	47	70.0	J	12.0
2	1425	182T	L1405T-50	◆	602	L1	3628L	15.00	65	69.0	J	14.0
3	1425	184T	L1408T-50		651	L1	3646LC	16.50	92	75.5	J	16.0
5	1425	213T	L1508T-50		1020	L1	3735LC	16.32	113	80.0	M	22.0

NOTE: Voltage @ 50 Hz: J = 110/220, M = 220. See notes on pages 8 and 9, and inside back flap.
IP22= Open Drip Proof, IP54 = Totally Enclosed Fan Cooled. For IEC Frame 50 Hz motors, see page 155.

All motors listed above are specifically designed for operation with 50 Hz. power. Three phase, 50 Hz. motors shown in this catalog are suitable for use on 400 volt or 415 volt 50 Hz. power supplies.

Three Phase - NEMA Frame - TEFC and ODP, Rigid Base



1/2 thru 60 Hp

NEMA 56 thru 364T

Applications: Applications where only 50 hertz power is available. Motors are designed to be used at rated voltages with tolerance of $\pm 15\%$ on voltage.

Features: Windings tied each end at every slot for rigidity. Ball bearings, high temperature insulation, copper windings.

Hp	RPM 50 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
Totally Enclosed Fan Cooled - IP54											
1/2	1425	56	M3538-50	310	K	3420M	11.35	25	74.0	K	1.0
3/4	2850	56	M3541-50	310	K	3413M	11.35	22	72.0	K	1.4
3/4	1425	56	M3542-50	332	K	3428M	12.85	32	75.5	K	1.4
1	2850	56	M3545-50	378	K	3420M	11.35	27	80.0	K	1.7
1	1425	143T	M3546T-50	387	L1	3520M	12.31	35	78.5	K	1.7
1 1/2	2850	143T	M3550T-50	439	L1	3520M	12.31	36	81.5	K	2.2
1 1/2	1425	145T	M3554T-50	393	L1	3524M	13.31	39	81.5	K	2.2
2	2850	145T	M3555T-50	482	L1	3524M	13.31	41	80.0	K	2.8
2	1425	145T	M3558T-50	415	L1	3532M	14.19	49	81.5	K	3.0
3	2850	182T	M3610T-50	615	L1	3535M	15.14	57	81.5	K	4.2
3	1425	182T	M3611T-50	488	L1	3628M	16.54	68	84.0	K	3.9
5	2850	184T	M3613T-50	708	L1	3634M	16.54	77	85.0	K	6.5
5	1425	184T	M3615T-50	563	L1	3640M	18.04	89	84.0	K	7.0
7 1/2	2850	213T	M3709T-50	1042	L1	3728M	17.89	116	86.5	K	9.8
7 1/2	1450	213T	M3710T-50	716	L1	3729M	17.89	117	85.5	K	10.4
10	2850	215T	M3711T-50	1091	L1	3733M	17.89	126	85.5	K	12.5
10	1450	215T	M3714T-50	871	L1	3742M	19.01	156	88.5	K	14.0
15	1460	254T	M2333T-50	1531	L1	0752M	21.07	236	88.5	K	21.0
20	1460	256T	M2334T-50	1848	L1	0948M	23.35	277	90.2	K	25.0
25	1450	284T	M4103T-50	2602	L1	1044M	27.76	391	89.5	K	34.0
30	1450	286T	M4104T-50	3076	L1	1056M	27.76	415	90.2	K	40.0
40	1465	324T	M4110T-50	4024	L1	1256M	30.28	580	91.7	K	49.0
50	1470	326T	M4115T-50	4369	L1	1268M	30.28	632	92.4	K	61.0
60	1465	364T	M4314T-50	5681	L1	1462M	32.84	799	92.4	K	75.0
Open Drip Proof - IP22											
1/2	1425	56	M3108-50	273	K	3420M	10.12	25	74.0	K	1.0
3/4	1425	56	M3112-50	304	K	3420M	10.12	26	72.0	K	1.8
1	1425	56	M3116-50	343	K	3516M	11.07	30	74.0	K	1.8
1	1425	143T	M3116T-50	346	L1	3520M	11.12	34	78.5	K	1.7
1 1/2	1425	145T	M3154T-50	368	L1	3520M	11.12	34	74.0	K	2.7
2	1425	145T	M3157T-50	378	L1	3528M	12.13	41	77.0	K	3.3
3	1425	182T	M3211T-50	432	L1	3623M	13.62	67	78.5	K	4.6
5	1425	184T	M3218T-50	478	L1	3640M	16.50	82	84.0	K	7.2
7 1/2	1425	213T	M3311T-50	678	L1	3735M	16.32	113	84.0	K	11.0
10	1425	215T	M3313T-50	829	L1	3740M	17.45	125	85.5	K	13.5
15	1450	254T	M2513T-50	1255	L1	3756M	20.51	192	87.5	K	21.5
20	1450	256T	M2515T-50	1616	L1	3938M	21.69	213	88.5	K	27.0

NOTE: IP22= Open Drip Proof, IP54 = Totally Enclosed Fan Cooled. For IEC Frame 50 Hz motors, see page 155. Voltage @ 50 Hz: K = 220/380/440. Wye-start, delta-run on 220 and 440 volt only. See notes on pages 8 and 9, and inside back flap.

M2513T-50 AND M2515T-50 conduit box location is at 12 o'clock and can be rotated.

SHADED RATINGS ARE CAST IRON FRAMES

All motors listed above are specifically designed for operation with 50 Hz. power. Three phase, 50 Hz. motors shown in this catalog are suitable for use on 400 volt or 415 volt 50 Hz. power supplies.

Single and Three Phase - 1/4 thru 2 Hp NEMA Frame - TEFC, C-Face, No Base

NEMA 56C thru 145TC

Applications: Pumps, fans, gear reducers, conveyors and many other applications with 50 Hz power supply. Motors designed to be used at rated voltage with tolerances of $\pm 15\%$.

Features: Heavy gauge steel frame construction, pressure cast aluminum end plates with machined steel bearing inserts for extended bearing life.



Hp	RPM 50 Hz.	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps	
Single Phase - IP54												
1/3	1425	56C	VL3501-50	†*	319	K	3418L	11.35	24	59.0	J	3.2
1/2	2850	56C	VL3503-50		289	K	3420L	11.35	25	68.0	J	3.3
1/2	1425	56C	VL3504-50		371	K	3428L	12.85	32	62.0	J	3.6
3/4	2850	56C	VL3506-50		334	K	3520L	12.25	35	62.0	J	4.6
3/4	1425	56C	VL3507-50		439	K	3524L	13.25	39	66.0	J	5.0
1	2850	56C	VL3509-50		392	K	3524L	13.25	40	68.0	J	6.3
1	1425	56C	VL3510-50		502	K	3532L	14.12	47	68.0	J	6.2
1 1/2	2850	56C	VL3513-50	†*	506	K	3532L	14.12	48	68.0	J	9.0
1 1/2	1425	56C	VL3514-50		568	K	3535LC	14.12	50	73.0	J	8.0
2	2850	56C	VL3515-50	†*	642	K	3535LC	14.12	52	77.0	J	9.7
Three Phase - IP54												
1/4	1425	56C	KM3454-50		250	K	3410M	11.35	18	63.0	K	0.7
1/3	1425	56C	VM3534-50		283	K	3413M	11.35	20	67.0	K	0.7
1/2	2850	56C	VM3537-50		308	K	3413M	11.35	23	75.5	K	1.0
1/2	1425	56C	VM3538-50		332	K	3420M	11.35	25	74.0	K	1.0
3/4	2850	56C	VM3541-50		321	K	3413M	11.35	22	72.0	K	1.4
3/4	1425	56C	VM3542-50		356	K	3428M	12.85	32	75.5	K	1.4
1	2850	56C	VM3545-50		381	K	3420M	11.35	26	80.0	K	1.7
1	1425	143TC	VM3546T-50		378	L1	3520M	12.31	35	78.5	K	1.7
1 1/2	2850	143TC	VM3550T-50		415	L1	3520M	12.31	36	81.5	K	2.2
1 1/2	1425	145TC	VM3554T-50	†*	392	L1	3524M	13.31	39	81.5	K	2.2
2	2850	145TC	VM3555T-50		454	L1	3524M	13.31	41	80.0	K	2.8
2	1425	145TC	VM3558T-50	†*	417	L1	3532M	14.19	49	81.5	K	3.0

NOTE: Voltage @ 50 Hz: J = 110/220, K = 220/380/440. Wye-start, delta-run on 220 and 440 volt only. See notes on pages 8 and 9, and inside back flap.
IP54 = Totally Enclosed Fan Cooled. For IEC Frame 50 Hz motors, see page 155.

All motors listed above are specifically designed for operation with 50 Hz. power. Three phase, 50 Hz. motors shown in this catalog are suitable for use on 400 volt or 415 volt 50 Hz. power supplies.

Single and Three Phase - 1/3 thru 2 Hp NEMA Frame - Explosion Proof, C-Face with Base

NEMA 56C thru 182TC

Applications: Pumps, blowers, valves.

Features: Corrosion resistant epoxy finish. Positively locked drive end bearing. UL approved cast conduit box, standard. 1.00 Service Factor. UL and CSA approved for Class I, Group D or Class II, Group F & G. Rated for ±15% voltage variation.



Hp	RPM 50 Hz.	NEMA Frame	Catalog Number		List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Eff @ Full Load	Volt Code	Full Load Amps
Single Phase - IP54												
1/3	1425	56C	CL5001A-50	◆⑧	636	K	X3421L	14.22	35	59.5	J	2.6
1/2	1425	56C	CL5004A-50	◆⑧	637	K	X3428L	15.22	43	62.0	J	3.6
3/4	1425	56C	CL5007A-50	◆⑦	740	K	X3528L	15.17	52	70.0	J	4.8
1	1425	56C	CL5023-50	◆⑧	782	K	X3532L	16.05	57	68.0	J	6.2
2	1425	182TC	CL5027T-50	◆①	1736	L1	X3646L	20.36	117	77.0	J	11.5
Three Phase - IP54												
1/2	1425	56C	CM7006-50	◆⑧	693	K	X3420M	14.22	37	74.0	K	1.0
3/4	1425	56C	CM7010-50	◆⑧	709	K	X3428M	15.22	43	75.5	K	1.4
1	2850	56C	CM7013-50	◆⑧	717	K	X3420M	14.22	36	80.0	K	1.7
1	1425	56C	CM7014-50	◆⑧	759	K	X3432M	15.22	45	74.0	K	1.8
1 1/2	2850	143TC	CM7018T-50	◆⑧	815	L1	X3520M	14.36	46	81.5	K	2.2
1 1/2	1425	143TC	CM7034T-50	◆⑧	836	L1	X3524M	15.23	51	81.5	K	2.2
2	2850	145TC	CM7071T-50	◆⑧	844	L1	X3524M	15.23	52	80.0	K	2.8
2	1425	145TC	CM7037T-50	◆⑧	903	L1	X3532M	16.10	58	81.5	K	3.0

NOTE: Voltage @ 50 Hz: J = 110/220, K = 220/380/440. Wye-start, delta-run on 220 and 440 volt only. See notes on pages 8 and 9, and inside back flap.

① = Class I, Group D only, T2C.

⑦ = Class I, Group D, Class II, Group F & G, T4.

⑧ = Class I, Group D, Class II, Group F & G, T3C.

For IEC Frame 50 HZ motors, see page 155.

CAUTION: Explosion-proof motors have a tight fit between mating parts to ensure the integrity of the explosion-proof enclosure. This can lead to an accumulation of moisture inside the motors due to condensation. Care should be used when selecting an explosion-proof motor, especially when installed outdoors and on intermittent duty. See notes on page 8.

These explosion-proof motors are not suitable for use with adjustable speed drives. Inverter Duty explosion proof motors must be used. See page 165.

AC Motor Adjustable Speed Range Capabilities

Inverter Drive® and Vector Drive® Motors

Baldor Inverter Drive® and Vector Drive® Motors exceed all requirements of NEMA MG-1 Parts 30 and 31 for AC induction motors powered from adjustable speed controls. Definite-Purpose Inverter-Fed Polyphase Motors, as defined for Inverter Drive Motors are suitable for variable torque applications and rated 1000:1 for constant torque (except for those Inverter Duty motors rated for use in hazardous locations). Vector Drive motors are capable of full, rated torque at 0 RPM, continuous duty. Satisfactory motor performance depends on proper drive setup.

It is necessary that motor-drive applications are commissioned by persons familiar with the operation and setup of adjustable speed drives, applicable electrical codes and any other regulations. Each drive must be tuned to the motor for the specific application. System operating parameters must be checked, including voltage at motor power leads, to insure that motor/drive set up has been successfully completed. Applications that are not properly set up can lead to substandard performance and failure of system components.

Super-E® Motors

All Baldor Super-E motors are Inverter-Ready and meet NEMA MG 1 Part 31.4.4.2. Super-E motors are suitable for use with inverter drives in applications with variable torque and with a constant torque 20:1 speed range except as noted below. Motor-



inverter setup is unique to each specific application. Setup and correct wiring procedures must be closely followed.

Standard-E® Motors

Baldor Standard-E® EPAct efficient motors are suitable for use in adjustable speed applications per NEMA MG 1 Part 30. With proper motor-inverter setup, Standard-E motors are suitable for use at 20:1 variable torque and 4:1 constant torque applications.

Note: Use of explosion proof motors with inverters should be limited to Inverter-Duty Explosion proof motors only.

Baldor Super-E Motors 230, 460 and 575 Volts

Family	Frame Size	Constant Torque	Variable Torque	Comments
EM (TEFC)	143 – 365	20:1	20:1	General Purpose Premium Efficiency
	404 – 449	10:1	20:1	
EM (ODP)	143 – 445	20:1	20:1	General Purpose Premium Efficiency
	404 – 449	10:1	20:1	
ECP	143 – 365	20:1	20:1	Severe Duty Premium Efficiency
	404 – 449	10:1	20:1	
ECP8 (IEEE841)	143 – 365	20:1	20:1	Severe Duty Premium Efficiency May not meet temp rise as specified in IEEE841 when used with ASD.
	404 – 449	10:1	20:1	
EWDM	143 - 215	20:1	20:1	Washdown Duty Premium Efficiency

Baldor Standard-E Motors 230, 460 and 575 Volts

Family	Frame Size	Constant Torque	Variable Torque	Comments
M (TEFC)	143 – 5009	4:1	20:1	General Purpose
M (ODP)	143 – 5009	4:1	20:1	General Purpose
CP	143 – 405	4:1	20:1	Severe Duty
WDM	56 - 215	4:1	20:1	Washdown Duty

Baldor Inverter Duty and Vector Duty Motors 230, 460 and 575 Volts

Family	Frame Size	Constant Torque	Variable Torque	Comments
IDM (TEBC)	143 – 5009	1000:1	1000:1	Inverter Duty/Blower cooled
IDNM (TENV)	143 - 256	1000:1	1000:1	Inverter Duty/Non-Vented
ZDM (TEBC)	143 – 5009	1000:1	1000:1	Vector Duty/Blower Cooled
ZDNM (TENV)	143 - 256	1000:1	1000:1	Vector Duty/Non Vented
IDXN (2 families)	182 – 405	2:1	10:1	Explosion Proof Inverter Duty
	56 - 405	10:1	10:1	
IDWNM	143 - 254	20:1	1000:1	Washdown Duty Inverter Duty/Non Vented
ZDWNM	143 - 254	1000:1	1000:1	Washdown Duty Vector Duty/Non Vented

Three Phase - Inverter - 1/3 thru 200 Hp TEBC and TENV, C-Face with Base

NEMA 56C thru 447T



Applications: Conveyors, pumps, fans, metal processing, compressors, test stands, and material handling equipment.

Features: Designed for inverter or vector applications where up to a 1000:1 constant torque speed range is required. Compatible with optional encoder feedback devices for use in closed loop velocity or position control. Meets NEMA MG 1, Part 31.

Encoder has mating connector.

1000:1 Constant Torque Speed Range

Hp	RPM 60 Hz.	Max. RPM	NEMA Frame	Catalog Number		List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Volt Code	Full Load Amps
1/3	1725	6000	56C	IDNM3534	◆□†	335	E2	3513M	13.84	29	F	0.6
1/2	1725	6000	56C	IDNM3538	◆□†	392	E2	3516M	13.84	32	F	0.8
3/4	1725	6000	56C	IDNM3542	◆□†	437	E2	3520M	13.84	35	F	1.1
1	1725	6000	143TC	IDNM3581T	◆□†	893	E2	0524M	14.65	59	F	1.6
1	1750	6000	143TC	IDM3581T	◆††	1179	E2	0524M	19.15	64	F	1.4
1	1750	6000	143TC	IDM3581T-5	◆††	1179	E2	0524M	19.15	64	H	1.1
1	1150	6000	145TC	IDM3582T	◆††	1385	E2	0528M	19.15	67	F	1.8
1 1/2	1725	6000	145TC	IDNM3584T	◆□†	984	E2	0532M	14.65	66	F	2.1
1 1/2	1750	6000	145TC	IDM3584T	◆††	1247	E2	0528M	19.15	67	F	2.1
1 1/2	1750	6000	145TC	IDM3584T-5	◆††	1247	E2	0528M	19.15	66	H	1.7
1 1/2	1160	6000	182TC	IDM3667T	◆††	1557	E2	0632M	21.71	111	F	2.6
2	1725	6000	182TC	IDNM3669T	◆□†	1195	E2	0628M	17.21	95	F	2.9
2	1740	6000	145TC	IDNM3587T	◆□†	1029	E2	0535M	14.65	64	F	2.7
2	1750	6000	145TC	IDM3587T	◆††	1333	E2	0535M	19.15	73	F	2.5
2	1750	6000	145TC	IDM3587T-5	◆††	1333	E2	0535M	19.15	71	H	2
2	1160	6000	184TC	IDM3664T	◆††	1600	E2	0640M	21.71	121	F	3.6
3	1750	6000	184TC	IDNM3661T	◆□†	1349	E2	0634M	17.21	105	F	4
3	1760	6000	184TC	IDM3661T	◆††	1704	E2	0628M	21.71	108	F	4
3	1760	6000	184TC	IDM3661T-5	◆††	1704	E2	0628M	21.71	109	H	3.2
3	1160	6000	213TC	IDM3764T	◆††	2093	E2	0730M	29.14	172	F	5
5	1760	6000	184TC	IDNM3665T	◆□†	1504	E2	0640M	17.21	115	F	6.6
5	1760	6000	213TC	IDNM3767T	◆□†	1677	E2	0735M	20.40	166	F	6.7
5	1750	6000	184TC	IDM3665T	◆††	1803	E2	0640M	21.71	123	F	6.5
5	1750	6000	184TC	IDM3665T-5	◆††	1803	E2	0640M	21.71	125	H	5.2
5	1160	6000	215TC	IDM3768T	◆††	2563	E2	0740M	29.14	200	F	8
7 1/2	1765	5000	254TC	IDNM2237T	◆□†	2086	E2	0932M	24.05	238	F	9.1
7 1/2	1760	6000	213TC	IDM3770T	◆††	2173	E2	0730M	29.14	176	F	9.8
7 1/2	1760	6000	213TC	IDM3770T-5	◆††	2173	E2	0734M	30.07	185	H	7.8
7 1/2	1760	6000	213TC	IDNM3770T	◆□†	1740	E2	0750M	20.40	196	F	10.1
7 1/2	1180	5000	254TC	IDM2276T	◆††	3685	E2	0954M	33.07	286	F	10.7
10	1770	5000	256TC	IDNM2238T	◆□†	2183	E2	0948M	24.05	281	F	13
10	1760	6000	215TC	IDM3774T	◆††	2328	E2	0750M	29.14	219	F	12.5
10	1760	6000	215TC	IDM3774T-5	◆††	2328	E2	0750M	30.07	196	H	10
10	1180	5000	256TC	IDM2332T	◆††	4502	E2	0960M	33.07	328	F	14.2
15	1765	5000	254TC	IDNM2333T	◆□†	2248	E2	0948M	24.05	286	F	18.5
15	1765	5000	256TC	IDM2333T	◆††	2531	E2	0936M	33.07	139	F	18.5
15	1765	5000	256TC	IDM2333T-5	◆††	2531	E2	0936M	34.15	255	H	14.8
15	1180	4000	284T	IDM4100T	◆††	5338	E2	1054M	36.48	422	F	19.7

NOTE: Voltage @ 60 Hz: F= 230/460, H=575. See notes on pages 8 and 9, and inside back flap.

Constant velocity fan: 115 volts, single phase from 143TC through 184TC and all 575 volt drive motors.

Constant velocity fan: 230/460, three phase from 213TC through 447T.

Consult District Office for availability of 2 pole motors and C-Face motors for 284T through 5009L frames..

284T-447T motors are horizontal mount, no C-Face. May be converted to C-Face in Mod Express or built as custom motors.

SHADED RATINGS ARE CAST IRON FRAMES

HVAC Motors

Farm Duty
Motors

Definite Purpose
Motors

Brake Motors

200 & 575 Volt
Motors

IEC Frame
Motors

50 Hertz
Motors

Inverter/Vector
Motors & Controls

DC Motors
and Controls

Soft Start &
Dynamic Brakes

Three Phase - Inverter - TEBC and TENV, C-Face with Base continued... 1000:1 Constant Torque Speed Range

Hp	RPM 60 Hz.	Max. RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Volt Code	Full Load Amps
20	1780	5000	284T	IDNM2334T	3107	E2	1056M	27.36	437	F	25.5
20	1765	5000	256TC	IDM2334T	2704	E2	0948M	33.07	286	F	24
20	1765	5000	256TC	IDM2334T-5	2704	E2	0948M	34.15	286	H	19
20	1175	4000	286T	IDM4102T	6010	E2	1060M	36.48	451	F	26
25	1770	4000	286T	IDM4103T	3334	E2	1046M	36.48	431	F	30
25	1180	3500	324T	IDM4111T	6850	E2	1248M	39.24	537	F	32
30	1780	4000	286T	IDM4104T	3825	E2	1056M	36.48	467	F	36
30	1180	3800	326T	IDM4117T	7623	E2	1254M	39.24	578	F	38
40	1775	3900	324T	IDM4110T	5172	E2	1256M	39.24	627	F	47
40	1185	3600	364T	IDM4308T	8769	E2	1464M	41.58	767	F	49
50	1775	3900	326T	IDM4115T	5806	E2	1262M	39.24	686	F	57
50	1185	3600	365T	IDM4312T	10111	E2	1474M	41.58	855	F	61
60	1780	3600	364T	IDM4314T	6696	E2	1462M	41.58	808	F	69
60	1185	2800	404T	IDM4403T	11849	E2	1662M	46.68	1196	F	72
75	1780	3600	365T	IDM4316T	7800	E2	1482M	41.58	842	F	84
75	1185	2800	405T	IDM4404T	13799	E2	1680M	46.68	1172	F	88
100	1780	2800	404T	IDM4400T-4	12573	E2	1684M	46.68	1232	G	109
100	1180	2400	444T	IDM4409T-4	13783	E2	1888M	51.98	1672	G	120
125	1780	2400	444T	IDM4410T-4	15846	E2	1868M	51.98	1522	G	139
150	1785	2400	445T	IDM4406T-4	17949	E2	1888M	51.98	1630	G	173
200	1785	2400	447T	IDM4407T-4	20568	E2	18136M	55.49	1904	G	224

NOTE: Voltage @ 60 Hz: F= 230/460, G= 460.

SHADED RATINGS ARE CAST IRON FRAMES

(1) Includes 1024 ppr encoder. Constant velocity fan: 115 volts, single phase from 143TC through 184TC and all

575 volt drive motors. Constant velocity fan: 230/460 three phase from 213TC through 447T.

Consult District Office for availability of 2 pole motors.

284T-447T motors are horizontal mount, no C-Face. May be converted to C-Face in Mod Express or built as custom motors.

HVAC Motors

Farm Duty
Motors

Definite Purpose
Motors

Brake Motors

200 & 575 Volt
Motors

IEC Frame
Motors

50 Hertz
Motors

Inverter/Vector
Motors & Controls

DC Motors
and Controls

Soft Start &
Dynamic Brakes

Three Phase - Inverter Washdown - TENV, C-Face with Base

1 thru 10 Hp

NEMA 143TC thru 254TC



Applications: Conveyors, pumps and other equipment in food processing and other wet environments.

Features: Designed for inverter or vector applications where up to a 1000:1 constant torque speed range is required. Compatible with optional HS25 encoder feedback devices shown on page 169 for use in closed loop velocity or position control. Meets NEMA MG 1, Part 31.

1000:1 Constant Torque Speed Range

Hp	RPM 60 Hz.	Max. RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Volt Code	Full Load Amps
1	1750	6000	143TC	IDWNM3546T	1052	E2	3524M	14.90	39	F	1.4
1 1/2	1750	6000	145TC	IDWNM3554T	1159	E2	3535M	15.78	53	F	2.1
2	1725	6000	182TC	IDWNM3609T	1277	E2	3628M	17.77	69	F	2.9
3	1750	6000	184TC	IDWNM3611T	1392	E2	3634M	17.77	80	F	4
5	1760	6000	213TC	IDWNM3707T	1575	E2	3732M	19.84	122	F	6.7
7 1/2	1765	5000	254TC	IDWNM22937T	2441	E2	3940M	23.92	242	F	9.1
10	1765	5000	254TC	IDWNM22938T	2859	E2	3956M	23.92	291	F	12

NOTE: Voltage @ 60 Hz: F = 230/460 volts. Use HS25 encoder kit when using optional encoder on page 169. See notes on pages 8 and 9, and inside back flap.

Inverter Gear Motor - 3/8 Hp Right Angle and Parallel Shaft -TEFC



Applications: Ideally suited for conveyors, material handling, packaging equipment applications requiring adjustable speed and no maintenance. Available in a broad range of gear ratios to meet your demanding application needs.

Features: ISR (Inverter Spike Resistant) magnet wire for increased protection against voltage spikes and corona damage. IP44 environmental protection. Designed for use on Baldor Series 15J, 15P and Series 5 Inverters operating on 230 volts output. Both Parallel shaft and Right Angle gearmotors are lubricated for life and require no routine maintenance. Right Angle gearmotors feature our internal oil expansion bladder which eliminates the need for a breather while allowing the gearmotor to be mounted in any position (see note below).

Input Motor Hp	Output RPM 60 Hz.	Gear Ratio	Speed Range	Maximum Safe Torque In-Lbs @ 60 Hz	Catalog Number	List Price	Mult. Sym.	Motor Type & Gear Style	Ap'x. Shpg. Wgt.	Volt Code	Full Load Amps
Right Angle											
3/8	22	75	3.4-33	315	IDGM2509	590	E2	2528M-K	22	C	1.5
3/8	28	60	4.5-41	252	IDGM2508	590	E2	2528M-K	22	C	1.5
3/8	41	40	6.6-62	228	IDGM2506	590	E2	2528M-K	22	C	1.5
3/8	83	20	12-123	138	IDGM2503	590	E2	2528M-K	22	C	1.5
3/8	165	10	23-246	105	IDGM2501	590	E2	2528M-K	22	C	1.5
3/8	330	5	43-490	68	IDGM2500	590	E2	2528M-K	22	C	1.5
Parallel Shaft											
3/8	55	30	8.0-82	350	IDGMP2505	572	E2	2528M-PSLH	20	C	1.5
3/8	83	20	12-123	233	IDGMP2503	539	E2	2528M-PSLH	20	C	1.5
3/8	165	10	23-246	116	IDGMP2501	539	E2	2528M-PSLH	20	C	1.5
3/8	330	5	43-490	58	IDGMP2500	539	E2	2528M-PSLH	20	C	1.5

NOTE: Avoiding those positions where the high speed oil seal is immersed in oil, will provide greater security against seal wear. Vertical motor below gearbox mounting is possible with modification, contact Baldor for details. Voltage: @ 60 Hz: C = 230 volts

BALDOR

Inverter Drive®/Vector Drive® Motors & Controls

Three Phase - Inverter Ready, Paint Free Washdown - TEFC and TENV, C-Face

1/2 thru 10 Hp

NEMA 56C thru 215TC

Applications: Conveyors, Pumps and other equipment in food processing and severe environments where motors are “washed” on a regular basis.

Features: Includes all the advantages of our standard “Paint Free” washdown duty motors. Specifically designed and built for use on adjustable speed drives. For adjustable speed applications not requiring full torque at zero speed. Not encoder adaptable. Meets NEMA MG 1, part 31.



Hp	RPM 60 Hz.	Max. RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Volt Code	Full Load Amps
C-Face with Base											
1/2	1750	6000	56C	IDCSWDM3538	◆□++	1052	E2	3516M	11.07	32	0.8
3/4	1750	6000	56C	IDCSWDM3542	◆□++	1192	E2	3524M	12.07	39	1
1	1740	3600	56C	IDCSWDM3546	◆□++	1238	E2	3524M	12.07	39	1.4
1	1740	3600	143TC	IDCSWDM3546T	◆□++	1238	E2	3524M	12.12	42	1.4
1 1/2	1750	4000	56C	IDCSWDM3554	◆++	1324	E2	3528M	13.30	45	2.1
1 1/2	1750	4000	145TC	IDCSWDM3554T	◆++	1324	E2	3528M	13.30	47	2.1
2	1750	3600	56C	IDCSWDM3558	◆++	1414	E2	3535M	14.12	48	2.5
2	1750	3600	145TC	IDCSWDM3558T	◆++	1414	E2	3535M	14.18	52	2.5
3	1760	6000	182TC	IDCSWDM3611T	◆++	1551	E2	3628M	16.56	78	4
5	1750	6000	184TC	IDCSWDM3615T	◆++	1805	E2	3640M	18.06	93	6.5
7 1/2	1760	6000	213TC	IDCSWDM3710T	◆++	2734	E2	3740M	19.81	140	10
10	1760	6000	215TC	IDCSWDM3714T	◆++	3126	E2	3750M	21.31	158	12.4
C-Face less Base											
1/2	1750	6000	56C	IDVSWDM3538	◆□++	1044	E2	3516M	11.07	29	0.8
3/4	1750	6000	56C	IDVSWDM3542	◆□++	1187	E2	3524M	12.07	36	1
1	1740	3600	56C	IDVSWDM3546	◆□++	1232	E2	3524M	12.07	39	1.4
1	1740	3600	143TC	IDVSWDM3546T	◆□++	1232	E2	3524M	12.12	39	1.4
1 1/2	1750	4000	56C	IDVSWDM3554	◆++	1317	E2	3528M	13.24	42	2.1
1 1/2	1750	4000	145TC	IDVSWDM3554T	◆++	1317	E2	3528M	13.30	46	2.1
2	1750	3600	56C	IDVSWDM3558	◆++	1402	E2	3535M	14.12	49	2.5
2	1750	3600	145TC	IDVSWDM3558T	◆++	1402	E2	3535M	14.18	52	2.5
3	1760	6000	182TC	IDVSWDM3611T	◆++	1538	E2	3628M	16.56	73	4
5	1750	6000	184TC	IDVSWDM3615T	◆++	1793	E2	3640M	18.06	92	6.5

NOTE: Voltage @ 60 Hz: E = 208-230/460 volts, F = 230/460 volts.

HVAC Motors

Farm Duty Motors

Definite Purpose Motors

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Start & Dynamic Brakes

Three Phase - Inverter, Explosion Proof - TEFC, Class I, Group D



1/2 thru 75 Hp

NEMA 56C thru 405T

Applications: Designed for use in hazardous locations with Inverters.

Features: UL and CSA approved for hazardous locations. 1/2 through 2 Hp Class I, Group D, Class II, Groups F & G, Temperature Code T3C (160°C). 3 Hp and larger, Class I, Group D only, Temperature Code T2B (280°C). Class F insulation, ISR (Inverter Spike Resistant) magnet wire, 1.0 service factor, thermostats. All ratings constant horsepower 60 to 90 Hz. Not encoder adaptable. Meets NEMA MG 1, part 31.

Hp	RPM 60 Hz.	Max. RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	“C” Dimension	Ap'x. Shpg. Wgt.	Volt Code	Full Load Amps	
2:1 Constant Torque, 10:1 Variable Torque Ratings												
3	1760	2700	182TC	IDXM7142T	†◆ (6)	1165	E2	X0628M	18.24	144	F	4
5	1750	2700	184TC	IDXM7144T	†◆ (6)	1385	E2	X0640M	18.24	158	F	6.5
7 1/2	1760	2700	213TC	IDXM7147T	†◆ (6)	1741	E2	X0734M	20.69	228	F	9.5
10	1760	2700	215TC	IDXM7170T	†◆ (6)	2389	E2	X0750M	20.69	196	E	12.5
15	1765	2700	254TC	IDXM7054T	†◆ (6)	2736	E2	X0942M	26.00	356	F	18
20	1765	2700	256TC	IDXM7056T	†◆ (6)	3550	E2	X0952M	26.00	393	F	24
25	1780	2700	284T	IDXM7058T	†◆ (6)	4206	E2	X1050M	28.61	494	F	30.5
30	1780	2700	286T	IDXM7060T	†◆ (6)	5131	E2	X1056M	28.61	555	F	36
40	1775	2700	324T	IDXM7062T	†◆ (6)	6873	E2	X1260M	32.12	782	F	46
50	1775	2700	326T	IDXM7064T	†◆ (6)	7996	E2	X1266M	32.12	772	F	57
60	1780	2700	364T	IDXM7066T	†◆ (6)	9130	E2	X1462M	33.25	1006	F	69
75	1780	2700	405T	IDXM7068T (1)	†◆ (6)	10121	E2	X1666M	38.75	1369	F	85
10:1 Constant Torque and Variable Torque Ratings												
1/2	1750	2700	56C	IDXM7006	†◆ (8)	829	E2	X3516M	14.30	42	F	0.8
3/4	1750	2700	56C	IDXM7010	†◆ (8)	848	E2	X3520M	14.30	46	F	1.1
1	1750	2700	143TC	IDXM7014T	†◆ (8)	945	E2	X3524M	15.23	50	F	1.4
1 1/2	1750	2700	145TC	IDXM7034T	†◆ (8)	979	E2	X3528M	15.23	53	F	2.1
2	1750	2700	145TC	IDXM7037T	†◆ (8)	1070	E2	X3540M	17.48	67	F	2.6
3	1760	2700	182TC	IDXM7542T	†◆ (6)	1222	E2	X0628M	18.24	144	F	4
5	1760	2700	213TC	IDXM7544T	†◆ (6)	1780	E2	X0729M	20.65	212	F	6.3
7 1/2	1760	2700	215TC	IDXM7547T	†◆ (6)	2503	E2	X0734M	20.65	225	F	9.5
10	1770	2700	254TC	IDXM7570T	†◆ (6)	2802	E2	X0948M	26.00	378	F	13
15	1765	2700	256TC	IDXM7554T	†◆ (6)	3634	E2	X0948M	26.00	381	F	17
20	1760	2700	284T	IDXM7556T	†◆ (6)	4407	E2	X1044M	28.61	516	F	24.5
25	1775	2700	324T	IDXM7558T	†◆ (6)	5307	E2	X1246M	32.12	705	F	30
30	1775	2700	326T	IDXM7560T	†◆ (6)	6176	E2	X1256M	32.12	731	F	35
40	1780	2700	364T	IDXM7562T	†◆ (6)	6909	E2	X1452M	33.25	913	F	46
50	1780	2700	365T	IDXM7564T	†◆ (6)	8619	E2	X1458M	33.25	971	F	61
60	1780	2700	405T	IDXM7566T	†◆ (6)	10209	E2	X1666M	38.75	1341	F	69

NOTE: Voltage @ 60 Hz: E = 208-230/460 volts, F = 230/460.

(1) Horizontal mount, rigid base (non c-face).

◆ Class I, Group D only, T2B.

⑧ Class I, Group D; Class II, Group F and G, T3C.

SHADED RATINGS ARE CAST IRON FRAMES

Three Phase - Vector - TEBC and TENV, C-Face



1 thru 200 Hp

NEMA 56C thru 447T

Applications: Test stands, material handling, packaging equipment, printing presses, etc.

Features: Applications requiring adjustable speed operation with full torque from zero to base speed and constant horsepower to maximum speed. Includes HS25 or HS35 encoder feedback with MS connector. Meets NEMA MG 1, part 31.

Full Torque at Zero Speed, 1000:1 Constant Torque Speed Range, includes 1024 Line Count Encoder

Hp	RPM 60 Hz.	Max. RPM	NEMA Frame	Catalog Number		List Price	Mult. Sym.	Type	“C” Dimension	Ap’x. Shpg. Wgt.	Volt Code	Full Load Amps
1	1725	6000	143TC	ZDNM3581T	◆□++	1951	E2	0524M	14.65	59	F	1.6
1	1750	6000	143TC	ZDM3581T	◆++	2236	E2	0524M	19.15	65	F	1.4
1	1750	6000	143TC	ZDM3581T-5	◆++	2236	E2	0524M	19.15	64	H	1.1
1	1150	6000	143TC	ZDM3582T	◆++	2442	E2	0528M	19.15	69	F	1.8
1 1/2	1725	6000	145TC	ZDNM3584T	◆□++	2041	E2	0532M	14.65	65	F	2.1
1 1/2	1750	6000	145TC	ZDM3584T	◆++	2304	E2	0528M	19.15	68	F	2.1
1 1/2	1750	6000	145TC	ZDM3584T-5	◆++	2304	E2	0528M	19.15	68	H	1.7
1 1/2	1160	6000	182TC	ZDM3667T	◆++	2615	E2	0632M	21.71	110	F	2.6
2	1725	6000	182TC	ZDNM3669T	◆□++	2252	E2	0628M	17.21	94	F	2.9
2	1750	6000	145TC	ZDM3587T	◆++	2390	E2	0535M	19.15	72	F	2.5
2	1750	6000	145TC	ZDM3587T-5	◆++	2390	E2	0535M	19.15	73	H	2
2	1160	6000	184TC	ZDM3664T	◆++	2658	E2	0640M	21.71	123	F	3.6
3	1750	6000	184TC	ZDNM3661T	◆□++	2407	E2	0634M	17.21	108	F	4
3	1760	6000	182TC	ZDM3661T	◆++	2761	E2	0628M	21.71	109	F	4
3	1760	6000	182TC	ZDM3661T-5	◆++	2761	E2	0628M	21.71	109	H	3.2
3	1160	6000	213TC	ZDM3764T	◆++	3150	E2	0730M	29.14	174	F	5
5	1770	6000	213TC	ZDNM3767T	◆□++	2734	E2	0734M	20.40	167	F	6.7
5	1750	6000	184TC	ZDM3665T	◆++	2860	E2	0640M	21.71	125	F	6.5
5	1750	6000	184TC	ZDM3665T-5	◆++	2860	E2	0640M	21.71	123	H	5.2
5	1160	6000	215TC	ZDM3768T	◆++	3620	E2	0740M	29.14	200	F	8
7 1/2	1765	5000	256TC	ZDNM2237T	◆□++	3144	E2	0932M	24.05	250	F	9.1
7 1/2	1760	6000	213TC	ZDM3770T	◆++	3230	E2	0730M	29.14	177	F	9.9
7 1/2	1760	6000	213TC	ZDM3770T-5	◆++	3230	E2	0734M	30.07	169	H	7.8
7 1/2	1180	5000	254TC	ZDM2276T	◆++	4743	E2	0954M	33.07	282	F	10.7
10	1770	5000	256TC	ZDNM2238T	◆□++	3241	E2	0948M	24.05	289	F	13
10	1760	6000	215TC	ZDM3774T	◆++	3385	E2	0750M	29.14	196	F	12.5
10	1760	6000	215TC	ZDM3774T-5	◆++	3385	E2	0750M	30.07	196	H	10
10	1180	5000	256TC	ZDM2332T	◆++	5560	E2	0960M	33.07	324	F	14.2
15	1765	5000	254TC	ZDNM2333T	◆□++	3306	E2	0948M	24.05	286	F	18.5
15	1765	5000	256TC	ZDM2333T	◆++	3588	E2	0936M	33.07	236	F	18.5
15	1765	5000	256TC	ZDM2333T-5	◆++	3588	E2	0936M	34.15	310	H	14.8
15	1180	4000	284T	ZDM4100T	◆++	6395	E2	1054M	36.48	426	F	18.7
20	1780	5000	284T	ZDNM2334T	◆□++	4165	E2	1056M	27.36	437	F	25.5
20	1765	5000	256TC	ZDM2334T	◆++	3762	E2	0948M	33.07	286	F	24
20	1765	5000	256TC	ZDM2334T-5	◆++	3762	E2	0948M	34.15	286	H	19
20	1175	4000	286T	ZDM4102T	◆++	7068	E2	1060M	36.48	476	F	25
25	1770	4000	284T	ZDM4103T	◆++	4391	E2	1046M	36.48	432	F	30
25	1180	3900	324T	ZDM4111T	◆++	7908	E2	1248M	39.24	619	F	32
30	1780	4000	286T	ZDM4104T	◆++	4883	E2	1056M	36.48	458	F	36
30	1180	3900	326T	ZDM4117T	◆++	8681	E2	1254M	39.24	654	F	38

NOTE: Voltage @ 60 Hz: F = 230/460, H = 575. See notes on pages 8 and 9, and inside back flap.
Constant velocity fan: 115 volts, single phase from 143TC through 184TC and all 575 volt drive motors.
Constant velocity fan: 230/460, three phase from 213TC through 447T.

284T-447T motors are horizontal mount, no C-Face. May be converted to C-Face in Mod Express or built as custom motors.

SHADED RATINGS ARE CAST IRON FRAMES

Three Phase - Vector - TEBC and TENV, C-Face continued...

Full Torque at Zero Speed

1000:1 Constant Torque Speed Range

includes 1024 Line Count Encoder

Hp	RPM 60 Hz.	Max. RPM	NEMA Frame	Catalog Number		List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Volt Code	Full Load Amps
40	1775	3900	324T	ZDM4110T	◆++	6229	E2	1256M	39.24	578	F	47
40	1185	3600	364T	ZDM4308T	◆++	9826	E2	1464M	41.58	780	F	49
50	1775	3900	326T	ZDM4115T	◆++	6863	E2	1262M	39.24	679	F	57
50	1185	3600	365T	ZDM4312T	◆++	11169	E2	1474M	41.58	823	F	61
60	1780	3600	364T	ZDM4314T	◆++	7753	E2	1462M	41.58	808	F	69
60	1185	2800	404T	ZDM4403T	◆++	12906	E2	1662M	46.68	1152	F	72
75	1780	3600	365T	ZDM4316T	◆++	8857	E2	1482M	41.58	842	F	84
75	1185	2800	405T	ZDM4404T	◆++	14856	E2	1680M	46.68	1172	F	88
100	1780	2800	405T	ZDM4400T-4	◆++	13631	E2	1684M	46.68	1251	G	109
100	1180	2400	444T	ZDM4409T-4	◆++	14840	E2	1888M	51.98	1550	G	120
125	1780	2400	444T	ZDM4410T-4	◆++	16904	E2	1868M	51.98	1550	G	139
150	1785	2400	445T	ZDM4406T-4	◆++	19007	E2	1888M	51.98	1630	G	173
200	1785	2400	447T	ZDM4407T-4	◆++	21625	E2	18136M	55.49	2111	G	224

NOTE: Voltage @ 60 Hz: F= 230/460, G= 460. Consult District Office for availability of 2 pole motors.
Constant velocity fan: 115 volts, single phase from 143TC through 184TC and all 575 volt drive motors. Constant velocity fan: 230/460, three phase from 213TC through 447T.

284T-447T motors are horizontal mount, no C-Face. May be converted to C-Face in Mod Express or built as custom motors. See notes on pages 8 and 9, and inside back flap.

SHADED RATINGS ARE CAST IRON FRAMES

Three Phase - Vector, Washdown - TENV, C-Face with Base



1 thru 10 Hp

NEMA 143TC thru 254TC

Applications: Material handling, packaging equipment in food processing and other wet environments.

Features: Designed for inverter or vector applications where up to a 1000:1 constant torque speed range is required. Motors include HS25 encoder feedback mounting with MS connector. Meets NEMA MG 1, Part 31.

Includes 1024 Line Count Encoder

Hp	RPM 60 Hz.	Max. RPM	NEMA Frame	Catalog Number		List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Volt Code	Full Load Amps
1	1750	6000	143TC	ZDWNM3546T	◆□++	2110	E2	3524M	14.90	42	F	1.4
1 1/2	1750	6000	145TC	ZDWNM3554T	◆□++	2217	E2	3535M	15.78	54	F	2.1
2	1725	6000	182TC	ZDWNM3609T	◆□++	2335	E2	3628M	17.77	71	F	2.9
3	1750	6000	184TC	ZDWNM3611T	◆□++	2451	E2	3634M	17.77	84	F	4
5	1760	6000	213TC	ZDWNM3707T	◆□++	2634	E2	3735M	19.84	125	F	6.7
7 1/2	1765	5000	254TC	ZDWNM22937T	◆□++	3500	E2	3940M	23.92	240	F	9.1
10	1765	5000	254TC	ZDWNM22938T	◆□++	3918	E2	3956M	23.92	292	F	12

NOTE: Voltage @ 60 Hz: F= 230/460. See notes on pages 8 and 9, and inside back flap.

Three Phase - Vector, Elevator Duty - ODP

10 thru 75 Hp

NEMA 256T thru 405T



Applications: Elevator modernizations where a premium efficient, quiet, high torque motor is required.

Features: Cast iron frame and endplates, electrically isolated 1024 PPR HS35 optical encoder with connector, inverter spike resistant magnet wire, Class H insulation, 50°C rise, 320% minimum breakdown torque, winding thermostat, 1/8" shaft endplay. Complies with NEMA MG1, Part 31.

Includes 1024 Line Count Encoder

Hp	RPM 60 Hz.	Max. RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Type	"C" Dimension	Ap'x. Shpg. Wgt.	Volt Code	Full Load Amps
10	1180	1800	256T	ZDME2511T-CI ♦♦	3779	E2	0944M	24.70	280	F	17
15	1180	1800	286T	ZDME2524T-CI ♦♦	4440	E2	1044M	27.35	391	F	21
20	1180	1800	286T	ZDME2528T-CI ♦♦	5014	E2	1050M	27.35	422	F	27.5
25	1180	1800	324T	ZDME2532T-CI ♦♦	6020	E2	1248M	28.54	554	F	32
30	1160	1800	326T	ZDME2536T-CI ♦♦	6131	E2	1256M	30.04	595	F	39
40	1180	1800	364T	ZDME2540T-CI ♦♦	6770	E2	1450M	32.49	725	F	59
50	1180	1800	365T	ZDME2544T-CI ♦♦	7463	E2	1458M	32.49	789	F	70
60	1185	1800	404T	ZDME2548T-CI ♦♦	9429	E2	1660M	36.80	1072	G	74
75	1185	1800	405T	ZDME2552T-CI ♦♦	10270	E2	1672M	36.80	1114	G	90

NOTE: Voltage @ 60 Hz: F= 230/460, G= 460. See notes on pages 8 and 9, and inside back flap.

SHADED RATINGS ARE CAST IRON FRAMES

Constant Velocity Blower Cooling Conversion Kits



NEMA 143TC thru 447TC

These kits convert TENV or TEFC AC motors to a Totally Enclosed Blower Cooled (TEBC) design. This is advantageous where continuous cooling is required regardless of motor shaft speed. These kits can be mounted on the back of the motor after removing the fan guard and fan. Removing the TEFC fan shaft is not required.

Voltage	Phase	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.
115	1	143TC-145TC	BLWL05-L	631	E8	7
115	1	182TC-184TC	BLWL06-L	712	E8	8
115	1	213TC-215TC	BLWL07-L	747	E8	13
115	1	254TC-256TC	BLWL09-L	767	E8	5
115	1	284TC-286TC	BLWL10-L	829	E8	35
115	1	324TC-326TC	BLWL12-L	880	E8	46
115	1	364TC-365TC	BLWL14-L	936	E8	55
230/380/460	3	213TC-215TC	BLWM07-F	747	E8	20
230/380/460	3	254TC-256TC	BLWM09-F	775	E8	27
230/380/460	3	284TC-286TC	BLWM10-F	829	E8	35
230/380/460	3	324TC-326TC	BLWM12-F	880	E8	46
230/380/460	3	364TC-365TC	BLWM14-F	946	E8	55
230/380/460	3	404TC-405TC	BLWM16-F	1323	E8	70
230/380/460	3	444TC-447TC	BLWM18-F	1854	E8	157

NOTE: Blower cooling conversion kits should be further selected by Baldor motor type as noted within the catalog number. As an example: BLWM10-F fits a 310M type also built as a 324-326TC.

Feedback Cable Assembly with MS Connector



For the convenience of our customers, we offer a connector plug/cable assembly for Vector and DC motors. This assembly provides the connection from the encoder to the control. The twisted pair shielded cable provides additional noise protection. The assembly decreases installation time and effort. Recommended for Vector Drive and DC applications.

Catalog Number	Cable Extension Length	List Price	Mult. Sym.	Ap'x Shpg. Wgt.
CBL015ZD-2	5 Ft = 1.5 Meters	144	E8	1
CBL030ZD-2	10 Ft = 3 Meters	167	E8	2
CBL046ZD-2	15 Ft = 4.6 Meters	191	E8	2
CBL061ZD-2	20 Ft = 6.1 Meters	212	E8	2
CBL091ZD-2	30 Ft = 9.1 Meters	258	E8	3
CBL152ZD-2	50 Ft = 15.2 Meters	349	E8	6
CBL229ZD-2	75 Ft = 22.9 Meters	462	E8	8
CBL305ZD-2	100 Ft = 30.5 Meters	575	E8	12
CBL379ZD-2	125 Ft = 37.9 Meters	690	E8	14
CBL455ZD-2	150 Ft = 45.5 Meters	749	E8	15
CBL606ZD-2	200 Ft = 60.6 Meters	1030	E8	16

Encoder Feedback Kits



Optical encoders and magnetic pulse generators feature 1024 pulses per revolution, MS connector, and all hardware required to mount to our Inverter Drive Motor. Several brands of encoders are available; BEI, Dynapar, Northstar (LakeShore), and Avtron. All brands feature similar through-shaft mounting. See Mod Express section for information on factory installation. If older style encoders with couplings are preferred, these may be added through Mod Express or built as custom motors.

Catalog Number	Type Enclosure	Description	Magnetic or Optical	Input Voltage	NEMA Frame	List Price	Ap'x. Mult. Sym.	Shpg. Wgt.
ENC00NV-A2	TENV	HS35M Avtron	Magnetic	5-24 VDC	213T-215T	1058	E8	2
ENC00NV-B1	TENV	HS25 BEI	Optical	5-15 VDC	56-215T	1058	E8	2
ENC00NV-D1	TENV	HS35 Dynapar	Optical	5-24 VDC	56-215T	1195	E8	3
ENC01BC-B1	TEBC	HS25 BEI	Optical	5-15 VDC	143T-215T	1058	E8	2
ENC01BC-D1	TEBC	HS35 Dynapar	Optical	5-24 VDC	56-215T	1195	E8	3
ENC01NV-A2	TENV	HS35M Avtron	Magnetic	5-24 VDC	254T-256T	1058	E8	2
ENC01NV-B2	TENV	HS35 BEI	Optical	5-15 VDC	254T-284T	1058	E8	3
ENC01NV-D1	TENV	HS35 Dynapar	Optical	5-24 VDC	254T-256T	1195	E8	3
ENC02BC-A2	TEBC	HS35M Avtron	Magnetic	5-24 VDC	254T-447T	1058	E8	2
ENC02BC-B2	TEBC	HS35 BEI	Optical	5-15 VDC	254T-447T	1058	E8	3
ENC02BC-D1	TEBC	HS35 Dynapar	Optical	5-24 VDC	254T-447T	1195	E8	3

Series 15J Mini Inverters



**1/3 thru 1 Hp
1 thru 5 Hp
1 thru 7.5 Hp**

**95-130 VAC
180-264 VAC
340-528 VAC**

**1 Phase - 60 Hz
3 Phase - 50/60 Hz
3 Phase - 50/60 Hz**

Applications: Variable torque, constant torque or constant horsepower applications. New installations, replacements and original equipment manufacturers (OEM).

Features: NEMA 1 enclosure as standard. Output frequency 0.25 to 150 Hz with peak overload capacity of 200%. Separate accel/decel rates and controlled reversing. Digital operator control and display.

Design Specifications

- Dual microprocessor controlled PWM output
- Free run or ramp stop
- Controlled reversing
- Selectable preset speeds
- Dynamic braking option
- DC injection braking
- Analog meter output
- Relay contact output
- Two analog inputs
- Process control (PID)
- Max output frequency of 150 Hz

Operator Keypad

- Digital speed control
- Forward/Reverse command
- Stop command
- Jog command
- Parameter setting and display
- Display 2 lines by 16 character in English, Spanish, French, German, Italian, and Portuguese
- Membrane keys with tactile feel
- Optional remote mount NEMA 4X keypad

Environmental and Operating Conditions

- Input voltage
 - 1 Phase 106-118 VAC $\pm 10\%$
 - 3 phase 200-240 VAC $\pm 10\%$
 - 3 phase 378-480 VAC $\pm 10\%$
- Input frequency - 50 or 60 Hz $\pm 10\%$
- Service factor - 1.0
- Duty - continuous
- Humidity - 90% max non-condensing
- Altitude - 3300 feet max without derate

Protective Features

- Selectable automatic restart at momentary power loss
- DC bus and fault indicator
- Adjustable time based overload
- Cause of last 31 trips retained in memory
- Digital display for fault conditions
- Isolated control circuitry

Control Specification	Control Method	Sinewave carrier input, PWM output
	PWM Frequency	Rated at 2.5 kHz - adjustable 2.5 - 7.5 kHz
	V/Hz Ratio	Linear to squared reduced
	Torque Boost	0-15% - adjustable
	Brake Torque	Up to 60%, external resistor required
	Frequency Setting	0-5 VDC, 0-10 VDC, 0-20 mA, 4-20mA, digital via keypad
	Accel/Decel	Separate accel/decel rates, 0-600 seconds
Protective Functions	Inverter Trip	Over voltage, over current, under voltage, external trip, heatsink thermal, motor overload
	External Output	NO and NC relay and LED indicator for trip
	Short Circuit	Output phase to ground and phase to phase
Ambient Conditions	Temperature	0-40°C, derate for up to 55°C
	Cooling	Forced air included when required
Dimensions	Outside	7.60 (193) Height
		4.83 (123) Width
		4.45 (113) Depth (5.2(132) depth for ID15J205-ER and ID15J407-ER)
	Mounting	7.21 (183) Height
		4.40 (112) Width

Series 15J Mini Inverters continued...

Hp	kW	Input Volt	Output Current			Catalog Number	List Price	Mult. Sym.
			Cont.	60 Sec	2 Sec			
0.33	0.25	115 (1)	1.6	2.4	3.2	ID15J1F33-ER	673	E1
0.50	0.37	115 (1)	2.3	3.5	4.6	ID15J1F50-ER	692	E1
0.75	0.56	115 (1)	3.2	4.8	6.4	ID15J1F75-ER	712	E1
1	0.75	115 (1)	4.2	6.3	8.4	ID15J101-ER	749	E1
1	0.75	230	4.2	6.3	8.4	ID15J201-ER	724	E1
1.5	1.1	230	6.0	9.0	12.0	ID15J201F5-ER	788	E1
2	1.5	230	6.8	10.2	13.6	ID15J202-ER	843	E1
3	2.2	230	9.6	14.4	19.2	ID15J203-ER	1042	E1
5	3.7	230	15.2	22.8	30.4	ID15J205-ER	1171	E1
1	0.75	460	2.1	3.2	4.2	ID15J401-ER	1010	E1
1.5	1.1	460	3.0	4.5	6.0	ID15J401F5-ER	1086	E1
2	1.5	460	3.4	5.1	6.8	ID15J402-ER	1245	E1
3	2.2	460	4.8	7.2	9.6	ID15J403-ER	1352	E1
5	3.7	460	7.6	11.4	15.2	ID15J405-ER	1522	E1
7.5	5.6	460	11.0	16.5	22.0	ID15J407-ER	1963	E1

NOTE: (1) 115 volt, 1 phase input; 230 volt, 3 phase output.

Dynamic Braking Assemblies

- Aluminum frame resistors
- Panel mounting tabs



Hp	Input Volts	Min. Ohms	Continuous Rated Watts			Mult. Sym.
			100	200	300	
0.33-5	115 or 230	60	RGJ160	RGJ260	RGJ360	E8
1-1.5	460	150	RGJ1150	RGJ2150	RGJ3150	
2-7.5	460	120	RGJ1120	RGJ2120	RGJ3120	
List Price			76	99	154	

Keypad with Cable

- 32 Character alphanumeric display
- NEMA 4X enclosure when mounted on panel
- Backlit LCD
- Remote mount to 100 ft. from control



Catalog Number	Cable Length	List Price	Mult. Sym.
CBLSM015KP	5 ft.	217	E8
CBLSM030KP	10 ft.	249	E8
CBLSM046KP	15 ft.	279	E8
CBLSM061KP	20 ft.	309	E8
CBLSM091KP	30 ft.	370	E8
CBLSM152KP	50 ft.	491	E8
CBLSM229KP	75 ft.	613	E8
CBLSM305KP	100 ft.	796	E8

Series 15P Mini Inverter



1/3 thru 1 Hp
1 thru 5 Hp
1 thru 7.5 Hp

95-130 VAC
180-264 VAC
340-528 VAC

1 Phase - 60 Hz
3 Phase - 50/60 Hz
3 Phase - 50/60 Hz

Applications: Variable torque, constant torque or constant horsepower applications. New installations, replacements and original equipment manufacturers (OEM).

Features: NEMA 1 enclosure as standard. Output frequency 0.25 to 150 Hz with peak overload capacity of 200%. Separate accel/decel rates and controlled reversing. Rotary speed control with direction indicators.

Design Specifications

- Dual microprocessor controlled PWM output
- Free run or ramp stop
- Controlled reversing
- Dynamic braking option
- Adjustable torque boost
- Separate accel/decel rates
- Selectable auto restart
- Adjustable current limit
- Max output frequency of 130 Hz

Operator Keypad

- Rotary speed control
- Forward/Reverse command
- Stop command
- Membrane keys with tactile feel
- Fault indicator
- Power on indicator

Environmental and Operating Conditions

- Input voltage
 - 1 Phase 106-118 VAC $\pm 10\%$.
 - 3 phase 200-240 VAC $\pm 10\%$.
 - 3 phase 378-480 VAC $\pm 10\%$.
- Input frequency - 50 or 60 Hz $\pm 10\%$
- Service factor - 1.0
- Duty - continuous
- Humidity - 90% max non-condensing
- Altitude - 3300 feet max without derate

Protective Features

- Selectable automatic restart at momentary power loss
- DC bus present indicator
- Fault indicator
- Adjustable time based overload
- Isolated control circuitry

Control Specification	Control Method	Sinewave carrier input, PWM output
	PWM Frequency	Rated at 2.5 kHz
	V/Hz Ratio	Linear with adjustable torque boost
	Torque Boost	0-15% - adjustable
	Brake Torque	Up to 60%, external resistor required
	Frequency Setting	0-10 VDC, 4-20mA, digital via keypad
	Accel/Decel	Separate accel/decel rates, 0-60 seconds
Protective Functions	Inverter Trip	Over voltage, over current, under voltage, external trip, heatsink thermal, motor overload
	External Indicators	Separate LED indicators for fault trip and power ON
	Short Circuit	Output phase to ground and phase to phase
Ambient Conditions	Temperature	0-40°C, derate for up to 55°C
	Cooling	Forced air included when required
Dimensions	Outside	7.60 (193) Height
		4.83 (123) Width
		4.45 (113) Depth [5.2(132) depth for ID15P205-ER and ID15P407-ER]
	Mounting	7.21 (183) Height
		4.40 (112) Width

Series 15P Mini Inverters continued...

Hp	kW	Input Volt	Output Current			Catalog Number	List Price	Mult. Sym.
			Cont.	60 Sec.	2 Sec.			
0.33	0.25	115 (1)	1.6	2.4	3.2	ID15P1F33-ER	666	E1
0.50	0.37	115 (1)	2.3	3.5	4.6	ID15P1F50-ER	685	E1
0.75	0.56	115 (1)	3.2	4.8	6.4	ID15P1F75-ER	704	E1
1	0.75	115 (1)	4.2	6.3	8.4	ID15P101-ER	748	E1
1	0.75	230	4.2	6.3	8.4	ID15P201-ER	722	E1
1.5	1.1	230	6.0	9.0	12.0	ID15P201F5-ER	784	E1
2	1.5	230	6.8	10.2	13.6	ID15P202-ER	839	E1
3	2.2	230	9.6	14.4	19.2	ID15P203-ER	986	E1
5	3.7	230	15.2	22.8	30.4	ID15P205-ER	1122	E1
1	0.75	460	2.1	3.2	4.2	ID15P401-ER	950	E1
1.5	1.1	460	3.0	4.5	6.0	ID15P401F5-ER	1036	E1
2	1.5	460	3.4	5.1	6.8	ID15P402-ER	1196	E1
3	2.2	460	4.8	7.2	9.6	ID15P403-ER	1307	E1
5	3.7	460	7.6	11.4	15.2	ID15P405-ER	1479	E1
7.5	5.6	460	11.0	16.5	22.0	ID15P407-ER	1899	E1

NOTE: (1) 115 volt, 1 phase input; 230 volt, 3 phase output.

Dynamic Braking Assemblies

- Aluminum frame resistors
- Panel mounting tabs



Hp	Input Volts	Min. Ohms	Continuous Rated Watts			Mult. Sym.
			100	200	300	
0.33-5	115 or 230	60	RGJ160	RGJ260	RGJ360	E8
1-1.5	460	150	RGJ1150	RGJ2150	RGJ3150	
2-7.5	460	120	RGJ1120	RGJ2120	RGJ3120	
List Price			76	99	154	

Series 5 Micro Inverters



1/2 thru 2 Hp
1/2 thru 2 Hp
2 thru 3 Hp
1 thru 5 Hp

97-132 VAC
195-265 VAC
195-265 VAC
323-529 VAC

1 Phase - 50/60 Hz
1 Phase - 50/60 Hz
3 Phase - 50/60 Hz
3 Phase - 50/60 Hz

Applications: Variable torque, constant torque or constant horsepower applications. New installations, replacements and original equipment manufacturers (OEM).

Features: NEMA 4X or open chassis mount standard. Output frequency 0.25 to 120 Hz with peak overload capacity of 150%. Separate accel/decel rates and controlled reversing.

Design Specifications

- PWM output
- Accel/decel rate adjustment
- Controlled reversing
- Adjustable current limit
- I²t motor overload protection
- Adjustable slip compensation
- Min/max output frequency adjustment
- Selectable auto/manual restart

Operator Interface-Enclosed Units

- Start/Stop command
- NEMA 4X enclosure
- Power on/off
- Rotary speed control
- Fwd/Rev optional
- Auto/Manual optional

Environmental and Operating Conditions

- Input voltage:
 - 1 phase 115 VAC ±15%,
 - 1 phase 230 VAC ±15%
 - 3 phase 230V ±15%
 - 3 phase 460 ± 15%
- Input frequency
 - 50 or 60Hz ±10%
- Service factor - 1.0
- Duty - continuous
- Humidity - 90% max RH non-condensing
- Altitude - 3300 feet max without derate

Protective Features

- Selectable automatic restart at momentary power loss
- Power indicator
- Status indicator
- Adjustable time base overload
- Electronic in rush current limiting

Output Ratings	Overload Capacity	150% for 120 seconds	
	Voltage - 3 Phase	0-230 VAC (RMS), 0-460 V AC (RMS)	
Control Spec	Control Method	Sinewave carrier input, PWM output	
	PWM Frequency	Rated 8.0 kHz	
	V/Hz Ratio	Factory set for optimum output	
	Torque Boost	Factory set for 60 Hz motors. Adjustable 6-30% for 50 Hz motors	Adjustable 0-30% max
	Current Limit	Adjustable 63 to 188% of rated output	0-200%
	Frequency Setting	0-5 VDC, 0-10 VDC with external resistor network, non-isolated input	
	Accel/Decel	Separate accel/decel rates, 0.3-20 sec for 60 Hz motors	0.3-20 Sec
		Combined accel/decel for 50 Hz motors	
Protective Functions	Inverter Trip	Over voltage, over current, under voltage, motor overload, output short circuit	
	Status Indicators	Tricolor LED indicator for status and green LED indicator for power on	
	Short Circuit	Output phase to phase	
Ambient Conditions	Temperature	0-45°C	0-50°C
	Cooling	Convection 1/2 - 2 Hp; Forced Air 3-5 Hp	Convection
	Enclosure	Open chassis	NEMA 4X (IP65)

Series 5 Micro Inverters continued...

Hp/kW	Input Volt	Output Current		Catalog Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.	Dimensions in/(mm)				
		Cont.	120 Sec.					Outside			Mounting	
								H	W	D	H	W
Open Chassis Mount – Single Phase Input												
0.5/0.37	115/230	2.4	3.6	ID56F50-CO	335	E9	4	4.3	3.9	2.75	3.8	2.5
1/0.75	115/230	4	6	ID5601-CO	406	E9	5	4.3	3.9	5	3.87	3.7
2/1.5	115/230	5.5	8.25	ID5602-CO	528	E9	5	4.67	5.58	5.7	3.87	2.5
Open Chassis Mount – Three Phase Input												
2/1.5	230	6.7	10.1	ID5202-CO	640	E9	5	8.55	4.68	4.5	6.5	3.9
3/2.25	230	8.8	13.2	ID5203-CO	674	E9	5	8.55	4.68	4.5	6.5	3.9
1/.075	460	2.5	3.75	ID5401-CO	697	E9	5	8.55	4.68	4.5	6.5	3.9
2/1.5	460	4	6	ID5402-CO	715	E9	5	8.55	4.68	4.5	6.5	3.9
3/2.25	460	4.5	6.75	ID5403-CO	735	E9	5	8.55	4.68	4.5	6.5	3.9
5/3.7	460	7.6	11.4	ID5405-CO	939	E9	5	8.55	4.68	4.5	6.5	3.9
NEMA 4X Enclosed – Single Phase Input												
1/0.75	115/230	3.6	5.4	ID5601-WO	648	E9	6	9.53	5.51	5.86	8.85	–
1/0.75	115/230	3.6	5.4	ID5601-BO	608	E9	6	9.53	5.51	5.86	8.85	–
2/1.5	115/230	5.5/6.7	8.3/10.0	ID5602-WO	914	E9	8	9.8	7.55	7.25	9.25	1
2/1.5	115/230	5.5/6.7	8.3/10.0	ID5602-BO	863	E9	8	9.8	7.55	7.25	9.25	1
NEMA 4X Enclosed – Three Phase Input												
3/2.25	230	9	13.5	ID5203-WO	1036	E9	8	9.8	7.55	7.25	9.25	1
3/2.25	230	9	13.5	ID5203-BO	985	E9	8	9.8	7.55	7.25	9.25	1
3/2.25 ①	460	4.6	6.9	ID5403-WO	1097	E9	8	9.8	7.55	7.25	9.25	1
3/2.25 ①	460	4.6	6.9	ID5403-BO	1046	E9	8	9.8	7.55	7.25	9.25	1
5/3.7	460	8.3	12.45	ID5405-WO	1168	E9	8	9.8	7.55	7.25	9.25	1
5/3.7	460	8.3	12.45	ID5405-BO	1117	E9	8	9.8	7.55	7.25	9.25	1

NOTE: -WO is white in color -BO is black in color

① Jumper configurable for 1 HP and 2 HP

Catalog Number	Description	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.
ID5RGA-1	Dynamic braking kit for open chassis 115/230V 1/2 Hp and 1 Hp rated controls	207	E9	4
ID5SI-1	Signal isolator for open chassis units Provides isolation for up to 24 VDC and 4-20mA command signals	180	E9	4
ID5SI-2	Signal isolator for NEMA 4X enclosed units Provides isolation for up to 24 VDC and 4-20mA command signals and run relay output. Select relay as N.O. or N.C. contacts rated at 125 VAC @ 0.5 A.	204	E9	1
ID5AMS-1	Auto/Manual selection switch for NEMA 4X enclosed units Allows selection of remote or on-board speed commands	49	E9	1
ID5FRS-1	Forward/Stop/Reverse selection switch for NEMA 4X enclosed units Allows selection of forward or reverse motor direction commands	28	E9	1

SmartMotor® Adjustable Speed Integrated Motor/Drive 230 and 460 Volts



1 thru 10 Hp

NEMA 56C thru 215TC

Applications: Variable torque, constant torque or constant horsepower applications. New installations, replacements and original equipment manufacturers (OEM).

Features: TEFC matched motor and control. NEMA1 enclosure on CSM and JMSM designs. NEMA 4X enclosure on CWDSM designs. Output speeds to 2X base speed and overload capacity of 150%. NEMA standard motor frames with premium efficiency motor designs.

Design Specifications

- Dual microprocessor controlled PWM output
- Free run or ramp stop
- Controlled reversing
- Selectable preset speeds
- Dynamic braking option
- DC injection braking
- Analog meter output
- One digital output
- One analog Input
- Process control (PID)
- Profile Run

Operator Keypad-Optional Remote Mount Keypad

- Digital speed control
- Forward/Reverse command
- Stop command
- Jog command
- Parameter setting and display
- Display 2 lines by 16 character
- Membrane keys with tactile feel

Environmental and Operating Conditions

- Input voltage
3 phase 200-240 VAC \pm 10%,
3 phase 380-480 VAC \pm 10%,
- Input frequency -
50 or 60 Hz \pm 10%
- Service factor - 1.0
- Duty - continuous
- Humidity - 90% max
non-condensing
- Altitude - 3300 feet max
without derate

Protective Features

- Selectable automatic restart at momentary power loss
- DC bus and fault indicator
- Adjustable time based overload
- Cause of last 31 trips retained in memory
- Digital display for fault conditions
- Isolated control circuitry

Output Ratings	Overload Capacity	150% for 60 seconds
	Speed Range	180 to 3600 RPM maximum; 180-3450 RPM variable or constant torque for 3450 RPM base speed
		180 to 1800 RPM variable torque, 180-1800 RPM constant torque max,
		1800 to 3600 RPM constant hp for 1750 RPM base
	Horsepower	Base speed ratings at 230 VAC or 460 VAC
Input Ratings	Frequency	50 or 60 Hz \pm 5%
	Voltage	200-240 VAC \pm 10%; 380-480 VAC \pm 10%
	Phase	Three phase or single phase with derate. No single phase derate required for 1 and 2 horsepower
	Impedance	1% minimum required
Control Spec	Control Method	Sinusoidal PWM
	PWM Frequency	Adjustable 2.2 to 18 kHz (1-3 Hp); 2.2 to 9 kHz (5-10 Hp)
	V/Hz Ratio	Factory tuned to motor, minimum frequency limit, maximum frequency limit (120Hz)
	Torque Boost	0-15% of input voltage; automatic with manual override
	Brake Torque	20% standard on CSM and CWDSM catalog numbers (optional on JMSM)
	Skip Frequency	Three zones 0-max frequency
	Speed Setting	0-5 VDC, 0-10 VDC, 0-20mA, 4-20mA
	Accel/Decel	Separate accel/decel rates, 0-3600 sec. to maximum frequency
	External Output	1 assignable digital output and LED indicator for trip
Protective Functions	Motor Trip	Over voltage, over current, under voltage, external trip, heatsink thermal, motor overload
	Stall Prevention	Over voltage suppression, overcurrent suppression
LCD Display (optional)	Running	Output frequency, set frequency, output current, voltage, RPM, custom units
	Setting	Parameter values for setup and review
	Trip	Separate message for each trip, cause of last 31 trips retained in memory
Ambient Conditions	Temperature	-10 + 40°C ambient
	Cooling	Fan cooled

SmartMotor® - 230 and 460 Volts continued...

Hp @ Base Speed	Base Speed @ 60 Hz.	NEMA Frame	Catalog Number	List Price (1)	Mult. Sym.	Constant Torque Speed Range		Type	“C” Dimension	Size	Ap'x. Shgp. Wgt.	
						Min.	Max.					
230 Volts												
1	1750	56C	CSM3546-2	◆++	1484	E1	180	1800	DV3524M	13.40	35	50
1	1750	143TC	CSM3546T-2	◆++	1523	E1	180	1800	DV3524M	13.31	35	51
2	1750	145TC	CSM3558T-2	◆++	1650	E1	180	1800	DV3540M	15.56	35	65
3	1760	182TC	CSM3611T-2	◆++	1774	E1	300	1800	DV3628M	16.55	36	87
5	1750	184TC	CSM3615T-2	◆++	2077	E1	300	1800	DV3646M	18.05	36	114
7 1/2	1760	213TC	CSM3710T-2	◆++	2924	E1	400	1800	DV3734M	18.69	37	148
10	1760	215TC	CSM3714T-2	◆++	3602	E1	400	1800	DV3746M	20.52	37	175
460 Volts												
1	1750	56C	CSM3546-4	◆++	1888	E1	180	1800	DV3524M	13.40	35	51
1	1750	143TC	CSM3546T-4	◆++	1903	E1	180	1800	DV3524M	13.31	35	51
2	1750	145TC	CSM3558T-4	◆++	2009	E1	180	1800	DV3540M	15.56	35	67
3	1760	182TC	CSM3611T-4	◆++	2278	E1	300	1800	DV3628M	16.55	36	91
5	1750	184TC	CSM3615T-4	◆++	2600	E1	300	1800	DV3646M	18.06	36	98
7 1/2	1760	213TC	CSM3710T-4	◆++	3763	E1	400	1800	DV3734M	18.69	37	148
10	1760	215TC	CSM3714T-4	◆++	4122	E1	400	1800	DV3746M	20.52	37	175

NOTE: (1) Without optional keypad. See notes on pages 8 and 9, and inside back flap.

Washdown SmartMotor® - TEFC, 230 and 460 Volts

Hp @ Base Speed	Base Speed @ 60 Hz.	NEMA Frame	Catalog Number	List Price (1)	Mult. Sym.	Constant Torque Speed Range		Type	“C” Dimension	Size	Ap'x. Shpg. Wgt.	
						Min.	Max.					
230 Volts												
1	1750	56C	CWDSM3546-2	◆++	1834	E1	180	1800	DV3524M	13.39	35	50
1	1750	143TC	CWDSM3546T-2	◆++	1834	E1	180	1800	DV3524M	13.31	35	52
2	1750	145TC	CWDSM3558T-2	◆++	2210	E1	180	1800	DV3540M	15.56	35	66
3	1760	182TC	CWDSM3611T-2	◆++	2345	E1	300	1800	DV3628M	16.55	36	97
5	1750	184TC	CWDSM3615T-2	◆++	2716	E1	300	1800	DV3646M	18.05	36	92
7 1/2	1760	213TC	CWDSM3710T-2	◆++	3971	E1	400	1800	DV3734M	18.68	37	162
10	1760	215TC	CWDSM3714T-2	◆++	4242	E1	400	1800	DV3746M	20.56	37	186
460 Volts												
1	1750	56C	CWDSM3546-4	◆++	2365	E1	180	1800	DV3524M	13.39	35	51
1	1750	143TC	CWDSM3546T-4	◆++	2365	E1	180	1800	DV3524M	13.31	35	51
2	1750	145TC	CWDSM3558T-4	◆++	2728	E1	180	1800	DV3540M	15.56	35	66
3	1760	182TC	CWDSM3611T-4	◆++	2946	E1	300	1800	DV3628M	16.55	36	98
5	1750	184TC	CWDSM3615T-4	◆++	3401	E1	300	1800	DV3646M	18.05	36	92
7 1/2	1760	213TC	CWDSM3710T-4	◆++	5101	E1	400	1800	DV3734M	18.69	37	162
10	1760	215TC	CWDSM3714T-4	◆++	5403	E1	400	1800	DV3746M	20.52	37	187

NOTE: (1) Without optional keypad. See notes on pages 8 and 9, and inside back flap.

Close-Coupled Pump SmartMotor® -TEFC, 230 and 460 Volts continued...

Hp @ Base Speed	Base Speed @ 60 Hz.	NEMA Frame	Catalog Number	List Price (1)	Mult. Sym.	Constant Torque Speed Range		Type	“C” Dimension	Size	Ap'x. Shpg. Wgt.
						Min.	Max.				
230 Volts											
1	3450	143JM	JMSM3545T-2	1547	E1	180	3450	DV3516M	15.43	35	60
2	3450	143JM	JMSM3555T-2	1682	E1	180	3450	DV3532M	15.43	35	60
3	3450	182JM	JMSM3610T-2	1832	E1	300	3450	DV3628M	18.33	36	62
5	3450	184JM	JMSM3613T-2	2200	E1	300	3450	DV3634M	18.33	36	67
7 1/2	3450	213JM	JMSM3709T-2	2973	E1	400	3450	DV3733M	19.86	37	158
10	3450	215JM	JMSM3711T-2	3669	E1	400	3450	DV3738M	21.73	37	162
460 Volts											
1	3450	143JM	JMSM3545T-4	1921	E1	180	3450	DV3516M	15.43	35	35
2	3450	145JM	JMSM3555T-4	2036	E1	180	3450	DV3532M	15.43	35	51
3	3450	182JM	JMSM3610T-4	2337	E1	300	3450	DV3628M	18.33	36	54
5	3450	184JM	JMSM3613T-4	2723	E1	300	3450	DV3634M	18.33	36	67
7 1/2	3450	213JM	JMSM3709T-4	3919	E1	400	3450	DV3733M	19.81	37	158
10	3450	215JM	JMSM3711T-4	4307	E1	400	3450	DV3738M	20.93	37	162

NOTE: (1) Without optional keypad. See notes on pages 8 and 9, and inside back flap.

SmartMotor Keypad with Cable

- 32 Character English alphanumeric display when mounted on panel
- Backlit LCD
- Remote mount to 100 ft. from control



Catalog Number	Cable Length	List Price	Mult. Sym.	Enclosure Rating
CBLSM015KP	5 ft.	217	E8	NEMA1
CBLSM030KP	10 ft.	249	E8	NEMA1
CBLSM046KP	15 ft.	279	E8	NEMA1
CBLSM061KP	20 ft.	309	E8	NEMA1
CBLSM091KP	30 ft.	370	E8	NEMA1
CBLSM152KP	50 ft.	491	E8	NEMA1
CBLSM229KP	75 ft.	613	E8	NEMA1
CBLSM305KP	100 ft.	796	E8	NEMA1
CBLSM015KP-W (2)	5 ft.	217	E8	NEMA4X
CBLSM046KP-W (2)	15 ft.	279	E8	NEMA4X
CBLSM091KP-W (2)	30 ft.	370	E8	NEMA4X

NOTE: (2) Keypad is white in color

SmartMotor Keypad Mounted Covers

- 32 Character English alphanumeric display
- Backlit LCD
- Keypad mounted to terminal cover
- Includes connecting cable

Catalog Number	List Price	Mult. Sym.	Type No.	Enclosure Rating
CVRSM35KP-B	267	E8	DV35	NEMA1
CVRSM36KP-B	274	E8	DV36	NEMA1
CVRSM37KP-B	282	E8	DV37	NEMA1
CVRSM35KP-W (2)	267	E8	DV35	NEMA4X
CVRSM36KP-W (2)	267	E8	DV36	NEMA4X

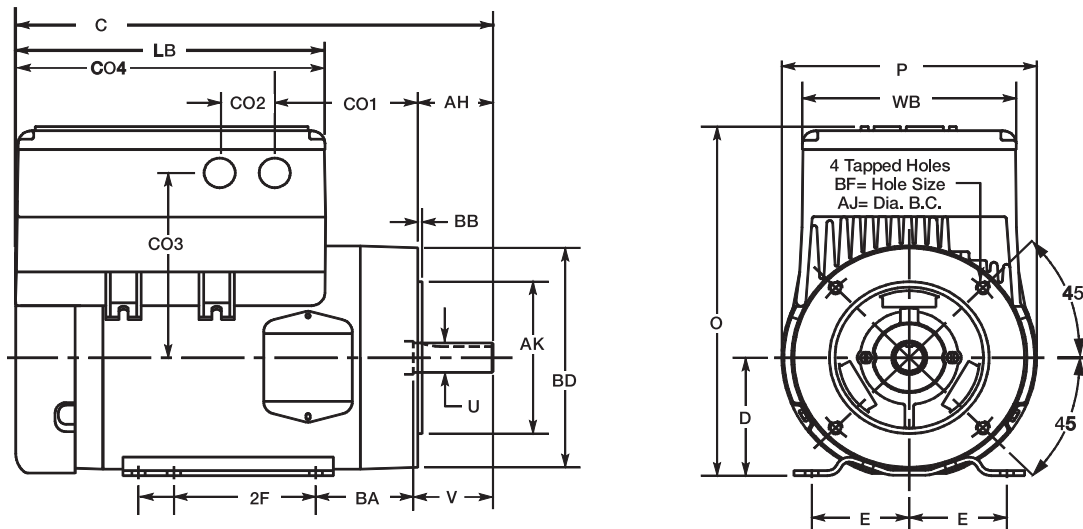
NOTE: (2) Keypad is white in color

SmartMotor Cover with Keypad Jack

- Keypad Jack mounted to cover
- Removable dust cover
- Order keypad with cable (above)

Catalog Number	List Price	Mult. Sym.	Type No.	Enclosure Type
CVRSM35KJ-B	53	E8	DV35	NEMA1
CVRSM36KJ-B	65	E8	DV36	NEMA1
CVRSM37KJ-B	76	E8	DV37	NEMA1

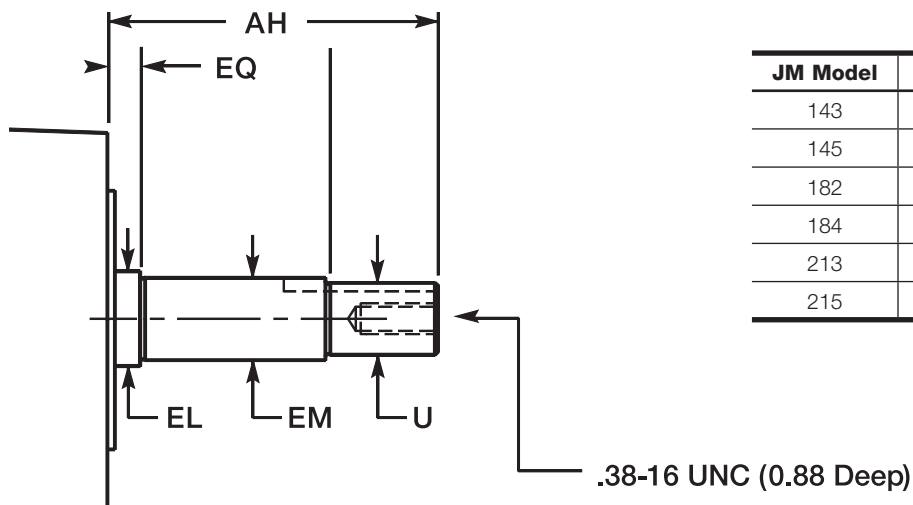
Dimensions



Model	Dimension																				
	2F	C	D	E	O	P	U	V	AH	AJ	AK	BA	BB	BD	BF	CO1	CO2	CO3	CO4	LB	WB
56C	3.00	13.40	3.50	2.44	10.36	7.18	0.6250	1.93	2.060	5.88	4.50	2.75	0.13	6.51	.38-16	4.03	1.38	5.48	7.307	8.73	6.03
143TC	4.00	13.46	3.50	2.75	10.35	7.20	0.8750	2.26	2.130	5.88	4.50	2.75	0.13	6.51	.38-16	4.03	1.38	5.48	7.307	8.71	6.03
143JM	4.00	46.44	3.50	2.75	10.35	7.18	0.8745	–	4.281	5.88	4.50	2.88	0.13	6.50	.38-16	4.85	1.38	5.48	7.307	8.71	6.02
145TC	4.00	15.71	3.50	2.75	10.35	7.20	0.8750	2.26	2.130	5.88	4.50	2.75	0.13	6.51	.38-16	4.03	1.38	5.48	7.307	8.71	6.03
145JM	4.00	17.32	3.50	2.75	10.35	7.18	0.8745	–	4.281	5.88	4.50	2.88	0.13	6.50	.38-16	5.73	1.38	5.48	7.307	8.71	6.02
182TC	4.50	16.55	4.50	3.75	11.92	8.86	1.1250	2.75	2.870	7.25	8.50	3.50	0.25	8.86	.50-13	3.96	1.38	5.58	9.720	11.26	7.12
182JM	4.50	18.18	4.50	3.75	11.81	8.49	0.8745	–	4.281	5.88	4.50	3.51	0.13	6.61	.38-16	4.18	1.38	5.58	9.720	11.20	7.12
184TC	4.50	18.05	4.50	3.75	11.92	8.86	1.1250	2.75	2.870	7.25	8.50	3.50	0.25	8.86	.50-13	5.46	1.38	5.58	9.720	11.26	7.12
184JM	4.50	18.18	4.50	3.75	11.81	8.49	0.8745	–	4.281	5.88	4.50	3.51	0.13	6.61	.38-16	4.18	1.38	5.58	9.720	11.20	7.12
213TC	5.50	18.69	5.25	4.25	13.69	10.62	1.3750	3.37	3.370	7.25	8.50	4.25	0.25	9.04	.50-13	4.79	1.91	7.11	10.58	11.75	8.27
213JM	5.50	19.86	5.25	4.25	13.93	10.62	0.8745	–	4.500	7.25	8.50	4.50	0.25	9.06	.50-13	4.78	1.91	7.11	10.58	11.92	8.27
215TC	5.50	20.52	5.25	4.25	13.69	10.62	1.3750	3.37	3.370	7.25	8.50	4.25	0.25	9.04	.50-13	4.74	1.91	7.11	10.58	11.75	8.27
215JM	5.50	21.73	5.25	4.25	13.93	10.62	0.8745	–	4.500	7.25	8.50	4.50	0.25	9.06	.50-13	6.65	1.91	7.11	10.58	11.92	8.27

NOTE: Drawings shown are for reference only. Drawings are available from our CD-ROM or web site at www.baldor.com

Dimensions (JM Series Motor Shaft)



JM Model	EQ	EM	EL	AH	U
143	0.625	1.00	1.156	4.281	0.8742
145	0.625	1.00	1.156	4.281	0.8742
182	0.625	1.00	1.125	4.281	0.8742
184	0.625	1.00	1.125	4.281	0.8742
213	0.650	1.00	1.125	4.50	0.8742
215	0.650	1.00	1.125	4.50	0.8742

H2 Inverter/ Encoderless Vector

3/4 thru 3 Hp
1 thru 75 Hp
1 thru 150 Hp
1 thru 150 Hp

115/230 VAC
230 VAC
460 VAC
575 VAC

1 Phase - 50/60 Hz
3 Phase - 50/60 Hz
3 Phase - 50/60 Hz
3 Phase - 60 Hz



Applications: Constant torque, variable torque or constant horsepower applications. New installations, replacements and original equipment manufacturers (OEM).

Features: NEMA 1 enclosure as standard. Output frequency 0 to 500 Hz with peak overload capacity of 175%. Separate accel/decel rates and controlled reversing. Built in two and three input PID process control loop.

Design Specifications

- Process follow $\pm 5\text{VDC}$ 0-5 VDC, $\pm 10\text{VDC}$, 0-10 VDC, 0-20mA, 4-20mA, digital via keypad or serial
- Linear or S-curve deceleration
- 2 assignable analog outputs
- 2 assignable opto outputs
- 2 assignable relay outputs
- 2 assignable analog inputs
- Auto tuning to motor
- Adaptive tuning to load
- USB 2.0 full speed port
- ModBus RTU port

Operator Keypad

- Forward/Reverse command
- Motor RUN and JOG
- Local/Remote key
- Stop command
- Parameter setting and display
- 128x64 graphical display
- Remote mount to 200 feet (60m) from control
- NEMA 4X enclosure when mounted on panel
- Upload and download parameter sets
- Help text displays

Environmental and Operating Conditions

- Input voltage
 - 1 phase 106-118 $\pm 10\%$
 - 1 phase 200-240 $\pm 10\%$
 - 3 phase 200-240 VAC $\pm 10\%$
 - 3 phase 378-480 VAC $\pm 10\%$
 - 3 phase 573-600 VAC $\pm 10\%$
- Input frequency - 50 or 60Hz $\pm 5\%$
- Service factor - 1.0
- Duty - continuous
- Humidity - 90% max RH non-condensing
- Altitude - 3300 feet (1000m) max without derate

Protective Features

- Adjustable current limit
- DC bus charge indicator
- Fault indicator
- Adjustable time based overload
- Cause of last 10 faults or alarms retained in memory
- Fault trace function
- Digital display for fault conditions with real time clock
- Linear heat sink thermal sensor
- Isolated control circuitry
- 24 VDC isolated user supply

Output Ratings	Overload Capacity	150% for 60 seconds; 175% for 3 seconds for constant torque				
		115% for 60 seconds for variable torque				
	Frequency	0-500 Hz standard				
	Voltage	0-Maximum input voltage (RMS)				
Input Ratings	Frequency	50 or 60 Hz ± 5%				
	Voltage (VAC)	95 - 130	180 - 264	180-264	340-528	515 - 660
	Phase	Single Phase		Three phase (single phase with derate)		
	Impedance	1% minimum from mains connection				
Control Spec	Control Method	Sinewave carrier input, PWM output; selectable encoderless vector or V/Hz inverter				
	PWM Frequency	Adjustable 1-5 kHz standard, 5-16 kHz quiet				
	V/Hz Ratio	Linear to squared reduced, base frequency, output voltage, minimum frequency limit, maximum frequency limit				
	Torque Boost	0-30% of input voltage; automatic with manual override				
	Brake Torque	20% standard on Sizes AA and B, 1% standard on Size C				
	Skip Frequency	Three zones 0-Max frequency				
	Frequency Setting	±5 VDC, 0-5 VDC, ±10 VDC, 0-10 VDC, 0-20mA, 4-20mA, digital via keypad, Serial Comms/USB 2.0 and ModBus RTU std.				
	Accel/Decel	Separate accel/decel rates, 0-3600 sec to maximum frequency, linear, S-curve, C-curve				
	PC Setup Software	Workbench Software available via connection to USB2.0 port for commissioning wizard, firmware download, parameter viewer, scope capture and cloning				
Protective Functions	Inverter Trip	Over voltage, over current, under voltage, external trip, heatsink thermal, motor overload				
	Stall Prevention	Over voltage suppression, overcurrent suppression				
	External Output	OPTO isolated outputs, relay outputs, and LED indicator for trip				
	Short Circuit	Phase to phase, phase to ground				
Keypad Display	Running	Output frequency, set frequency, output current(%), voltage, RPM, custom units, power, energy consumed				
	Setting	Parameter values for setup and review				
	Trip	Separate message for each trip, cause of last 10 faults or alarms retained in memory				
Ambient Conditions	Temperature	-10 to + 45°C For UL Listing				
	Cooling	Forced air				

OPTIONS: See page 199 for optional Expansion Boards including Ethernet, Isolated Input etc. See page 198 for optional Dynamic Braking Assemblies.

H2 Inverter/Encoderless Vector - 115/230 and 230 Volts - Constant Torque

Hp	Volt	Output Current		Catalog Number	List Price	Mult. Sym.	Size
		Cont.	Peak				
Output Ratings with 2.5 kHz PWM Frequency - Single Phase Input							
1	115/230	4.2	7.4	IHH601-E *	1001	E1	AA
2	115/230	6.8	11.9	IHH602-E *	1138	E1	AA
3	115/230	9.6	16.8	IHH603-E *	1329	E1	AA
Output Ratings with 2.5 kHz PWM Frequency - Three Phase Input							
1	230	4.2	7.4	IHH201-E	1001	E1	AA
2	230	6.8	11.9	IHH202-E	1138	E1	AA
3	230	9.6	16.8	IHH203-E	1329	E1	AA
5	230	15.2	26.6	IHH205-E	1530	E1	AA
7 1/2	230	22	38.5	IHH207-E	1906	E1	AA
10	230	28	49	IHH210-E	2681	E1	B
15	230	42	74	IHH215-E	3502	E1	B
20	230	55	96	IHH220-E	4328	E1	B
25	230	68	119	IHH225-E	5793	E1	C
30	230	80	140	IHH230-E	6648	E1	C
40	230	104	182	IHH240-E	8855	E1	C
50	230	130	228	IHH250-E	10652	E1	D
60	230	154	270	IHH260-E	12503	E1	D
Output Ratings with 8.0 kHz PWM Frequency - "Quiet Drive™" - Single Phase Input							
3/4	115/230	3.2	5.6	IHH601-E*	1001	E1	AA
1	115/230	4.2	7.4	IHH602-E*	1138	E1	AA
2	115/230	6.8	11.9	IHH603-E*	1329	E1	AA
Output Ratings with 8.0 kHz PWM Frequency - "Quiet Drive™" - Three Phase Input							
1	230	4.2	7.4	IHH201-E	1001	E1	AA
2	230	6.8	11.9	IHH203-E	1329	E1	AA
3	230	9.6	16.8	IHH205-E	1530	E1	AA
5	230	15.2	26.6	IHH207-E	1906	E1	AA
7.5	230	22	38.5	IHH210-E	2681	E1	B
10	230	28	49	IHH215-E	3502	E1	B
15	230	42	74	IHH220-E	4328	E1	B
20	230	55	96	IHH225-E	5793	E1	C
25	230	68	119	IHH230-E	6648	E1	C
30	230	80	140	IHH240-E	8855	E1	C
40	230	104	182	IHH250-E	10652	E1	D
50	230	130	228	IHH260-E	12503	E1	D

OPTIONS: Dimensions are listed on page 186. See page 199 for optional Expansion Boards. See page 198 for optional Dynamic Braking Assemblies.

See notes on pages 8 and 9, and inside back flap.

* Single phase input voltage to control, three phase output voltage from control to motor.

H2 Inverter/Encoderless Vector - 115/230 and 230 Volts - Variable Torque

Hp	Volt	Output Current		Catalog Number	List Price	Mult. Sym.	Size
		Cont.	Peak				
Output Ratings with 2.5 kHz PWM Frequency - Single Phase Input							
2	115/230	6.8	7.8	IHH601-E *	1001	E1	AA
3	115/230	9.6	11	IHH602-E *	1138	E1	AA
Output Ratings with 2.5 kHz PWM Frequency - Three Phase Input							
2	230	6.8	7.8	IHH201-E	1001	E1	AA
3	230	9.6	11	IHH202-E	1138	E1	AA
5	230	15.2	17.5	IHH203-E	1329	E1	AA
7 1/2	230	22	25.3	IHH205-E	1530	E1	AA
7 1/2	230	22	32.2	IHH207-E	1906	E1	AA
15	230	42	48.3	IHH210-E	2681	E1	B
20	230	54	62.1	IHH215-E	3502	E1	B
30	230	80	92	IHH225-E	5793	E1	C
40	230	104	120	IHH230-E	6648	E1	C
60	230	154	177	IHH250-E	10652	E1	D
75	230	192	221	IHH260-E	12503	E1	D
Output Ratings with 8.0 kHz PWM Frequency - "Quiet Drive™" - Single Phase Input							
1	115/230	4.2	4.8	IHH601-E*	1001	E1	AA
2	115/230	6.8	7.8	IHH602-E*	1138	E1	AA
3	115/230	9.6	11	IHH603-E*	1329	E1	AA
Output Ratings with 8.0 kHz PWM Frequency - "Quiet Drive™" - Three Phase Input							
1	230	4.2	4.8	IHH201-E	1001	E1	AA
2	230	6.8	7.8	IHH202-E	1138	E1	AA
3	230	9.6	11	IHH203-E	1329	E1	AA
5	230	15.2	17.5	IHH205-E	1530	E1	AA
7 1/2	230	22	25.3	IHH207-E	1906	E1	AA
10	230	28	32.2	IHH210-E	2681	E1	B
15	230	42	48.3	IHH215-E	3502	E1	B
20	230	54	62.1	IHH220-E	4328	E1	B
25	230	68	78.2	IHH225-E	5793	E1	C
30	230	80	92	IHH230-E	6648	E1	C
40	230	104	120	IHH240-E	8855	E1	C
50	230	130	167	IHH250-E	10652	E1	D
60	230	154	177	IHH260-E	12503	E1	D

OPTIONS: Dimensions are listed on page 186. See page 199 for optional Expansion Boards. See page 198 for optional Dynamic Braking Assemblies. See notes on pages 8 and 9, and inside back flap.

* Single phase input voltage to control, three phase output voltage from control to motor.

HVAC Motors

Farm Duty Motors

Definite Purpose Motors

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Start & Dynamic Brakes

H2 Inverter/Encoderless Vector - 460 Volts - Constant Torque

Hp	Volt	Output Current		Catalog Number	List Price	Mult. Sym.	Size
		Cont.	Peak				
Output Ratings with 2.5 kHz PWM Frequency							
1	460	2.1	3.7	IHH401-E	1325	E1	AA
2	460	3.4	6	IHH402-E	1523	E1	AA
3	460	4.8	8.4	IHH403-E	1771	E1	AA
5	460	7.6	13.3	IHH405-E	1987	E1	AA
7 1/2	460	11	19.3	IHH407-E	2858	E1	AA
10	460	14	24.5	IHH410-E	3035	E1	AA
15	460	21	36.8	IHH415-E	3611	E1	B
20	460	27	47.3	IHH420-E	4350	E1	B
25	460	34	60	IHH425-E	5732	E1	B
30	460	40	70	IHH430-E	6904	E1	C
40	460	52	91	IHH440-E	8088	E1	C
50	460	65	114	IHH450-E	10969	E1	C
60	460	77	135	IHH460-E	13023	E1	D
75	460	96	168	IHH475-E	14377	E1	D
100	460	124	217	IHH4100-E	17019	E1	D
125	460	156	273	IHH4125-E	19822	E1	D
Output Ratings with 8.0 kHz PWM Frequency - "Quiet Drive™"							
3/4	460	1.6	2.8	IHH401-E	1325	E1	AA
1	460	2.1	3.7	IHH402-E	1523	E1	AA
2	460	3.4	6	IHH403-E	1771	E1	AA
3	460	4.8	8.4	IHH405-E	1987	E1	AA
5	460	7.6	13.3	IHH407-E	2858	E1	AA
7 1/2	460	11	19.3	IHH410-E	3035	E1	AA
10	460	14	24.5	IHH415-E	3611	E1	B
15	460	21	36.8	IHH420-E	4350	E1	B
20	460	27	47.3	IHH425-E	5732	E1	B
25	460	34	60	IHH430-E	6904	E1	C
30	460	40	70	IHH440-E	8088	E1	C
50	460	65	114	IHH460-E	13023	E1	D
60	460	77	135	IHH475-E	14377	E1	D
75	460	96	168	IHH4100-E	17019	E1	D
100	460	124	217	IHH4125-E	19822	E1	D

OPTIONS: Dimensions are listed on page 186. See page 199 for optional Expansion Boards. See page 198 for optional Dynamic Braking Assemblies.
See notes on pages 8 and 9, and inside back flap.
Red catalog number = New item

HVAC Motors

Farm Duty Motors

Definite Purpose Motors

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Start & Dynamic Brakes

H2 Inverter/Encoderless Vector - 460 Volts - Variable Torque

Hp	Volt	Output Current		Catalog Number	List Price	Mult. Sym.	Size
		Cont.	Peak				
Output Ratings with 2.5 kHz PWM Frequency							
2	460	3.4	3.9	IHH401-E	1325	E1	AA
3	460	4.8	5.5	IHH402-E	1523	E1	AA
5	460	7.6	8.8	IHH403-E	1771	E1	AA
7 1/2	460	11	12.7	IHH405-E	1987	E1	AA
10	460	14	16.1	IHH407-E	2858	E1	AA
20	460	27	33.8	IHH415-E	3611	E1	B
25	460	34	42.5	IHH420-E	4350	E1	B
30	460	40	50	IHH425-E	5732	E1	B
40	460	52	60	IHH430-E	6904	E1	C
50	460	65	75	IHH440-E	8088	E1	C
60	460	77	89	IHH450-E	10969	E1	C
75	460	96	110	IHH460-E	13023	E1	D
100	460	124	143	IHH475-E	14377	E1	D
125	460	156	179	IHH4100-E	17019	E1	D
150	460	180	207	IHH4125-E	19822	E1	D
Output Ratings with 8.0 kHz PWM Frequency - "Quiet Drive™"							
1	460	2.1	2.4	IHH401-E	1325	E1	AA
2	460	3.4	3.9	IHH402-E	1523	E1	AA
3	460	4.8	5.5	IHH403-E	1771	E1	AA
5	460	7.6	8.8	IHH405-E	1987	E1	AA
7 1/2	460	11	12.7	IHH407-E	2858	E1	AA
10	460	14	16.1	IHH410-E	3035	E1	AA
15	460	21	24.2	IHH415-E	3611	E1	B
20	460	27	31	IHH420-E	4350	E1	B
25	460	34	39.1	IHH425-E	5732	E1	B
30	460	40	46	IHH430-E	6904	E1	C
40	460	52	60	IHH440-E	8088	E1	C
60	460	77	89	IHH460-E	13023	E1	D
75	460	96	110	IHH475-E	14377	E1	D
100	460	124	143	IHH4100-E	17019	E1	D
125	460	156	179	IHH4125-E	19822	E1	D

OPTIONS: Dimensions are listed on page 186. See page 199 for optional Expansion Boards. See page 198 for optional Dynamic Braking Assemblies.

See notes on pages 8 and 9, and inside back flap.

Red catalog number = New item

HVAC Motors

Farm Duty Motors

Definite Purpose Motors

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Start & Dynamic Brakes

H2 Inverter/Encoderless Vector - 575 Volts - Constant Torque

Hp	Volt	Output Current		Catalog Number	List Price	Mult. Sym.	Size
		Cont.	Peak				
Output Ratings with 2.5 kHz PWM Frequency							
1	575	1.7	3	IHH501-E	1525	E1	AA
2	575	2.7	4.7	IHH502-E	1753	E1	AA
3	575	3.9	6.8	IHH503-E	2037	E1	AA
5	575	6.1	10.7	IHH505-E	2286	E1	AA
7 1/2	575	9	15.8	IHH507-E	3286	E1	AA
10	575	11	19.3	IHH510-E	3498	E1	AA
15	575	17	29.8	IHH515-E	4333	E1	B
20	575	22	38.5	IHH520-E	5452	E1	B
25	575	27	47.2	IHH525-E	7023	E1	B
30	575	32	56	IHH530-E	7960	E1	C
40	575	41	72	IHH540-E	9617	E1	C
50	575	52	91	IHH550-E	13164	E1	C
60	575	62	109	IHH560-E	15627	E1	D
75	575	77	135	IHH575-E	17252	E1	D
100	575	99	173	IHH5100-E	20423	E1	D
125	575	125	219	IHH5125-E	23174	E1	D
Output Ratings with 8.0 kHz PWM Frequency - "Quiet Drive"™							
3/4	575	1.3	2.3	IHH501-E	1525	E1	AA
1	575	1.7	3	IHH502-E	1753	E1	AA
2	575	2.7	4.7	IHH503-E	2037	E1	AA
3	575	3.9	6.8	IHH505-E	2286	E1	AA
5	575	6.1	10.7	IHH507-E	3286	E1	AA
7 1/2	575	9	15.8	IHH510-E	3498	E1	AA
10	575	11	19.3	IHH515-E	4333	E1	B
15	575	17	29.8	IHH520-E	5452	E1	B
20	575	22	38.5	IHH525-E	7023	E1	B
50	575	52	91	IHH560-E	15627	E1	D
60	575	62	109	IHH575-E	17252	E1	D
75	575	77	135	IHH5100-E	20423	E1	D
100	575	99	173	IHH5125-E	23174	E1	D

OPTIONS: See page 199 for optional Expansion Boards. See page 198 for optional Dynamic Braking Assemblies.

See notes on pages 8 and 9, and inside back flap.

Red catalog number = New item

H2 Inverter/Encoderless Vector - 575 Volts - Variable Torque

Hp	Volt	Output Current		Catalog Number	List Price	Mult. Sym.	Size
		Cont.	Peak				
Output Ratings with 2.5 kHz PWM Frequency							
2	575	2.7	3.1	IHH501-E	1525	E1	AA
3	575	3.9	4.5	IHH502-E	1753	E1	AA
5	575	6.1	7	IHH503-E	2037	E1	AA
7 1/2	575	9	10.4	IHH505-E	2286	E1	AA
10	575	11	12.7	IHH507-E	3286	E1	AA
20	575	22	25.3	IHH515-E	4333	E1	B
25	575	27	31	IHH520-E	5452	E1	B
30	575	32	36.8	IHH525-E	7023	E1	B
40	575	41	51.25	IHH530-E	7960	E1	C
50	575	52	60	IHH540-E	9617	E1	C
60	575	62	71	IHH550-E	13164	E1	C
75	575	77	89	IHH560-E	15627	E1	D
100	575	99	114	IHH575-E	17252	E1	D
125	575	125	144	IHH5100-E	20423	E1	D
150	575	144	166	IHH5125-E	23174	E1	D
Output Ratings with 2.5 kHz PWM Frequency - "Quiet Drive™"							
1	575	1.7	2	IHH501-E	1525	E1	AA
2	575	2.7	3.1	IHH502-E	1753	E1	AA
3	575	3.9	4.5	IHH503-E	2037	E1	AA
5	575	6.1	7	IHH505-E	2286	E1	AA
7 1/2	575	9	10.4	IHH507-E	3286	E1	AA
10	575	11	12.7	IHH510-E	3498	E1	AA
15	575	17	19.6	IHH515-E	4333	E1	B
20	575	22	25.3	IHH520-E	5452	E1	B
25	575	27	31	IHH525-E	7023	E1	B
60	575	62	71	IHH560-E	15627	E1	D
75	575	77	89	IHH575-E	17252	E1	D
100	575	99	114	IHH5100-E	20423	E1	D
125	575	125	144	IHH5125-E	23174	E1	D

OPTIONS: See page 199 for optional Expansion Boards. See page 198 for optional Dynamic Braking Assemblies.

See notes on pages 8 and 9, and inside back flap.

Red catalog number = New item

Dimensions in/(mm)

Size	Outside			Mounting		Ap'x Shpg. Wgt.
	Height	Width	Depth	Height	Width	
AA	12.272 (312)	7.974 (203)	8.21 (208)	11.75 (298)	7.38 (187)	20
B	18.000 (457)	9.100 (231)	9.75 (248)	17.25 (438)	7.00 (178)	30
C	22.000 (559)	9.100 (231)	9.75 (248)	21.25 (540)	7.00 (178)	60
D	28.000 (711)	11.500 (292)	13.00 (330)	27.25 (692)	9.50 (241)	120

H2 Washdown Inverter/Encoderless Vector



3/4 thru 3 Hp
1 thru 7.5 Hp
1 thru 10 Hp
1 thru 10 Hp

115/230 VAC
230 VAC
460 VAC
575 VAC

1 Phase - 50/60 Hz
3 Phase - 50/60 Hz
3 Phase - 50/60 Hz
3 Phase - 60 Hz

Applications: Constant torque, variable torque or constant horsepower applications. New installations, replacements and original equipment manufacturers (OEM). Suitable for frequent washdowns.

Features: NEMA 4X indoor enclosure as standard. Output frequency 0 to 500 Hz with peak overload capacity of 175%. Separate accel/decel rates and controlled reversing. Built in two and three input PID process control loop.

Design Specifications

- Process follow $\pm 5\text{VDC}$ 0-5 VDC, $\pm 10\text{VDC}$, 0-10 VDC, 0-20mA, 4-20mA, digital via keypad or serial
- Linear or S-curve deceleration
- 2 assignable analog outputs
- 2 assignable opto outputs
- 2 assignable relay outputs
- 2 assignable analog inputs
- Auto tuning to motor
- Adaptive tuning to load
- USB 2.0 full speed port
- ModBus RTU port

Operator Keypad

- Forward/Reverse command
- Motor RUN and JOG
- Local/Remote key
- Stop command
- Parameter setting and display
- 128x64 graphical display
- Optional remote mount to 200 feet (60m) from control
- Upload and download parameter sets
- Help text displays

Environmental and Operating Conditions

- Input voltage
 - 1 phase 106-118 $\pm 10\%$
 - 1 phase 200-240 $\pm 10\%$
 - 3 phase 200-240 VAC $\pm 10\%$
 - 3 phase 378-480 VAC $\pm 10\%$
 - 3 phase 573-600 VAC $\pm 10\%$
- Input frequency - 50 or 60Hz $\pm 5\%$
- Service factor - 1.0
- Duty - continuous
- Humidity - 100% max RH non-condensing
- Altitude - 3300 feet (1000m) max without derate

Protective Features

- Adjustable current limit
- DC bus charge indicator
- Fault indicator
- Adjustable time based overload
- Cause of last 10 faults or alarms retained in memory
- Fault trace function
- Digital display for fault conditions with real time clock
- Linear heat sink thermal sensor
- Isolated control circuitry
- 24 VDC isolated user supply

Output Ratings	Overload Capacity	150% for 60 seconds; 175% for 3 seconds for constant torque				
		115% for 60 seconds for variable torque				
	Frequency	0-500 Hz standard				
	Voltage	0-Maximum input voltage (RMS)				
Input Ratings	Frequency	50 or 60 Hz ± 5%				
	Voltage (VAC)	95 - 130	180 - 264	180-264	340-528	515 - 660
	Phase	Single Phase		Three phase (single phase with derate)		
	Impedance	1% minimum from mains connection				
Control Spec	Control Method	Sinewave carrier input, PWM output; selectable encoderless vector or V/Hz inverter				
	PWM Frequency	Adjustable 1-5 kHz standard, 5-16 kHz quiet				
	V/Hz Ratio	Linear to squared reduced, base frequency, output voltage, minimum frequency limit, maximum frequency limit				
	Torque Boost	0-30% of input voltage; automatic with manual override				
	Brake Torque	20% standard on Sizes AA and B, 1% standard on Size C				
	Skip Frequency	Three zones 0-Max frequency				
	Frequency Setting	±5 VDC, 0-5 VDC, ±10 VDC, 0-10 VDC, 0-20mA, 4-20mA, digital via keypad, Serial Comms/USB 2.0 and ModBus RTU std.				
	Accel/Decel	Separate accel/decel rates, 0-3600 sec to maximum frequency, linear, S-curve, C-curve				
	PC Setup Software	Workbench Software available via connection to USB2.0 port for commissioning wizard, firmware download, parameter viewer, scope capture and cloning				
Protective Functions	Inverter Trip	Over voltage, over current, under voltage, external trip, heatsink thermal, motor overload				
	Stall Prevention	Over voltage suppression, overcurrent suppression				
	External Output	OPTO isolated outputs, relay outputs, and LED indicator for trip				
	Short Circuit	Phase to phase, phase to ground				
Keypad Display	Running	Output frequency, set frequency, output current(%), voltage, RPM, custom units, power, energy consumed				
	Setting	Parameter values for setup and review				
	Trip	Separate message for each trip, cause of last 10 faults or alarms retained in memory				
Ambient Conditions	Temperature	-10 to + 45°C For UL Listing				
	Cooling	Forced air when required				

OPTIONS: See page 199 for optional Expansion Boards including Ethernet, Isolated Input etc. See page 198 for optional Dynamic Braking Assemblies.

HVAC Motors

Farm Duty Motors

Definite Purpose Motors

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Start & Dynamic Brakes

H2 Washdown Inverter/Encoderless Vector - 115/230 and 230 Volts – Constant Torque

Hp	Volt	Output Current		Catalog Number	List Price	Mult. Sym.	Size
		Cont.	Peak				
Output Ratings with 2.5 kHz PWM Frequency - Single Phase Input							
1	115/230	4.2	7.4	IHH601-W*	1076	E1	AA
2	115/230	6.8	11.9	IHH602-W*	1223	E1	AA
3	115/230	9.6	16.8	IHH603-W*	1429	E1	AA
Output Ratings with 2.5 kHz PWM Frequency - Three Phase Input							
1	230	4.2	7.4	IHH201-W	1076	E1	AA
2	230	6.8	11.9	IHH202-W	1223	E1	AA
3	230	9.6	16.8	IHH203-W	1429	E1	AA
5	230	15.2	26.6	IHH205-W	1645	E1	AA
7 1/2	230	22	38.5	IHH207-W	2049	E1	AA
Output Ratings with 8.0 kHz PWM Frequency - "Quiet Drive™" - Single Phase Input							
3/4	115/230	3.2	5.6	IHH601-W	1076	E1	AA
1	115/230	4.2	7.4	IHH602-W	1223	E1	AA
2	115/230	6.8	11.9	IHH603-W	1429	E1	AA
Output Ratings with 8.0 kHz PWM Frequency - "Quiet Drive™" - Three Phase Input							
1	230	4.2	7.4	IHH201-W	1076	E1	AA
2	230	6.8	11.9	IHH203-W	1429	E1	AA
3	230	9.6	16.8	IHH205-W	1645	E1	AA
5	230	15.2	26.6	IHH207-W	2049	E1	AA

H2 Washdown Inverter/Encoderless Vector - 115/230 and 230 Volts – Variable Torque

Hp	Volt	Output Current		Catalog Number	List Price	Mult. Sym.	Size
		Cont.	Peak				
Output Ratings with 2.5 kHz PWM Frequency - Single Phase Input							
2	115/230	6.8	7.8	IHH601-W*	1076	E1	AA
3	115/230	9.6	11	IHH602-W*	1223	E1	AA
Output Ratings with 2.5 kHz PWM Frequency - Three Phase Input							
2	230	6.8	7.8	IHH201-W	1076	E1	AA
3	230	9.6	11	IHH202-W	1223	E1	AA
5	230	15.2	17.5	IHH203-W	1429	E1	AA
7 1/2	230	22	25.3	IHH205-W	1645	E1	AA
Output Ratings with 8.0 kHz PWM Frequency - "Quiet Drive™" - Single Phase Input							
1	115/230	4.2	4.8	IHH601-W	1076	E1	AA
2	115/230	6.8	7.8	IHH602-W	1223	E1	AA
3	115/230	9.6	11	IHH603-W	1429	E1	AA
Output Ratings with 8.0 kHz PWM Frequency - "Quiet Drive™" - Three Phase Input							
1	230	4.2	4.8	IHH201-W	1076	E1	AA
2	230	6.8	7.8	IHH202-W	1223	E1	AA
3	230	9.6	11	IHH203-W	1429	E1	AA
5	230	15.2	17.5	IHH205-W	1645	E1	AA
7 1/2	230	22	25.3	IHH207-W	2049	E1	AA

OPTIONS: Dimensions are listed on page 186. See page 199 for optional Expansion Boards. See page 198 for optional Dynamic Braking Assemblies.

See notes on pages 8 and 9, and inside back flap.

* Single phase input voltage to control, three phase output voltage from control to motor.

Red catalog number = New item

H2 Washdown Inverter/Encoderless Vector - 460 Volts – Constant Torque

Hp	Volt	Output Current		Catalog Number	List Price	Mult. Sym.	Size
		Cont.	Peak				
Output Ratings with 2.5 kHz PWM Frequency							
1	460	2.1	3.7	IHH401-W	1425	E1	AA
2	460	3.4	6	IHH402-W	1637	E1	AA
3	460	4.8	8.4	IHH403-W	1904	E1	AA
5	460	7.6	13.3	IHH405-W	2137	E1	AA
7 1/2	460	11	19.3	IHH407-W	3073	E1	AA
10	460	14	36.8	IHH410-W	3263	E1	AA
Output Ratings with 8.0 kHz PWM Frequency - "Quiet Drive™"							
3/4	460	2.1	3.7	IHH401-W	1425	E1	AA
1	460	2.1	3.7	IHH402-W	1637	E1	AA
2	460	3.4	6	IHH403-W	1904	E1	AA
3	460	4.8	8.4	IHH405-W	2137	E1	AA
5	460	7.6	13.3	IHH407-W	3073	E1	AA
7 1/2	460	11	19.3	IHH410-W	3263	E1	AA

H2 Washdown Inverter/Encoderless Vector - 460 Volts – Variable Torque

Hp	Volt	Output Current		Catalog Number	List Price	Mult. Sym.	Size
		Cont.	Peak				
Output Ratings with 2.5 kHz PWM Frequency							
2	460	3.4	3.9	IHH401-W	1425	E1	AA
3	460	4.8	5.5	IHH402-W	1637	E1	AA
5	460	7.6	8.8	IHH403-W	1904	E1	AA
7 1/2	460	11	12.7	IHH405-W	2137	E1	AA
10	460	14	16.1	IHH407-W	3073	E1	AA
Output Ratings with 8.0 kHz PWM Frequency - "Quiet Drive™"							
1	460	2.1	2.4	IHH401-W	1425	E1	AA
2	460	3.4	3.9	IHH402-W	1637	E1	AA
3	460	4.8	5.5	IHH403-W	1904	E1	AA
5	460	7.6	8.8	IHH405-W	2137	E1	AA
7.5	460	11	12.7	IHH407-W	3073	E1	AA
10	460	14	16.1	IHH410-W	3263	E1	AA

OPTIONS: Dimensions are listed on page 186. See page 199 for optional Expansion Boards. See page 198 for optional Dynamic Braking Assemblies.

See notes on pages 8 and 9, and inside back flap.

Red catalog number = New item

H2 Washdown Inverter/Encoderless Vector - 575 Volts – Constant Torque

Hp	Volt	Output Current		Catalog Number	List Price	Mult. Sym.	Size
		Cont.	Peak				
Output Ratings with 2.5 kHz PWM Frequency							
1	575	1.7	3	IHH501-W	1639	E1	AA
2	575	2.7	4.7	IHH502-W	1884	E1	AA
3	575	3.9	6.8	IHH503-W	2190	E1	AA
5	575	6.1	10.7	IHH505-W	2458	E1	AA
7 1/2	575	9	15.8	IHH507-W	3533	E1	AA
10	575	11	19.3	IHH510-W	3761	E1	AA
Output Ratings with 8.0 kHz PWM Frequency - "Quiet Drive™"							
3/4	575	1.3	2.3	IHH501-W	1639	E1	AA
1	575	1.7	3	IHH502-W	1884	E1	AA
2	575	2.7	4.7	IHH503-W	2190	E1	AA
3	575	3.9	6.8	IHH505-W	2458	E1	AA
5	575	6.1	10.7	IHH507-W	3533	E1	AA
7 1/2	575	9	15.8	IHH510-W	3761	E1	AA

H2 Washdown Inverter/Encoderless Vector - 575 Volts – Variable Torque

Hp	Volt	Output Current		Catalog Number	List Price	Mult. Sym.	Size
		Cont.	Peak				
Output Ratings with 2.5 kHz PWM Frequency							
2	575	2.7	3.1	IHH501-W	1639	E1	AA
3	575	3.9	4.5	IHH502-W	1884	E1	AA
5	575	6.1	7	IHH503-W	2190	E1	AA
7 1/2	575	9	10.4	IHH505-W	2458	E1	AA
10	575	11	12.7	IHH507-W	3533	E1	AA
Output Ratings with 8.0 kHz PWM Frequency - "Quiet Drive™"							
1	575	1.7	2	IHH501-W	1639	E1	AA
2	575	2.7	3.1	IHH502-W	1884	E1	AA
3	575	3.9	4.5	IHH503-W	2190	E1	AA
5	575	6.1	7	IHH505-W	2458	E1	AA
7 1/2	575	9	10.4	IHH507-W	3533	E1	AA
10	575	11	12.7	IHH510-W	3761	E1	AA

OPTIONS: Dimensions are listed on page 186. See page 199 for optional Expansion Boards. See page 198 for optional Dynamic Braking Assemblies.

See notes on pages 8 and 9, and inside back flap.

Red catalog number = New item

Dimensions in/(mm)

Size	Outside			Mounting		Ap'x Shpg. Wgt.
	Height	Width	Depth	Height	Width	
AA	12.272 (312)	7.974 (203)	8.21 (208)	11.75 (298)	7.38 (187)	20

H2 Vector Drive



1 thru 3 Hp
3/4 thru 75 Hp
3/4 thru 150 Hp
3/4 thru 150 Hp

115/230 VAC
230 VAC
460 VAC
575 VAC

1 Phase - 50/60 Hz
3 Phase - 50/60 Hz
3 Phase - 50/60 Hz
3 Phase - 60 Hz

Applications: Constant torque or constant horsepower applications. New installations, replacements and original equipment manufacturers (OEM).

Features: NEMA 1 enclosure as standard. Output frequency 0 to 500 Hz with peak overload capacity of 175%. Automatic tuning to motor and full rated torque down to zero speed. Digital speed or torque control. Built in two and three input PID process control loop.

Design Specifications

- Motor shaft orient to marker
- Process follow $\pm 5\text{VDC}$ 0-5 VDC, $\pm 10\text{VDC}$ 0-10 VDC, 4-20mA, 0-20mA, digital via keypad or serial
- Linear or S-curve deceleration
- 2 assignable analog outputs
- 2 assignable opto outputs
- 2 assignable relay outputs
- 2 assignable analog inputs
- Auto tuning to motor
- Adaptive tuning to load
- USB 2.0 full speed port
- ModBus RTU port

Operator Keypad

- Forward/Reverse command
- Motor RUN and JOG
- Local/Remote key
- Parameter setting and display
- Stop command
- 128 x 64 Graphical Display
- Remote mount to 200 feet (60m) from control
- NEMA 4X enclosure when mounted on panel
- Upload and download parameter sets
- Help text displays

Environmental and Operating Conditions

- Input voltage
 - 1 phase 106-118 $\pm 10\%$
 - 1 phase 200-240 $\pm 10\%$
 - 3 phase 200-240 VAC $\pm 10\%$
 - 3 phase 378-480 VAC $\pm 10\%$
 - 3 phase 573-600 VAC $\pm 10\%$
- Input frequency - 50 or 60Hz $\pm 5\%$
- Service factor - 1.0
- Duty - continuous
- Humidity - 90% max RH non-condensing
- Altitude - 3300 feet (1000m) max without derate

Protective Features

- Adjustable current limit
- Isolated control circuitry
- Digital display for fault conditions with real time clock
- Fault trace function
- Selectable automatic restart at momentary power loss
- DC bus charge indicator
- Cause of last 10 faults or alarms retained in memory
- 24 VDC isolated user supply
- Isolated encoder power supply

Output Ratings	Overload Capacity	150% for 60 seconds, 175% for 3 seconds for constant torque				
		115% for 60 seconds for variable torque				
	Frequency	0-500 Hz				
	Voltage	0-maximum input voltage (RMS)				
Input Ratings	Frequency	50 or 60 Hz ±5%				
	Voltage (VAC)	95 - 130	180 - 264	180 - 264	340 - 528	515 - 660
	Phase	Single Phase		Three phase (single phase with derate)		
	Impedance	1% minimum from mains connection				
Control Spec	Control Method	Microprocessor controlled PWM output, selectable closed loop vector; encoderless vector; or V/Hz inverter				
	PWM Frequency	Adjustable 1-5kHz STD, 5-16 kHz quiet				
	Speed Setting	±5 VDC, 0-5 VDC ±10 VDC, 0-10 VDC, 4-20 mA, 0-20 mA; digital via keypad, Serial Comms/USB 2.0, and ModBus RTU standard				
	Accel/Decel	Separate accel/decel rates, 0-3600 sec. linear, s-curve, c-curve				
	Motor Matching	Automatic tuning to motor with manual override				
	PC Setup Software	Workbench Software available via connection to USB2.0 port for commissioning wizard, firmware download, parameter viewer, scope capture and cloning				
Motor Feedback	Feedback Type	Incremental encoder coupled to motor shaft; optional resolver feedback				
	Pulses/Rev	60-20,000 selectable, 1024 standard				
	Voltage Output	2 channel in quadrature, 5 VDC, differential				
	Marker Pulse	Required for position orientation				
	Power Input	5 VDC, 12 VDC, 300 mA maximum				
	Max. Frequency	4 MHz				
	Positioning	Buffered encoder pulse train output for position loop controller				
Protective Functions	Vector Trip	Missing control power, over current, over voltage, under voltage, motor over speed, encoder loss				
		Over temperature (motor or control), output shorted or grounded, motor overload				
	External Output	LED indicator for trip conditions, 4 assignable logic outputs, 2 assignable analog outputs 0-10 VDC, ±10 VDC				
	Short Circuit	Phase to phase, phase to ground				
Keypad Display	Running	Output frequency, motor RPM; output current, voltage (selectable), power, energy consumed				
	Setting	Parameter values for setup and review				
	Trip	Separate message for each trip, last 10 trips retained in memory				
Ambient Conditions	Temperature	-10 to 45°C for UL listing				
	Cooling	Forced air				

OPTIONS: See page 199 for optional Expansion Boards including Ethernet, Isolated Input, etc.
 See pages 198 for optional Dynamic Braking Assemblies.

HVAC Motors

Farm Duty Motors

Definite Purpose Motors

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Start & Dynamic Brakes

H2 Vector Drive - 115/230 and 230 Volts - Constant Torque

Hp	Volt	Output Current		Catalog Number	List Price	Mult. Sym.	Size
		Cont.	Peak				
Output Ratings with 2.5 kHz PWM Frequency - Single Phase Input							
1	115/230	4.2	7.4	ZHH601-E*	1489	E1	AA
2	115/230	6.8	11.9	ZHH602-E*	1668	E1	AA
3	115/230	9.6	16.8	ZHH603-E*	1924	E1	AA
Output Ratings with 2.5 kHz PWM Frequency - Three Phase Input							
1	230	4.2	7.4	ZHH201-E	1489	E1	AA
2	230	6.8	11.9	ZHH202-E	1668	E1	AA
3	230	9.6	16.8	ZHH203-E	1924	E1	AA
5	230	15.2	26.6	ZHH205-E	2148	E1	AA
7 1/2	230	22	38.5	ZHH207-E	2535	E1	AA
10	230	28	49	ZHH210-E	3560	E1	B
15	230	42	74	ZHH215-E	4528	E1	B
20	230	55	96	ZHH220-E	5158	E1	B
25	230	68	119	ZHH225-E	7379	E1	C
30	230	80	140	ZHH230-E	8064	E1	C
40	230	104	182	ZHH240-E	10622	E1	C
50	230	130	228	ZHH250-E	12782	E1	D
60	230	154	270	ZHH260-E	14523	E1	D
Output Ratings with 8.0 kHz PWM Frequency - "Quiet Drive™" - Single Phase Input							
3/4	115/230	3.2	5.6	ZHH601-E*	1489	E1	AA
1	115/230	4.2	7.4	ZHH602-E*	1668	E1	AA
2	115/230	6.8	11.9	ZHH603-E*	1924	E1	AA
Output Ratings with 8.0 kHz PWM Frequency - "Quiet Drive™" - Three Phase Input							
1	230	4.2	7.4	ZHH201-E	1489	E1	AA
2	230	6.8	11.9	ZHH203-E	1924	E1	AA
3	230	9.6	16.8	ZHH205-E	2148	E1	AA
5	230	15.2	26.6	ZHH207-E	2535	E1	AA
7 1/2	230	22	38.5	ZHH210-E	3560	E1	B
10	230	28	49	ZHH215-E	4528	E1	B
15	230	42	74	ZHH220-E	5158	E1	B
20	230	55	96	ZHH225-E	7379	E1	C
25	230	68	119	ZHH230-E	8064	E1	C
30	230	80	140	ZHH240-E	10622	E1	C
40	230	104	182	ZHH250-E	12782	E1	D
50	230	130	228	ZHH260-E	14523	E1	D

OPTIONS: Dimensions are listed on page 197. See pages 199 for optional Expansion Boards. See pages 198 for optional Dynamic Braking Assemblies.

See notes on pages 8 and 9, and inside back flap.

* Single phase input voltage to control, three phase output voltage from control to motor.

HVAC Motors

Farm Duty Motors

Definite Purpose Motors

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Start & Dynamic Brakes

H2 Vector Drive - 115/230 and 230 Volts - Variable Torque

Hp	Volt	Output Current		Catalog Number	List Price	Mult. Sym.	Size
		Cont.	Peak				
Output Ratings with 2.5 kHz PWM Frequency - Single Phase Input							
2	115/230	6.8	7.8	ZHH601-E*	1489	E1	AA
3	115/230	9.6	11	ZHH602-E*	1668	E1	AA
Output Ratings with 2.5 kHz PWM Frequency - Three Phase Input							
2	230	6.8	7.8	ZHH201-E	1489	E1	AA
3	230	9.6	11	ZHH202-E	1668	E1	AA
5	230	15.2	17.5	ZHH203-E	1924	E1	AA
7 1/2	230	22	25.3	ZHH205-E	2148	E1	AA
7 1/2	230	22	32.2	ZHH207-E	2535	E1	AA
15	230	42	48.3	ZHH210-E	3560	E1	B
20	230	54	62.1	ZHH215-E	4528	E1	B
30	230	80	92	ZHH225-E	7379	E1	C
40	230	104	120	ZHH230-E	8064	E1	C
60	230	154	177	ZHH250-E	12782	E1	D
75	230	192	221	ZHH260-E	14523	E1	D
Output Ratings with 8.0 kHz PWM Frequency - "Quiet Drive™" - Single Phase Input							
1	115/230	4.2	4.8	ZHH601-E*	1489	E1	AA
2	115/230	6.8	7.8	ZHH602-E*	1668	E1	AA
3	115/230	9.6	11	ZHH603-E*	1924	E1	AA
Output Ratings with 8.0 kHz PWM Frequency - "Quiet Drive™" - Three Phase Input							
1	230	4.2	4.8	ZHH201-E	1489	E1	AA
2	230	6.8	7.8	ZHH202-E	1668	E1	AA
3	230	9.6	11	ZHH203-E	1924	E1	AA
5	230	15.2	17.5	ZHH205-E	2148	E1	AA
7 1/2	230	22	25.3	ZHH207-E	2535	E1	AA
10	230	28	32.2	ZHH210-E	3560	E1	B
15	230	42	48.3	ZHH215-E	4528	E1	B
20	230	54	62.1	ZHH220-E	5158	E1	B
25	230	68	78.2	ZHH225-E	7379	E1	C
30	230	80	92	ZHH230-E	8064	E1	C
40	230	104	120	ZHH240-E	10622	E1	C
50	230	130	167	ZHH250-E	12782	E1	D
60	230	154	177	ZHH260-E	14523	E1	D

OPTIONS: Dimensions are listed on page 197. See pages 199 for optional Expansion Boards. See pages 198 for optional Dynamic Braking Assemblies. See notes on pages 8 and 9, and inside back flap.

* Single phase input voltage to control, three phase output voltage from control to motor.

H2 Vector Drive - 460 Volts - Constant Torque

Hp	Volt	Output Current		Catalog Number	List Price	Mult. Sym.	Size
		Cont.	Peak				
Output Ratings with 2.5 kHz PWM Frequency							
1	460	2.1	3.7	ZHH401-E	1976	E1	AA
2	460	3.4	6	ZHH402-E	2268	E1	AA
3	460	4.8	8.4	ZHH403-E	2598	E1	AA
5	460	7.6	13.3	ZHH405-E	2871	E1	AA
7 1/2	460	11	19.3	ZHH407-E	4103	E1	AA
10	460	14	24.5	ZHH410-E	4271	E1	AA
15	460	21	36.8	ZHH415-E	4613	E1	B
20	460	27	47.3	ZHH420-E	5239	E1	B
25	460	34	60	ZHH425-E	6708	E1	B
30	460	40	70	ZHH430-E	8192	E1	C
40	460	52	91	ZHH440-E	9866	E1	C
50	460	65	114	ZHH450-E	12887	E1	C
60	460	77	135	ZHH460-E	14885	E1	D
75	460	96	168	ZHH475-E	16530	E1	D
100	460	124	217	ZHH4100-E	19663	E1	D
125	460	156	273	ZHH4125-E	22612	E1	D
Output Ratings with 8.0 kHz PWM Frequency - "Quiet Drive™"							
1	460	2.1	3.7	ZHH401-E	1976	E1	AA
2	460	3.4	6	ZHH403-E	2598	E1	AA
3	460	4.8	8.4	ZHH405-E	2871	E1	AA
5	460	7.6	13.3	ZHH407-E	4103	E1	AA
7 1/2	460	11	19.3	ZHH410-E	4271	E1	AA
10	460	14	24.5	ZHH415-E	4613	E1	B
15	460	21	36.8	ZHH420-E	5239	E1	B
20	460	27	47.3	ZHH425-E	6708	E1	B
25	460	34	60	ZHH430-E	8192	E1	C
30	460	40	70	ZHH440-E	9866	E1	C
50	460	65	114	ZHH460-E	14885	E1	D
60	460	77	135	ZHH475-E	16530	E1	D
75	460	96	168	ZHH4100-E	19663	E1	D
100	460	124	217	ZHH4125-E	22612	E1	D

OPTIONS: Dimensions are listed on page 197. See pages 199 for optional Expansion Boards. See pages 198 for optional Dynamic Braking Assemblies. See notes on pages 8 and 9, and inside back flap.
 Red catalog number = New item

HVAC Motors

Farm Duty Motors

Definite Purpose Motors

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Start & Dynamic Brakes

H2 Vector Drive - 460 Volts - Variable Torque

Hp	Volt	Output Current		Catalog Number	List Price	Mult. Sym.	Size
		Cont.	Peak				
Output Ratings with 2.5 kHz PWM Frequency							
2	460	3.4	3.9	ZHH401-E	1976	E1	AA
3	460	4.8	5.5	ZHH402-E	2268	E1	AA
5	460	7.6	8.8	ZHH403-E	2598	E1	AA
7 1/2	460	11	12.7	ZHH405-E	2871	E1	AA
10	460	14	16.1	ZHH407-E	4103	E1	AA
20	460	27	33.8	ZHH415-E	4613	E1	B
25	460	34	42.5	ZHH420-E	5239	E1	B
30	460	40	50	ZHH425-E	6708	E1	B
40	460	52	60	ZHH430-E	8192	E1	C
50	460	65	75	ZHH440-E	9866	E1	C
60	460	77	89	ZHH450-E	12887	E1	C
75	460	96	110	ZHH460-E	14885	E1	D
100	460	124	143	ZHH475-E	16530	E1	D
125	460	156	179	ZHH4100-E	19663	E1	D
150	460	180	207	ZHH4125-E	22612	E1	D
Output Ratings with 8.0 kHz PWM Frequency - "Quiet Drive™"							
1	460	2.1	2.4	ZHH401-E	1976	E1	AA
2	460	3.4	3.9	ZHH402-E	2268	E1	AA
3	460	4.8	5.5	ZHH403-E	2598	E1	AA
5	460	7.6	8.8	ZHH405-E	2871	E1	AA
7 1/2	460	11	12.7	ZHH407-E	4103	E1	AA
10	460	14	16.1	ZHH410-E	4271	E1	AA
15	460	21	24.2	ZHH415-E	4613	E1	B
20	460	27	31	ZHH420-E	5239	E1	B
25	460	34	39.1	ZHH425-E	6708	E1	B
30	460	40	46	ZHH430-E	8192	E1	C
40	460	52	60	ZHH440-E	9866	E1	C
60	460	77	89	ZHH460-E	14885	E1	D
75	460	96	110	ZHH475-E	16530	E1	D
100	460	124	143	ZHH4100-E	19663	E1	D
125	460	156	179	ZHH4125-E	22612	E1	D

OPTIONS: Dimensions are listed on page 197. See pages 199 for optional Expansion Boards. See pages 198 for optional Dynamic Braking Assemblies.

See notes on pages 8 and 9, and inside back flap.

Red catalog number = New item

HVAC Motors

Farm Duty Motors

Definite Purpose Motors

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Start & Dynamic Brakes

H2 Vector Drive - 575 Volts - Constant Torque

Hp	Volt	Output Current		Catalog Number	List Price	Mult. Sym.	Size
		Cont.	Peak				
Output Ratings with 2.5 kHz PWM Frequency							
1	575	1.7	3	ZHH501-E	2274	E1	AA
2	575	2.7	4.7	ZHH502-E	2607	E1	AA
3	575	3.9	6.8	ZHH503-E	2987	E1	AA
5	575	6.1	10.7	ZHH505-E	3301	E1	AA
7 1/2	575	9	15.8	ZHH507-E	4164	E1	AA
10	575	11	19.3	ZHH510-E	4642	E1	AA
15	575	17	29.8	ZHH515-E	5536	E1	B
20	575	22	38.5	ZHH520-E	6446	E1	B
25	575	27	47.2	ZHH525-E	8119	E1	B
30	575	32	56	ZHH530-E	9167	E1	C
40	575	41	72	ZHH540-E	11304	E1	C
50	575	52	91	ZHH550-E	15465	E1	C
60	575	62	109	ZHH560-E	17862	E1	D
75	575	77	135	ZHH575-E	18919	E1	D
100	575	99	173	ZHH5100-E	23593	E1	D
125	575	125	219	ZHH5125-E	26267	E1	D
Output Ratings with 8.0 kHz PWM Frequency - "Quiet Drive™"							
3/4	575	1.3	2.3	ZHH501-E	2274	E1	AA
2	575	2.7	4.7	ZHH503-E	2987	E1	AA
3	575	3.9	6.8	ZHH505-E	3301	E1	AA
5	575	6.1	10.7	ZHH507-E	4164	E1	AA
7 1/2	575	9	15.8	ZHH510-E	4642	E1	AA
10	575	11	19.3	ZHH515-E	5536	E1	B
15	575	17	29.8	ZHH520-E	6446	E1	B
20	575	22	38.5	ZHH525-E	8119	E1	B
50	575	52	91	ZHH560-E	17862	E1	D
60	575	62	109	ZHH575-E	18919	E1	D
75	575	77	135	ZHH5100-E	23593	E1	D
100	575	99	173	ZHH5125-E	26267	E1	D

OPTIONS: See pages 199 for optional Expansion Boards. See pages 198 for optional Dynamic Braking Assemblies.
See notes on pages 8 and 9, and inside back flap.
Red catalog number = New item

HVAC Motors

Farm Duty Motors

Definite Purpose Motors

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Start & Dynamic Brakes

H2 Vector Drive - 575 Volts - Variable Torque

Hp	Volt	Output Current		Catalog Number	List Price	Mult. Sym.	Size
		Cont.	Peak				
Output Ratings with 2.5 kHz PWM Frequency							
2	575	2.7	3.1	ZHH501-E	2274	E1	AA
3	575	3.9	4.5	ZHH502-E	2607	E1	AA
5	575	6.1	7	ZHH503-E	2987	E1	AA
7 1/2	575	9	10.4	ZHH505-E	3301	E1	AA
10	575	11	12.7	ZHH507-E	4164	E1	AA
20	575	22	25.3	ZHH515-E	5536	E1	B
25	575	27	31	ZHH520-E	6446	E1	B
30	575	32	36.8	ZHH525-E	8119	E1	B
40	575	41	51.25	ZHH530-E	9167	E1	C
50	575	52	60	ZHH540-E	11304	E1	C
60	575	62	71	ZHH550-E	15465	E1	C
75	575	77	89	ZHH560-E	17862	E1	D
100	575	99	114	ZHH575-E	18919	E1	D
125	575	125	144	ZHH5100-E	23593	E1	D
150	575	144	166	ZHH5125-E	26267	E1	D
Output Ratings with 8.0 kHz PWM Frequency - "Quiet Drive™"							
1	575	1.7	2	ZHH501-E	2274	E1	AA
2	575	2.7	3.1	ZHH502-E	2607	E1	AA
3	575	3.9	4.5	ZHH503-E	2987	E1	AA
5	575	6.1	7	ZHH505-E	3301	E1	AA
7 1/2	575	9	10.4	ZHH507-E	4164	E1	AA
10	575	11	12.7	ZHH510-E	4642	E1	AA
15	575	17	19.6	ZHH515-E	5536	E1	B
20	575	22	25.3	ZHH520-E	6446	E1	B
25	575	27	31	ZHH525-E	8119	E1	B
60	575	62	71	ZHH560-E	17862	E1	D
75	575	77	89	ZHH575-E	18919	E1	D
100	575	99	114	ZHH5100-E	23593	E1	D
125	575	125	144	ZHH5125-E	26267	E1	D

OPTIONS: See pages 199 for optional Expansion Boards. See pages 198 for optional Dynamic Braking Assemblies.

See notes on pages 8 and 9, and inside back flap.

Red catalog number = New item

Dimensions in/(mm)

Size	Outside			Mounting		Ap'x Shpg. Wgt.
	Height	Width	Depth	Height	Width	
AA	12.272 (312)	7.974 (203)	8.21 (208)	11.75 (298)	7.38 (187)	20
B	18.000 (457)	9.100 (231)	9.75 (248)	17.25 (438)	7.00 (178)	30
C	22.000 (559)	9.100 (231)	9.75 (248)	21.25 (540)	7.00 (178)	60
D	28.000 (711)	11.500 (292)	13.000 (330)	27.25 (692)	9.50 (241)	120

HVAC Motors

Farm Duty Motors

Definite Purpose Motors

Brake Motors

200 & 575 Volt Motors

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50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Start & Dynamic Brakes

H2 Drive Keypad Extension Cable

For the convenience of our customers, we offer a connector plug/cable assembly. This assembly provides the connectors from the keypad to the control for remote keypad operation.

Catalog Number	Cable Extension Length	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.
CBLHH015KP	5 feet (1.5 meter)	44	E8	1
CBLHH030KP	10 feet (3.0 meter)	64	E8	1
CBLHH046KP	15 feet (4.6 meter)	83	E8	1
CBLHH061KP	20 feet (6.1 meter)	102	E8	2
CBLHH091KP	30 feet (9.1 meter)	120	E8	3
CBLHH152KP	50 feet (15.2 meter)	171	E8	3
CBLHH229KP	75 feet (22.9 meter)	247	E8	4
CBLHH305KP	100 feet (30.5 meter)	323	E8	5
CBLHH457KP	150 feet (45.7 meter)	452	E8	7
CBLHH610KP	200 feet (61.0 meter)	578	E8	9

NOTE: Custom lengths available.

H2 Drive Dynamic Braking Resistor Assemblies

Dynamic Braking Resistor Assemblies include braking resistors completely assembled and mounted into a NEMA 1 enclosure. Select the braking resistor that has correct ohm value for the control and adequate continuous watts capacity to meet load requirements.

Input Volts	Hp	Total Ohms	Continuous Rated Watts						
			600	1200	2400	4800	6400	9600	14200
230	1-7.5	20	RGA620	RGA1220	RGA2420				
	10-20	6		RGA1206	RGA2406	RGA4806			
	25-40	4		RGA1204	RGA2404	RGA4804			
	50-60	2				RGA4802	RGA6402	RGA9602	RGA14202
460	1-3	120	RGA6120	RGA12120	RGA24120				
	5-7.5	60	RGA660	RGA1260	RGA2460	RGA4860			
	10	30	RGA630	RGA1230	RGA2430	RGA4830			
	15-25	20	RGA620	RGA1220	RGA2420	RGA4820			
	30-60	10		RGA1210	RGA2410	RGA4810			
	75-125	4		RGA1204	RGA2404	RGA4801	RGA6404	RGA9604	RGA14204
575	1-3	120	RGA6120	RGA12120	RGA24120				
	5-10	60	RGA660	RGA1260	RGA2460	RGA4860			
	15-25	30	RGA630	RGA1230	RGA2430	RGA4830			
	30	24		RGA1224	RGA2424	RGA4824			
	40-125	14				RGA4814	RGA6414		
List Price			572	849	1299	2107	5312	8525	11731
Mult. Sym.			E8	E8	E8	E8	E8	E8	E8

H2 Drive Expansion Boards

Baldor offers a wide variety of plug-in expansion boards for the Series H2 Inverter, H2 Vector, and H2 Servo Drives. Expansion boards allow the drive to be interfaced with various inputs and outputs. Each control has the capability to utilize up to two expansion boards.

Board Number	Description	List Price	Mult. Sym.														
EXBHH001A01	Ethernet Server Expansion Board Provides easy connection to all drive parameters for setup and review using any PC based Web Browser via an Ethernet connection. Download parameter values, operating conditions, and fault log data for review and archive. Uses standard RJ-45 female terminal for ethernet connection.	163	E8														
EXBHH002A01	Mint® Expansion Board Provides standalone Position Controller capability for a single axis and is programmable in MINT. Position capabilities include Master Axis Follower, Electronic Gearbox, Flying Shears, Registration, Virtual Master, and CAM functions. uses MINT Workbench V 5.5 for setup and diagnostics. Master encoder input supports differential inputs for A, B and Z (Index pulse) and uses DB9 for connection. One CAN open channel is available for connection to additional I/O breakout box or CAN HMI terminal. Connection to PC is via USB 2.0 connector. Includes CD Rom, and 2m USB cable.	745	E8														
EXBHH003A01	Isolated Input Expansion Board Contains 9 isolated inputs jumper configurable for 90-130 VAC. All inputs must be the same voltage – one side of all inputs is common. This board replaces all the opto inputs on the main control board. Uses screw terminals for connection.	211	E8														
EXBHH005A01	High Resolution Analog Input/Output Board Provides 2 additional analog inputs and 2 additional analog outputs with up to 16 bits resolution. Acceptable DC inputs: ±10V, 0-10V, ±5V, with 300 microvolt resolution. Current inputs: 0-20mA, 4-20mA, with 0.6 microamp resolution. <table><tr><td>Input</td><td>Resolution</td></tr><tr><td>± 10 V</td><td>16 bit</td></tr><tr><td>0 - 10 V</td><td>15 bit</td></tr><tr><td>± 5 V</td><td>15 bit</td></tr><tr><td>0 - 5 V</td><td>14 bit</td></tr><tr><td>0-20 mA</td><td>15 bit</td></tr><tr><td>4 - 20 mA</td><td>15 bit</td></tr></table> All inputs can be inverted through software. Analog Outputs can be ±10V, 0-10V, ±5V, 0-20mA or 4-20mA	Input	Resolution	± 10 V	16 bit	0 - 10 V	15 bit	± 5 V	15 bit	0 - 5 V	14 bit	0-20 mA	15 bit	4 - 20 mA	15 bit	330	E8
Input	Resolution																
± 10 V	16 bit																
0 - 10 V	15 bit																
± 5 V	15 bit																
0 - 5 V	14 bit																
0-20 mA	15 bit																
4 - 20 mA	15 bit																
EXBHH007A01	Master Pulse Reference / Isolated Pulse Follower–Bi-directional jumper selectable for: 1. Accepts a 5V or 12V quadrature pulse train input or pulse and direction input to use as a master reference. 2. Re-transmits the input pulse train at 5 Vdc for different ratios from 1:20 up to 65535:1. (Scaled output) 3. Can be used as a auxillary encoder input to the control. 4. A CANOpen port utilizing a RJ-45 female connector for adding an additional I/O breakout box or CAN HMI terminal.	539	E8														
EXBHH012A01	Ethernet IP Communications Expansion Board Allows H2 Drives to be connected to Ethernet IP Communications Bus. Uses plug-in terminals for connection.	548	E8														
EXBHH013A01	DeviceNet Expansion Board Allows H2 Drives to be connected to DeviceNet Communications Bus. Uses plug-in terminals for connection.	558	E8														
EXBHH014A01	Profibus DP Expansion Board Allows H2 Drives to be connected to Profibus Communications Bus. Uses DB - 9 female tyoe connector	670	E8														
EXBHH016A01	LonWorks Communications Expansion Board Allows H2 Drives to be connected to LonWorks Communications Bus. Uses RJ-45 female type connector.	548	E8														

Series 15H Inverter

3/4 thru 50 Hp	230 VAC	3 Phase - 50/60 Hz
3/4 thru 450 Hp	460 VAC	3 Phase - 50/60 Hz
3/4 thru 150 Hp	575 VAC	3 Phase - 60 Hz



Applications: Constant torque, variable torque or constant horsepower applications. New installations, replacements and original equipment manufacturers (OEM).

Features: NEMA 1 enclosure as standard. Output frequency 0.25 to 400 Hz with peak overload capacity of 170-200%. Separate accel/decel rates and controlled reversing. Built in two and three input PID process control loop.

Design Specifications

- Process follower 0-5 VDC, 0-10 VDC, 4-20 mA
- Free run or ramp stop
- Selectable preset speeds
- Jog speed
- Dynamic braking (optional on size C2 and larger)
- DC injection braking
- 2 analog meter outputs
- 2 opto isolated outputs
- 2 relay outputs
- Through wall & panel mount size C2, E and F.

Operator Keypad

- Forward/Reverse command
- Motor RUN and JOG
- Local/Remote key
- Stop command
- Parameter setting and display
- 32 character display
- Remote mount to 100 feet (60m) from control
- NEMA 4X enclosure when mounted on panel

Environmental and Operating Conditions

- Input voltage
 - 3 phase 200-240 VAC $\pm 10\%$
 - 3 phase 378-480 VAC $\pm 10\%$
 - 3 phase 573-600 VAC $\pm 10\%$
- Input frequency - 50 or 60Hz $\pm 5\%$
- Service factor - 1.0
- Duty - continuous
- Humidity - 90% max RH non-condensing
- Altitude - 3300 feet (1000m) max without derate

Protective Features

- Selectable automatic restart at momentary power loss
- DC bus charge indicator
- Fault indicator
- Adjustable time based overload
- Cause of last 31 trips retained in memory
- Digital display for fault conditions
- Linear heat sink thermal sensor
- Isolated control circuitry

Output Ratings	Overload Capacity	150% for 60 seconds; 170-200% for 3 seconds for constant torque 115% for 60 seconds for variable torque
	Frequency	0.25-400 Hz
	Voltage	0-Maximum input voltage (RMS)
Input Ratings	Frequency	50 or 60 Hz $\pm 5\%$
	Voltage	180 - 264 VAC; 340 - 528 VAC, 515 - 660 VAC
	Phase	Three phase (or single phase with derate)
	Impedance	1% minimum for size C2, F, G and G2 (3% minimum required for size A, B, D and E)
Control Spec	Control Method	Sinewave carrier input, PWM output
	PWM Frequency	Adjustable 1-5 kHz standard, 1-15 kHz quiet
	V/Hz Ratio	Linear to squared reduced, base frequency, output voltage, minimum frequency limit, maximum frequency limit
	Torque Boost	0-15% of input voltage; automatic with manual override
	Brake Torque	20% standard on -E and -W; and -EO requires external assembly
	Skip Frequency	Three zones 0-Max frequency
	Frequency Setting	0-5 VDC, 0-10 VDC, 4-20mA, digital via optional RS232/485
	Accel/Decel	Separate accel/decel rates, 0-3600 sec to maximum frequency
Protective Functions	Inverter Trip	Over voltage, over current, under voltage, external trip, heatsink thermal, motor overload
	Stall Prevention	Over voltage suppression, overcurrent suppression
	External Output	OPTO isolated outputs, relay outputs, and LED indicator for trip
	Short Circuit	Phase to phase, phase to ground
LCD Display	Running	Output frequency, set frequency, output current(%), voltage, RPM, custom units
	Setting	Parameter values for setup and review
	Trip	Separate message for each trip, cause of last 31 trips retained in memory
Ambient Conditions	Temperature	-10 to + 40°C For UL Listing
	Cooling	Forced air included when required

OPTIONS: See page 217-218 for optional Expansion Boards including RS-232, RS-485 isolated input etc. See page 215-216 for optional Dynamic Braking Assemblies.

Series 15H Inverter - 230 Volts - Constant Torque

Catalog Number	Standard Mode 2.5 kHz Output Current			Quiet Drive™ 8.0 kHz Output Current			List Price	Mult. Sym.	Size
	Hp	Cont.	Peak	Hp	Cont.	Peak			
ID15H201-E	1	4.2	8.4	3/4	3.2	6.4	1142	E1	A
ID15H202-E	2	7	14	1	4.2	8.4	1300	E1	A
ID15H203-E	3	10	20	2	7	14	1518	E1	A
ID15H205-E	5	16	32	3	10	20	1747	E1	A
ID15H207-E	7 1/2	22	38	5	16	32	2177	E1	B
ID15H210-E	10	28	56	7 1/2	22	44	3061	E1	B
ID15H215-E	15	42	71	10	28	56	4001	E1	B
ID15H220-EO	20	55	110	15	42	92	4941	E1	C2
ID15H225-EO	25	68	116	20	54	92	6616	E1	C2
ID15H230-EO	30	80	140	25	70	122	7592	E1	C2
ID15H240-MO	40	105	200	30	80	160	10113	E1	D
ID15H250-MO	50	130	225	40	105	183	12406	E1	D

Series 15H Inverter - 230 Volts - Variable Torque

Catalog Number	Standard Mode 2.5 kHz Output Current			Quiet Drive™ 8.0 kHz Output Current			List Price	Mult. Sym.	Size
	Hp	Cont.	Peak	Hp	Cont.	Peak			
ID15H201-E	2	7.0	8.1	1	4.2	4.9	1142	E1	A
ID15H202-E	3	10.0	12.0	2	7.0	8.0	1300	E1	A
ID15H203-E	5	16.0	19.0	3	10.0	12.0	1518	E1	A
ID15H205-E	7 1/2	22.0	25.0	5	16.0	19.0	1747	E1	A
ID15H207-E	10	28.0	32.0	7 1/2	22.0	25.0	2177	E1	B
ID15H210-E	15	42.0	48.0	10	28.0	32.0	3061	E1	B
ID15H215-E	15	42.0	48.0	15	42.0	48.0	4001	E1	B
ID15H220-EO	25	68.0	78.0	20	54.0	62.0	4941	E1	C2
ID15H225-EO	30	80.0	92.0	25	68.0	78.0	6616	E1	C2
ID15H230-EO	30	80.0	92.0	25	68.0	78.0	7592	E1	C2
ID15H240-MO	50	130.0	150.0	40	104.0	120.0	10113	E1	D
ID15H250-MO	50	130.0	150.0	50	130.0	150.0	12406	E1	D

OPTIONS: Dimensions are listed on page 203. See pages 217-218 for optional Expansion Boards. See pages 215-216 for optional Dynamic Braking Assemblies. See notes on pages 8 and 9, and inside back flap.

Series 15H Inverter - 460 Volts - Constant Torque

Catalog Number	Standard Mode 2.5 kHz Output Current			Quiet Drive™ 8.0 kHz Output Current			List Price	Mult. Sym.	Size
	Hp	Cont.	Peak	Hp	Cont.	Peak			
ID15H401-E	1	2.1	4.2	3/4	1.6	3.2	1513	E1	A
ID15H402-E	2	4.0	8.0	1	2.1	4.2	1740	E1	A
ID15H403-E	3	5.0	10.0	2	4.0	8.0	2023	E1	A
ID15H405-E	5	8.0	16.0	3	5.0	10.0	2270	E1	A
ID15H407-E	7 1/2	11.0	22.0	5	8.0	16.0	3263	E1	A
ID15H410-E	10	14.0	28.0	7 1/2	11.0	22.0	3467	E1	B
ID15H415-E	15	21.0	42.0	10	14.0	28.0	4124	E1	B
ID15H420-EO	20	27.0	50.0	15	21.0	46.0	4969	E1	C2
ID15H425-EO	25	34.0	58.0	20	27.0	46.0	6546	E1	C2
ID15H430-EO	30	40.0	68.0	25	35.0	61.0	7884	E1	C2
ID15H440-EO	40	55.0	94.0	30	40.0	68.0	9237	E1	C2
ID15H450-EO	50	65.0	115.0	40	55.0	92.0	12527	E1	D
ID15H460-EO	60	80.0	140.0	50	65.0	122.0	13670	E1	D
ID15H475-EO	75	100.0	200.0	60	80.0	160.0	14375	E1	E
ID15H4100-EO	100	125.0	220.0	75	100.0	183.0	17866	E1	E
ID15H4150V-EO	150	180.0	300.0	100	125.0	240.0	20218	E1	E
ID15H4150-EO	150	190.0	380.0	125	150.0	260.0	26144	E1	F
ID15H4200-EO	200	250.0	500.0	150	190.0	380.0	32767	E1	F
ID15H4250-EO	250	310.0	620.0	200	250.0	500.0	39651	E1	F
ID15H4300-EO	300	370.0	630.0	—	—	—	50126	E1	G2
ID15H4350-EO	350	420.0	720.0	—	—	—	58910	E1	G2
ID15H4400-EO	400	480.0	820.0	—	—	—	65533	E1	G2
ID15H4450-EO	450	540.0	855.0	—	—	—	76502	E1	G

Series 15H Inverter - 460 Volts - Variable Torque

Catalog Number	Standard Mode 2.5 kHz Output Current			Quiet Drive™ 8.0 kHz Output Current			List Price	Mult. Sym.	Size
	Hp	Cont.	Peak	Hp	Cont.	Peak			
ID15H401-E	2	4.0	5.0	1	2.1	2.5	1513	E1	A
ID15H402-E	3	5.0	6.0	2	4.0	5.0	1740	E1	A
ID15H403-E	5	8.0	10.0	3	5.0	6.0	2023	E1	A
ID15H405-E	7 1/2	11.0	13.0	5	8.0	10.0	2270	E1	A
ID15H407-E	10	14.0	17.0	7 1/2	11.0	13.0	3263	E1	A
ID15H410-E	15	21.0	25.0	10	14.0	17.0	3467	E1	B
ID15H415-E	20	27.0	31.0	15	21.0	25.0	4124	E1	B
ID15H420-EO	25	34.0	39.0	20	27.0	31.0	4969	E1	C2
ID15H425-EO	30	40.0	46.0	25	34.0	39.0	6546	E1	C2
ID15H430-EO	40	52.0	60.0	30	40.0	46.0	7884	E1	C2
ID15H440-EO	40	40.0	68.0	40	52.0	60.0	9237	E1	C2
ID15H450-EO	60	80.0	92.0	50	65.0	75.0	12527	E1	D
ID15H460-EO	75	100.0	115.0	60	80.0	92.0	13670	E1	D
ID15H475-EO	100	125.0	144.0	75	100.0	115.0	14375	E1	E
ID15H4100-EO	125	160.0	184.0	100	125.0	144.0	17866	E1	E
ID15H4150V-EO	150	180.0	207.0	125	160.0	184.0	20218	E1	E
ID15H4150-EO	200	240.0	276.0	150	170.0	200.0	26144	E1	F
ID15H4200-EO	250	310.0	360.0	175	210.0	240.0	32767	E1	F
ID15H4250-EO	300	370.0	430.0	250	310.0	360.0	39651	E1	F
ID15H4300-EO	350	420.0	490.0	—	—	—	50126	E1	G2
ID15H4350-EO	400	480.0	560.0	—	—	—	58910	E1	G2
ID15H4400-EO	450	540.0	620.0	—	—	—	65533	E1	G2
ID15H4450-EO	500	590.0	680.0	—	—	—	76502	E1	G

OPTIONS: Dimensions are listed on page 203. See pages 217-218 for optional Expansion Boards. See pages 215-216 for optional Dynamic Braking Assemblies. See notes on pages 8 and 9, and inside back flap.

Series 15H Inverter - 575 Volts - Constant Torque

Catalog Number	Standard Mode 2.5 kHz Output Current			Quiet Drive™ 8.0 kHz Output Current			List Price	Mult. Sym.	Size
	Hp	Cont.	Peak	Hp	Cont.	Peak			
ID15H501-E	1	1.7	3.4	3/4	1.3	2.6	1741	E1	A
ID15H502-E	2	3.0	6.0	1	1.7	3.4	2001	E1	A
ID15H503-E	3	4.0	8.0	2	3.0	6.0	2326	E1	A
ID15H505-E	5	7.0	14.0	3	4.0	8.0	2610	E1	A
ID15H507-E	7 1/2	9.0	18.0	5	7.0	14.0	3753	E1	A
ID15H510-E	10	11.0	22.0	7 1/2	9.0	18.0	3995	E1	B
ID15H515-E	15	17.0	34.0	10	11.0	22.0	4949	E1	B
ID15H520-EO	20	22.0	44.0	15	17.0	34.0	6226	E1	C2
ID15H525-EO	25	27.0	54.0	20	22.0	38.0	8020	E1	C2
ID15H530-EO	30	32.0	54.0	25	27.0	46.0	9090	E1	C2
ID15H540-EO	40	41.0	70.0	25	27.0	54.0	10981	E1	C2
ID15H550-EO	50	52.0	92.0	40	41.0	73.0	15031	E1	D
ID15H560-EO	60	62.0	109.0	50	52.0	91.0	16404	E1	D
ID15H575-EO	75	77.0	155.0	—	—	—	17250	E1	E
ID15H5100-EO	100	100.0	200.0	—	—	—	21439	E1	E
ID15H5150V-EO	150	145.0	260.0	—	—	—	24262	E1	E

Series 15H Inverter - 575 Volts - Variable Torque

Catalog Number	Standard Mode 2.5 kHz Output Current			Quiet Drive™ 8.0 kHz Output Current			List Price	Mult. Sym.	Size
	Hp	Cont.	Peak	Hp	Cont.	Peak			
ID15H501-E	2	3.0	4.0	1	1.7	2.0	1741	E1	A
ID15H502-E	3	4.0	5.0	2	3.0	4.0	2001	E1	A
ID15H503-E	5	7.0	8.0	3	4.0	5.0	2326	E1	A
ID15H505-E	7 1/2	9.0	11.0	5	7.0	8.0	2610	E1	A
ID15H507-E	10	11.0	13.0	7 1/2	9.0	11.0	3753	E1	A
ID15H510-E	15	17.0	20.0	10	11.0	13.0	3995	E1	B
ID15H515-E	20	22.0	25.0	15	17.0	20.0	4949	E1	B
ID15H520-EO	25	27.0	31.0	20	22.0	25.0	6226	E1	C2
ID15H525-EO	30	32.0	37.0	25	27.0	31.0	8020	E1	C2
ID15H530-EO	40	41.0	47.0	30	32.0	37.0	9090	E1	C2
ID15H540-EO	50	52.0	60.0	30	32.0	37.0	10981	E1	C2
ID15H550-EO	60	62.0	71.0	50	52.0	60.0	15031	E1	D
ID15H560-EO	60	62.0	71.0	60	62.0	71.0	16404	E1	D
ID15H575-EO	100	100.0	115.0	—	—	—	17250	E1	E
ID15H5100-EO	125	125.0	145.0	—	—	—	21439	E1	E
ID15H5150V-EO	150	145.0	166.0	—	—	—	24262	E1	E

OPTIONS: See pages 217-218 for optional Expansion Boards. See pages 215-216 for optional Dynamic Braking Assemblies. See notes on pages 8 and 9, and inside back flap.

Dimensions in/(mm)

Size	Outside			Mounting		Ap'x Shpg. Wgt.
	Height	Width	Depth	Height	Width	
A	12.272/(312)	7.974/(203)	7.120/(181)	11.5/(292)	7.2/(183)	20
B	15.4/(391)	10/(254)	7.1/(180)	14.6/(371)	9.2/(234)	30
C2	16.98/(431)	10.50/(267)	9.66/(245)	15.58/(396)	7.76/(197)	60
D	25/(635)	14.5/(368)	10/(250)	24.25/(616)	13.5/(343)	90
E	30/(762)	17.7/(450)	12/(305)	29/(737)	14.25/(362)	200
F	45/(1143)	27/(686)	13/(330)	44/(1118)	22.75/(578)	370
G	93/(2362)	31.5/(800)	23.6/(600)	Floor Mount		700
G2	65.98/(1676)	31.6/(803)	23.49/(597)	Floor Mount		600

Series 15H Washdown Inverter

3/4 thru 15 Hp
3/4 thru 15 Hp

230 VAC
460 VAC

3 Phase - 50/60 Hz
3 Phase - 50/60 Hz



Applications: Constant torque, variable torque or constant horsepower applications. New installations, replacements and original equipment manufacturers. (OEM). Suitable for frequent washdowns.

Features: NEMA 4X enclosure as standard. Output frequency 0.25 to 400 Hz with peak overload capacity of 200%. Separate accel/decel rates and controlled reversing. Built in two and three input PID process control loop.

Design Specifications

- Process follower 0-5VDC, 0-10VDC, 4-20mA
- Free run or ramp stop
- Selectable preset speeds
- Jog speed
- Dynamic braking
- DC injection braking
- 2 analog meter outputs
- 2 opto isolated output
- 2 relay outputs

Operator Keypad

- Forward/Reverse command
- Motor RUN and JOG
- Local/Remote key
- Stop command
- Parameter setting and display
- 32 character display
- Remote mount to 100 feet (60M) from control
- NEMA 4X enclosure when mounted on panel

Environmental and Operating Conditions

- Input voltage
3 phase 200-240 VAC \pm 10%
3 phase 378-480 VAC \pm 10%
- Input frequency
50 or 60Hz \pm 5%
- Service factor - 1.0
- Duty - continuous
- Humidity - 100% max RH
- Altitude - 3300 feet (1000m) max without derate

Protective Features

- Selectable automatic restart at momentary power loss
- DC bus charge indicator
- Fault indicator
- Adjustable time based overload
- Cause of last 31 trips retained in memory
- Digital display for fault conditions
- Isolated control circuitry

Output Ratings	Overload Capacity	150% for 60 seconds; 170-200% for 3 seconds for constant torque 115% for 60 seconds for variable torque
	Frequency	0.25-120 Hz optional 0.25-400 Hz
	Voltage	0-Maximum input voltage (RMS)
Input Ratings	Frequency	50 or 60 Hz \pm 5%
	Voltage	180 - 264 VAC; 340 - 528 VAC
	Phase	Three phase (or single phase with derate)
	Impedance	3% minimum required for size A, B
Control Spec	Control Method	Sinewave carrier input, PWM output
	PWM Frequency	Adjustable 1-5 kHz standard, 1-15 kHz quiet
	V/Hz Ratio	Linear to squared reduced, base frequency, output voltage, minimum frequency limit, maximum frequency limit
	Torque Boost	0-15% of input voltage; automatic with manual override
	Brake Torque	20% standard on -E and -W
	Skip Frequency	Three zones 0-Max frequency
	Frequency Setting	0-5 VDC, 0-10 VDC, 4-20mA, digital via optional RS232/485
	Accel/Decel	Separate accel/decel rates, 0-3600 sec to maximum frequency
Protective Functions	Inverter Trip	Over voltage, over current, under voltage, external trip, heatsink thermal, motor overload
	Stall Prevention	Over voltage suppression, overcurrent suppression
	External Output	OPTO isolated outputs, relay outputs and LED indicator for trip
	Short Circuit	Phase to phase, phase to ground
LCD Display	Running	Output frequency, set frequency, output current(%), voltage, RPM, custom units
	Setting	Parameter values for setup and review
	Trip	Separate message for each trip, cause of last 31 trips retained in memory
Ambient Conditions	Temperature	0 to 40°C for UL listing
	Cooling	Forced air included when required

OPTIONS: See pages 217-218 for optional Expansion Boards including RS-232, RS-485 etc.

Series 15H Washdown Inverter - 230 Volts - Constant Torque

Catalog Number	Standard Mode 2.5 kHz Output Current			Quiet Drive™ 8.0 kHz Output Current			List Price	Mult. Sym.	Size
	Hp	Cont.	Peak	Hp	Cont.	Peak			
ID15H201-W	1	4.2	8.4	3/4	3.2	6.4	1568	E1	A
ID15H202-W	2	7.0	14.0	1	4.2	8.4	1783	E1	A
ID15H203-W	3	10.0	20.0	2	7.0	14.0	2080	E1	A
ID15H205-W	5	16.0	32.0	3	10.0	20.0	2404	E1	A
ID15H207-W	7 1/2	22.0	38.0	5	16.0	32.0	2987	E1	B
ID15H210-W	10	28.0	56.0	7 1/2	22.0	44.0	4197	E1	B
ID15H215-W	15	42.0	71.0	10	28.0	56.0	5532	E1	B

Series 15H Washdown Inverter - 230 Volts - Variable Torque

Catalog Number	Standard Mode 2.5 kHz Output Current			Quiet Drive™ 8.0 kHz Output Current			List Price	Mult. Sym.	Size
	Hp	Cont.	Peak	Hp	Cont.	Peak			
ID15H201-W	2	7.0	8.1	1	4.2	4.9	1568	E1	A
ID15H202-W	3	10.0	12.0	2	7.0	8.0	1783	E1	A
ID15H203-W	5	16.0	19.0	3	10.0	12.0	2080	E1	A
ID15H205-W	7 1/2	22.0	25.0	5	16.0	19.0	2404	E1	A
ID15H207-W	10	28.0	32.0	7 1/2	22.0	25.0	2987	E1	B
ID15H210-W	15	42.0	48.0	10	28.0	32.0	4197	E1	B
ID15H215-W	15	42.0	48.0	15	42.0	48.0	5532	E1	B

Series 15H Washdown Inverter - 460 Volts - Constant Torque

Catalog Number	Standard Mode 2.5 kHz Output Current			Quiet Drive™ 8.0 kHz Output Current			List Price	Mult. Sym.	Size
	Hp	Cont.	Peak	Hp	Cont.	Peak			
ID15H401-W	1	2.1	4.2	3/4	1.6	3.2	2098	E1	A
ID15H402-W	2	4.0	8.0	1	2.1	4.2	2405	E1	A
ID15H403-W	3	5.0	10.0	2	4.0	8.0	2779	E1	A
ID15H405-W	5	8.0	16.0	3	5.0	10.0	3122	E1	A
ID15H407-W	7 1/2	11.0	22.0	5	8.0	16.0	4377	E1	A
ID15H410-W	10	14.0	28.0	7 1/2	11.0	22.0	4765	E1	B
ID15H415-W	15	21.0	36.0	10	15.0	30.0	5660	E1	B

Series 15H Washdown Inverter - 460 Volts - Variable Torque

Catalog Number	Standard Mode 2.5 kHz Output Current			Quiet Drive™ 8.0 kHz Output Current			List Price	Mult. Sym.	Size
	Hp	Cont.	Peak	Hp	Cont.	Peak			
ID15H401-W	2	4.0	5.0	1	2.1	2.5	2098	E1	A
ID15H402-W	3	5.0	6.0	2	4.0	5.0	2405	E1	A
ID15H403-W	5	8.0	10.0	3	5.0	6.0	2779	E1	A
ID15H405-W	7 1/2	11.0	13.0	5	8.0	10.0	3122	E1	A
ID15H407-W	10	14.0	17.0	7 1/2	11.0	13.0	4377	E1	A
ID15H410-W	15	21.0	25.0	10	14.0	17.0	4765	E1	B
ID15H415-W	20	27.0	31.0	15	21.0	25.0	5660	E1	B

NOTE: See notes on pages 8 and 9, and inside back flap.

Dimensions in/(mm)

Size	Height	Outside Width	Depth	Mounting		Ap'x Shpg. Wgt.
				Height	Width	
A	12.272/(312)	7.974/(203)	7.120/(181)	11.5/(292)	7.2/(183)	20
B	15.4/(391)	10/(254)	7.1/(180)	14.6/(371)	9.2/(234)	30

Series 18H Vector Drive

3/4 thru 50 Hp
3/4 thru 450 Hp
3/4 thru 150 Hp

230 VAC
460 VAC
575 VAC

3 Phase - 50/60 Hz
3 Phase - 50/60 Hz
3 Phase - 60 Hz



Applications: Constant torque or constant horsepower applications. New installations, replacements and original equipment manufacturers. (OEM).

Features: NEMA 1 enclosure as standard. Output frequency 0-500Hz with peak overload capability of 170-200%. Automatic tuning to motor and full rated torque down to zero speed. Digital speed or torque control. Built in two and three input PID process control loop.

Design Specifications

- Motor shaft orient to marker
- Process follow $\pm 5\text{VDC}$ 0-5 VDC, $\pm 10\text{VDC}$ 0-10 VDC, 4-20mA, digital via keypad or optional RS232/485
- Linear or S-curve deceleration
- 15 preset speeds
- 2 assignable analog outputs
- 2 assignable opto outputs
- 2 assignable relay outputs
- 2 assignable analog inputs
- Through wall and panel mount size C2, E and F

Operator Keypad

- Forward/Reverse command
- Motor RUN and JOG
- Local/Remote key
- Stop command
- 32 character display
- Remote mount to 100 feet (60m) from control
- NEMA 4X enclosure when mounted on panel

Environmental and Operating Conditions

- Input voltage
3 phase 200-240 VAC $\pm 10\%$
3 phase 378-480 VAC $\pm 10\%$
3 phase 573-600 VAC $\pm 10\%$
- Input frequency
50 or 60Hz $\pm 5\%$
- Service factor - 1.0
- Duty - continuous
- Humidity - 90% max RH non-condensing
- Altitude - 3300 feet (1000m) max without derate

Protective Features

- Adjustable current limit
- Isolated control circuitry
- Digital display for fault conditions
- Selectable automatic restart at momentary power loss
- DC bus charge indicator
- Cause of last 31 trips retained in memory

Output Ratings	Overload Capacity	150% for 60 seconds, 170-200% for 3 seconds for constant torque 115% for 60 seconds for variable torque
	Frequency	0-500 Hz
	Voltage	0-maximum input voltage (RMS)
Input Ratings	Frequency	50 or 60 Hz $\pm 5\%$
	Voltage	180 - 264 VAC; 340 - 528 VAC; 515 - 660 VAC
	Phase	Three phase (or single phase with derate)
	Impedance	1% minimum for size C2, F, G, and G2 (3% minimum required for Size A, B, D and E)
Control Spec	Control Method	Microprocessor controlled PWM output
	PWM Frequency	Adjustable 1-5kHz STD, 1-16 kHz quiet
	Speed Setting	$\pm 5\text{ VDC}$, 0-5 VDC $\pm 10\text{ VDC}$, 0-10 VDC, 4-20 mA; digital via keypad, RS232/485
	Accel/Decel	0-3600 sec.
	Motor Matching	Automatic tuning to motor with manual override
Motor Feedback	Feedback Type	Incremental encoder coupled to motor shaft
	Pulses/Rev	60 -15,000 selectable, 1024 standard
	Voltage Output	2 channel in quadrature, 5 VDC, differential
	Marker Pulse	Required for position orientation
	Power Input	5 VDC, 300 mA maximum
	Max. Frequency	1 MHz
	Positioning	Buffered encoder pulse train output for position loop controller
Protective Functions	Vector Trip	Missing control power, over current, over voltage, under voltage, motor over speed Over temperature (motor or control), output shorted or grounded, motor overload
	External Output	LED indicator for trip conditions, 4 assignable logic outputs, 2 assignable analog outputs 0-5 VDC
	Short Circuit	Phase to phase, phase to ground
LCD Display	Running	Output frequency, motor RPM; output current, voltage (selectable)
	Setting	Parameter values for setup and review
	Trip	Separate message for each trip, last 31 trips retained in memory
Ambient Conditions	Temperature	-10 to 40°C for UL listing
	Cooling	Forced air included when required

OPTIONS: See pages 217-218 for optional Expansion Boards including RS-232, RS-485. See page 209 for enclosure Dimensions
 See pages 215-216 for optional Dynamic Braking Assemblies.

Series 18H Vector - 230 Volts continued...

Hp	Volt	Output Current		Catalog Number	List Price	Mult. Sym.	Size
		Cont.	Peak				
Constant Torque - 18H Vector - Output Ratings with 2.5 kHz PWM Frequency							
1	230	4.2	8.4	ZD18H201-E	1700	E1	A
2	230	7	14	ZD18H202-E	1906	E1	A
3	230	10	20	ZD18H203-E	2198	E1	A
5	230	16	32	ZD18H205-E	2453	E1	A
7 1/2	230	22	38	ZD18H207-E	2896	E1	B
10	230	28	50	ZD18H210-E	4067	E1	B
15	230	42	71	ZD18H215-E	5171	E1	B
20	230	55	110	ZD18H220-EO	5891	E1	C2
25	230	68	116	ZD18H225-EO	8426	E1	C2
30	230	80	140	ZD18H230-EO	9209	E1	C2
40	230	105	200	ZD18H240-MO	12129	E1	D
50	230	130	225	ZD18H250-MO	14888	E1	D
18H "Quiet Drive™" Vector - Output Ratings with 8.0 kHz PWM Frequency							
3/4	230	3.2	6.4	ZD18H201-E	1700	E1	A
1	230	4.2	8.4	ZD18H202-E	1906	E1	A
2	230	7	14	ZD18H203-E	2198	E1	A
3	230	10	20	ZD18H205-E	2453	E1	A
5	230	16	32	ZD18H207-E	2896	E1	B
7 1/2	230	22	44	ZD18H210-E	4067	E1	B
10	230	28	48	ZD18H215-E	5171	E1	B
15	230	42	92	ZD18H220-EO	5891	E1	C2
20	230	54	92	ZD18H225-EO	8426	E1	C2
25	230	70	122	ZD18H230-EO	9209	E1	C2
30	230	80	160	ZD18H240-MO	12129	E1	D
40	230	105	183	ZD18H250-MO	14888	E1	D

NOTE: -MO suffix indicates a protected chassis enclosure (not NEMA 1). See page 209 for Dimensions. See notes on pages 8 and 9, and inside back flap.
OPTIONS: See pages 217-218 for optional Expansion Boards. See pages 215-216 for optional Dynamic Braking Assemblies.

Series 18H Vector - 460 Volts continued...

Hp	Volt	Output Current		Catalog Number	List Price	Mult. Sym.	Size
		Cont.	Peak				
Constant Torque - 18H Vector - Output Ratings with 2.5 kHz PWM Frequency							
1	460	2.1	4.2	ZD18H401-E	2257	E1	A
2	460	4	8	ZD18H402-E	2588	E1	A
3	460	5	10	ZD18H403-E	2967	E1	A
5	460	8	16	ZD18H405-E	3280	E1	A
7 1/2	460	11	22	ZD18H407-E	4686	E1	A
10	460	14	28	ZD18H410-E	4878	E1	B
15	460	21	36	ZD18H415-E	5268	E1	B
20	460	27	50	ZD18H420-EO	5984	E1	C2
25	460	34	58	ZD18H425-EO	7660	E1	C2
30	460	40	68	ZD18H430-EO	9355	E1	C2
40	460	55	94	ZD18H440-EO	11266	E1	C2
50	460	65	115	ZD18H450-EO	14714	E1	D
60	460	80	140	ZD18H460-EO	15626	E1	D
75	460	100	200	ZD18H475-EO	17352	E1	E
100	460	125	220	ZD18H4100-EO	20641	E1	E
150	460	180	270	ZD18H4150V-EO	23065	E1	E
150	460	190	380	ZD18H4150-EO	30134	E1	F
200	460	250	500	ZD18H4200-EO	36253	E1	F
250	460	310	620	ZD18H4250-EO	44503	E1	F
300	460	370	630	ZD18H4300-EO	56354	E1	G2
350	460	420	720	ZD18H4350-EO	65533	E1	G2
400	460	480	820	ZD18H4400-EO	72504	E1	G2
450	460	540	920	ZD18H4450-EO	85517	E1	G
18H "Quiet Drive™" Vector - Output Ratings with 8.0 kHz PWM Frequency							
3/4	460	1.6	3.2	ZD18H401-E	2257	E1	A
1	460	2.1	4.2	ZD18H402-E	2588	E1	A
2	460	4	8	ZD18H403-E	2967	E1	A
3	460	5	10	ZD18H405-E	3280	E1	A
5	460	8	16	ZD18H407-E	4686	E1	A
7 1/2	460	11	22	ZD18H410-E	4878	E1	B
10	460	15	30	ZD18H415-E	5268	E1	B
15	460	21	46	ZD18H420-EO	5984	E1	C2
20	460	27	46	ZD18H425-EO	7660	E1	C2
25	460	35	61	ZD18H430-EO	9355	E1	C2
30	460	40	68	ZD18H440-EO	11266	E1	C2
40	460	55	92	ZD18H450-EO	14714	E1	D
50	460	65	122	ZD18H460-EO	15626	E1	D
60	460	80	160	ZD18H475-EO	17352	E1	E
75	460	100	183	ZD18H4100-EO	20641	E1	E
100	460	125	240	ZD18H4150V-EO	23065	E1	E
125	460	150	260	ZD18H4150-EO	30134	E1	F
150	460	190	380	ZD18H4200-EO	36253	E1	F
200	460	250	500	ZD18H4250-EO	44503	E1	F

NOTE: See notes on pages 8 and 9, and inside back flap.

OPTIONS: See pages 217-218 for optional Expansion Boards. See pages 215-216 for optional Dynamic Braking Assemblies.

Series 18H Vector - 575 Volts continued...

Hp	Volt	Output Current		Catalog Number	List Price	Mult. Sym.	Size
		Cont.	Peak				
Constant Torque - 18H Vector - Output Ratings with 2.5 kHz PWM Frequency							
1	575	1.7	3.4	ZD18H501-E	2596	E1	A
2	575	3.0	6.0	ZD18H502-E	2978	E1	A
3	575	4.0	8.0	ZD18H503-E	3412	E1	A
5	575	7.0	14.0	ZD18H505-E	3770	E1	A
7 1/2	575	9.0	18.0	ZD18H507-E	4755	E1	A
10	575	11.0	22.0	ZD18H510-E	5300	E1	B
15	575	17.0	34.0	ZD18H515-E	6322	E1	B
20	575	22.0	44.0	ZD18H520-EO	7361	E1	C2
25	575	27.0	54.0	ZD18H525-EO	9272	E1	C2
30	575	32.0	54.0	ZD18H530-EO	10468	E1	C2
40	575	41.0	70.0	ZD18H540-EO	12907	E1	C2
50	575	52.0	92.0	ZD18H550-EO	17659	E1	D
60	575	62.0	109.0	ZD18H560-EO	18750	E1	D
75	575	77.0	155.0	ZD18H575-EO	19860	E1	E
100	575	100.0	200.0	ZD18H5100-EO	24770	E1	E
150	575	145.0	260.0	ZD18H5150V-EO	27679	E1	E
18H "Quiet Drive™" Vector - Output Ratings with 8.0 kHz PWM Frequency							
3/4	575	1.3	2.6	ZD18H501-E	2596	E1	A
1	575	1.7	3.4	ZD18H502-E	2978	E1	A
2	575	3.0	6.0	ZD18H503-E	3412	E1	A
3	575	4.0	8.0	ZD18H505-E	3770	E1	A
5	575	7.0	14.0	ZD18H507-E	4755	E1	A
7 1/2	575	9.0	18.0	ZD18H510-E	5300	E1	B
10	575	11.0	22.0	ZD18H515-E	6322	E1	B
15	575	17.0	34.0	ZD18H520-EO	7361	E1	C2
20	575	22.0	38.0	ZD18H525-EO	9272	E1	C2
25	575	27.0	46.0	ZD18H530-EO	10468	E1	C2
40	575	41.0	73.0	ZD18H540-EO	17659	E1	D
50	575	52.0	91.0	ZD18H550-EO	18750	E1	D

NOTE: See notes on pages 8 and 9, and inside back flap.

OPTIONS: See pages 217-218 for optional Expansion Boards. See pages 215-216 for optional Dynamic Braking Assemblies.

Dimensions in/(mm)

Size	Outside			Mounting		Ap'x Shpg. Wgt.
	Height	Width	Depth	Height	Width	
A	12.272/(312)	7.974/(203)	7.120/(181)	11.5/(292)	7.2/(183)	20
B	15.4/(391)	10/(254)	7.1/(180)	14.6/(371)	9.2/(234)	30
C2	16.98/(431)	10.5/(267)	9.66/(245)	15.58/(396)	7.76/(197)	60
D	25/(635)	14.5/(368)	10/(254)	24.25/(616)	13.5/(343)	90
E	30/(762)	17.7/(450)	12/(305)	29/(737)	14.25/(362)	200
F	45/(1143)	27/(686)	13/(330)	44/(1118)	22.75/(578)	370
G	93/(2362)	31.5/(800)	23.6/(600)	Floor Mount		700
G2	65.98/(1676)	31.6/(803)	23.49/(597)	Floor Mount		600

Series 18H Washdown Vector

3/4 thru 15 Hp
3/4 thru 15 Hp

230 VAC
460 VAC

3 Phase - 50/60 Hz
3 Phase - 50/60 Hz



Applications: Constant torque or constant horsepower applications. New installations, replacements and original equipment manufacturers. (OEM). Suitable for frequent washdowns.

Features: NEMA 4X enclosure as standard. Output frequency 0-500Hz with peak overload capability of 200%. Automatic tuning to motor and full rated torque down to zero speed. Digital speed or torque control. Built in two and three input PID process control loop.

Design Specifications

- Process follower ± 5 VDC
- 0-5 VDC, ± 10 VDC 0-10 VDC, 4-20mA, digital via keypad or optional RS232/485
- Linear or S-curve deceleration
- 15 preset speeds
- 2 assignable analog outputs
- 2 assignable opto outputs
- 2 assignable relay outputs

Operator Keypad

- Forward/Reverse command
- Motor RUN and JOG
- Local/Remote key
- Stop command
- 32 character display
- Remote mount to 100 feet (60m) from control
- NEMA 4X enclosure when mounted on panel

Environmental and Operating Conditions

- Input voltage
 - Three phase 200-240 VAC $\pm 10\%$
 - Three phase 378-480 VAC $\pm 10\%$
- Input frequency
 - 50 or 60Hz $\pm 5\%$
- Service factor - 1.0
- Duty - continuous
- Humidity - 100% max RH
- Altitude - 3300 feet (1000m) max without derate

Protective Features

- Adjustable current limit
- Isolated control circuitry
- Digital display for fault conditions
- Selectable automatic restart at momentary power loss
- DC bus charge indicator
- Cause of last 31 trip retained in memory

Output Ratings	Overload Capacity	150% for 60 seconds, 170-200% for 3 seconds for constant torque
	Frequency	0-500 Hz
	Voltage	0-maximum input voltage (RMS)
Input Ratings	Frequency	50 or 60 Hz $\pm 5\%$
	Voltage	180 - 264 VAC; 340 - 528 VAC
	Phase	Three phase (or single phase with derate)
	Impedance	3% minimum required for Size A, B
Control Spec	Control Method	Microprocessor controlled PWM output
	PWM Frequency	Adjustable 1-5kHz STD, 1-16 kHz quiet
	Speed Setting	± 5 VDC, 0-5 VDC ± 10 VDC, 0-10 VDC, 4-20 mA; digital via keypad, RS232/485
	Accel/Decel	0-3600 sec.
	Motor Matching	Automatic tuning to motor with manual override
Motor Feedback	Feedback Type	Incremental encoder coupled to motor shaft
	Pulses/Rev	60-15,000 selectable, 1024 standard
	Voltage Output	2 channel in quadrature, 5 VDC, differential
	Marker Pulse	Required for position orientation
	Power Input	5 VDC, 300 mA maximum
	Max. Frequency	1 MHz
Protective Functions	Positioning	Optional buffered encoder pulse train output for position loop controller
	Vector Trip	Missing control power, over current, over voltage, under voltage, motor over speed
	External Output	LED indicator for trip conditions, 4 assignable logic outputs 2 assignable analog outputs 0-5 VDC
	Short Circuit	Phase to phase, phase to ground
LCD Display	Running	Output frequency, motor RPM; output current, voltage (selectable)
	Setting	Parameter values for setup and review
	Trip	Separate message for each trip, last 31 trips retained in memory
Ambient Conditions	Temperature	-10 to 40°C for UL listing
	Cooling	Forced air included when required

OPTIONS: See pages 217-218 for optional Expansion Boards including RS-232, RS-485. See page 211 for enclosure Dimensions. See pages 215-216 for optional Dynamic Braking Assemblies.

Series 18H Washdown Vector - 230 Volt continued...

Hp	Volt	Output Current		Catalog Number	List Price	Mult. Sym.	Size
		Cont.	Peak				
Constant Torque - 18H Washdown Vector - Output Ratings with 2.5 kHz PWM Frequency							
1	230	4.2	8.4	ZD18H201-W	2245	E1	A
2	230	7.0	14.0	ZD18H202-W	2477	E1	A
3	230	10.0	20.0	ZD18H203-W	2835	E1	A
5	230	16.0	32.0	ZD18H205-W	3186	E1	A
7 1/2	230	22.0	38.0	ZD18H207-W	3722	E1	B
10	230	28.0	50.0	ZD18H210-W	5241	E1	B
15	230	42.0	71.0	ZD18H215-W	6672	E1	B
18H Washdown "Quiet Drive™" Vector - Output Ratings with 8.0 kHz PWM Frequency							
3/4	230	3.2	6.4	ZD18H201-W	2245	E1	A
1	230	4.2	8.4	ZD18H202-W	2477	E1	A
2	230	7.0	14.0	ZD18H203-W	2835	E1	A
3	230	10.0	20.0	ZD18H205-W	3186	E1	A
5	230	16.0	32.0	ZD18H207-W	3722	E1	B
7 1/2	230	22.0	44.0	ZD18H210-W	5241	E1	B
10	230	28.0	56.0	ZD18H215-W	6672	E1	B

Series 18H Washdown Vector - 460 Volt

Hp	Volt	Output Current		Catalog Number	List Price	Mult. Sym.	Size
		Cont.	Peak				
Constant Torque - 18H Washdown Vector - Output Ratings with 2.5 kHz PWM Frequency							
1	460	2.1	4.2	ZD18H401-W	2935	E1	A
2	460	4.0	8.0	ZD18H402-W	3318	E1	A
3	460	5.0	10.0	ZD18H403-W	3890	E1	A
5	460	8.0	16.0	ZD18H405-W	4220	E1	A
7 1/2	460	11.0	19.0	ZD18H407-W	5269	E1	A
10	460	14.0	28.0	ZD18H410-W	5951	E1	B
15	460	21.0	42.0	ZD18H415-W	6795	E1	B
18H "Quiet Drive™" Vector - Output Ratings with 8.0 kHz PWM Frequency							
3/4	460	1.6	3.2	ZD18H401-W	2935	E1	A
1	460	2.1	4.2	ZD18H402-W	3318	E1	A
2	460	4.0	8.0	ZD18H403-W	3890	E1	A
3	460	5.0	10.0	ZD18H405-W	4220	E1	A
5	460	8.0	16.0	ZD18H407-W	5269	E1	A
7 1/2	460	11.0	22.0	ZD18H410-W	5951	E1	B
10	460	14.0	28.0	ZD18H415-W	6795	E1	B

NOTE: See notes on pages 8 and 9, and inside back flap.

OPTIONS: See pages 217-218 for optional Expansion Boards.

Dimensions in/(mm)

Size	Height	Outside Width	Depth	Mounting Height	Width	Ap'x Shpg. Wgt.
A	12.272/(312)	7.974/(203)	7.120/(181)	11.5/(292)	7.2/(183)	20
B	15.4/(391)	10/(254)	7.1/(180)	14.6/(371)	9.2/(234)	30

Series 22H Line Regenerative Vector Drive



**10 thru 50 Hp
10 thru 50 Hp**

**230 VAC
460 VAC**

**3 Phase - 50/60 Hz
3 Phase - 50/60 Hz**

Applications: Variable torque, constant torque or constant horsepower applications. New installations, replacements and original equipment manufacturers. (OEM).

Features: NEMA 1 enclosure as standard. Output frequency 0-500Hz with peak overload capability of 170-200%. Automatic tuning to motor and full rated torque down to zero speed. Digital speed or torque control. Built in two and three input PID process control loop.

Design Specifications

- Process follower
±5VDC 0-5 VDC,
±10VDC, 0-10 VDC ,
4-20mA, digital via keypad
or optional RS232/485
- Linear or S-curve deceleration
- Controlled reversing
- 15 preset speeds
- 2 assignable analog outputs
- 2 assignable logic outputs
- 2 assignable relay outputs
- 2 assignable analog inputs
- Motor shaft orient to marker

Operator Keypad

- Forward/Reverse command
- Motor RUN and JOG
- Local/Remote key
- Stop command
- 32 character display
- Remote mount to 100 feet (60m)
from control
- NEMA 4X enclosure when
mounted on panel

Environmental and Operating Conditions

- Input voltage
Three phase 200-240 VAC ±10%
Three phase 378-480 VAC ±10%
- Input frequency
50 or 60Hz ±5%
- Service factor - 1.0
- Duty - continuous
- Humidity - 90% max RH
non-condensing
- Altitude - 3300 feet (1000m)
max without derate

Protective Features

- Adjustable current limit
- Isolated control circuitry
- Digital display for fault conditions
- Selectable automatic restart at
momentary power loss
- DC bus charge indicator
- Cause of last 31 trips retained
in memory

Output Ratings	Overload Capacity	150% for 60 seconds, 170-200% for 3 seconds for constant torque 115% for 60 seconds for variable torque
	Frequency	0-500 Hz
	Voltage	0-Maximum input voltage (RMS)
Input Ratings	Frequency	50 or 60 Hz ±5%
	Voltage	180 - 264 VAC; 340 - 528 VAC
	Phase	Three phase
	Impedance	3.0% minimum required
Control Spec	Control Method	Microprocessor controlled PWM output
	PWM Frequency	Adjustable 1-5kHz STD, 1-16 kHz quiet
	Speed Setting	±5 VDC, 0-5 VDC ±10 VDC, 0-10 VDC, 4-20 mA; digital via keypad, RS232/485
	Accel/Decel	0-3600 sec
	Motor Matching	Automatic tuning to motor with manual override
Motor Feedback	Feedback Type	Incremental encoder coupled to motor shaft
	Pulses/Rev	60-15,000 selectable, 1024 standard
	Voltage Output	2 channel in quadrature, 5 VDC, differential
	Marker Pulse	Required for position orientation
	Power Input	5 VDC, 300 mA maximum
	Max. Frequency	1 MHz
	Positioning	Optional buffered encoder pulse train output for position loop controller
Protective Functions	Vector Trip	Missing control power, over current, over voltage, under voltage, motor over speed Over temperature (motor or control), output shorted or grounded, motor overload
	External Output	LED indicator for trip conditions, 4 assignable logic outputs, 2 assignable analog outputs 0-5 VDC
	Short Circuit	Phase to phase, phase to ground
LCD Display	Running	Output frequency, motor RPM; output current, voltage (selectable)
	Setting	Parameter values for setup and review
	Trip	Separate message for each trip, last 31 trips retained in memory
Ambient	Temperature	10 to +40°C for UL listing
Conditions	Cooling	Forced air included when required

OPTIONS: See pages 217-218 for optional Expansion Boards including RS-232, RS-485.

Series 22H Line Regenerative Vector - 230 Volts continued...

Hp	Volt	Output Current		Catalog Number	List Price	Mult. Sym.	Size
		Cont.	Peak				
Constant Torque - 22H Vector Line Regenerative - Output Ratings with 2.5 kHz PWM Frequency							
10	230	28.0	56.0	ZD22H210-EL	10019	E1	C+
15	230	42.0	72.0	ZD22H215-EL	11133	E1	C+
20	230	55.0	100.0	ZD22H220-EL	13034	E1	C+
25	230	68.0	116.0	ZD22H225-EL	15226	E1	C+
30	230	80.0	140.0	ZD22H230-EL	16557	E1	D+
40	230	105.0	200.0	ZD22H240-EL	20617	E1	D+
50	230	130.0	225.0	ZD22H250-EL	25308	E1	D+
Constant Torque - 22H "Quiet Drive™" Vector Line Regenerative - Output Ratings with 8.0 kHz PWM Pulse Frequency							
10	230	28.0	48.0	ZD22H210-EL	10019	E1	C+
15	230	42.0	92.0	ZD22H220-EL	13034	E1	C+
20	230	54.0	92.0	ZD22H225-EL	15226	E1	C+
30	230	70.0	122.0	ZD22H230-EL	16557	E1	D+
30	230	80.0	160.0	ZD22H240-EL	20617	E1	D+
40	230	105.0	183.0	ZD22H250-EL	25308	E1	D+
Variable Torque - 22H Vector Line Regenerative - Output Ratings with 2.5 kHz PWM Frequency							
10	230	28.0	32.0	ZD22H210-EL	10019	E1	C+
15	230	42.0	48.0	ZD22H215-EL	11133	E1	C+
20	230	55.0	62.0	ZD22H220-EL	13034	E1	C+
25	230	68.0	78.0	ZD22H225-EL	15226	E1	C+
30	230	80.0	92.0	ZD22H230-EL	16557	E1	D+
40	230	105.0	120.0	ZD22H240-EL	20617	E1	D+
50	230	130.0	150.0	ZD22H250-EL	25308	E1	D+
Variable Torque - 22H "Quiet Drive™" Vector Line Regenerative - Output Ratings with 8.0 kHz PWM Pulse Frequency							
10	230	28.0	32.0	ZD22H210-EL	10019	E1	C+
15	230	42.0	48.0	ZD22H215-EL	11133	E1	C+
20	230	54.0	62.0	ZD22H220-EL	13034	E1	C+
25	230	68.0	78.0	ZD22H225-EL	15226	E1	C+
30	230	80.0	92.0	ZD22H230-EL	16557	E1	D+
40	230	104.0	120.0	ZD22H240-EL	20617	E1	D+
50	230	130.0	150.0	ZD22H250-EL	25308	E1	D+

NOTE: See page 214 for dimensions. See notes on pages 8 and 9, and inside back flap.

OPTIONS: See pages 217-218 for optional Expansion Boards.

Three Phase - Series 22H Line Regenerative Vector - 460 Volts continued...

Hp	Volt	Output Current		Catalog Number	List Price	Mult. Sym.	Size
		Cont.	Peak				
Constant Torque - 22H Vector Line Regenerative - Output Ratings with 2.5 kHz PWM Frequency							
10	460	15.0	30.0	ZD22H410-EL	10431	E1	C+
15	460	21.0	36.0	ZD22H415-EL	11345	E1	C+
20	460	27.0	54.0	ZD22H420-EL	13212	E1	C+
25	460	34.0	58.0	ZD22H425-EL	14888	E1	C+
30	460	40.0	70.0	ZD22H430-EL	16806	E1	D+
40	460	55.0	100.0	ZD22H440-EL	20730	E1	D+
50	460	65.0	115.0	ZD22H450-EL	25015	E1	D+
Constant Torque - 22H "Quiet Drive™" Vector Line Regenerative - Output Ratings with 8.0 kHz PWM Pulse Frequency							
10	460	15.0	30.0	ZD22H410-EL	10431	E1	C+
15	460	21.0	40.0	ZD22H420-EL	13212	E1	C+
20	460	27.0	46.0	ZD22H425-EL	14888	E1	C+
25	460	35.0	61.0	ZD22H430-EL	16806	E1	D+
30	460	40.0	80.0	ZD22H440-EL	20730	E1	D+
40	460	55.0	92.0	ZD22H450-EL	25015	E1	D+
Variable Torque - 22H Vector Line Regenerative - Output Ratings with 2.5 kHz PWM Frequency							
10	460	15.0	17.0	ZD22H410-EL	10431	E1	C+
15	460	21.0	24.0	ZD22H415-EL	11345	E1	C+
20	460	27.0	31.0	ZD22H420-EL	13212	E1	C+
25	460	34.0	39.0	ZD22H425-EL	14888	E1	C+
30	460	40.0	46.0	ZD22H430-EL	16806	E1	D+
40	460	55.0	63.0	ZD22H440-EL	20730	E1	D+
50	460	65.0	75.0	ZD22H450-EL	25015	E1	D+
Variable Torque - 22H "Quiet Drive™" Vector Line Regenerative - Output Ratings with 8.0 kHz PWM Pulse Frequency							
10	460	15.0	17.0	ZD22H410-EL	10431	E1	C+
15	460	21.0	24.0	ZD22H415-EL	11345	E1	C+
20	460	27.0	31.0	ZD22H420-EL	13212	E1	C+
25	460	34.0	39.0	ZD22H425-EL	14888	E1	C+
30	460	40.0	46.0	ZD22H430-EL	16806	E1	D+
40	460	52.0	60.0	ZD22H440-EL	20730	E1	D+
50	460	65.0	75.0	ZD22H450-EL	25015	E1	D+

NOTE: See notes on pages 8 and 9, and inside back flap.
OPTIONS: See pages 217-218 for optional Expansion Boards.

Dimensions in/(mm)

Size	Outside			Mounting		Ap'x
	Height	Width	Depth	Height	Width	Shpg. Wgt.
C+	30/(762)	11.5/(292)	12.2/(310)	29.25/(743)	10.5/(267)	160
D+	36/(914)	14.5/(368)	12.2/(310)	35.25/(895)	13.50/(343)	280

Series 15H, 18H, 19H, 20H and 22H Keypad Extension Cable

For the convenience of our customers, we offer a connector plug/cable assembly.

This assembly provides the connectors from the keypad to the control for remote keypad operation.

Catalog Number	Cable Extension Length	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.
CBLH015KP	5 feet (1.5 meter)	73	E8	1
CBLH030KP	10 feet (3.0 meter)	104	E8	1
CBLH046KP	15 feet (4.6 meter)	133	E8	1
CBLH061KP	20 feet (6.1 meter)	223	E8	2
CBLH091KP	30 feet (9.1 meter)	341	E8	3
CBLH152KP	50 feet (15.2 meter)	447	E8	3
CBLH229KP	75 feet (22.9 meter)	492	E8	4
CBLH305KP	100 feet (30.5 meter)	610	E8	5

Series 15H and 18H Dynamic Braking Assemblies

Dynamic braking assemblies include braking transistor and braking resistors completely assembled and mounted into a NEMA 1 enclosure. Select braking assembly from table with adequate maximum braking torque (%) and continuous regenerative power (Watts) capacity to meet load requirements. For use with -EO and -MO controls.

Motor Control input Voltage	Hp	Maximum Braking Torque In % Of Motor Rating												Cont. Watts	Catalog No.	List Price	Mult. Sym.
		20	25	30	40	50	60	75	100	150V	150	200	250				
200 To 240	200	90%	75%	60%	45%	36%	-	-	-	-	-	-	-	600	RBA2-610	1103	E8
	To	150%	125%	100%	75%	62%	-	-	-	-	-	-	-	1800	RBA2-1806	1698	
	240	150%	150%	150%	115%	92%	-	-	-	-	-	-	-	4000	RBA2-4004	2423	
380 To 480	380	150%	150%	120%	90%	72%	60%	48%	36%	28%	-	-	-	600	RBA4-620	1235	E8
	To	150%	150%	120%	90%	72%	60%	48%	36%	28%	-	-	-	1800	RBA4-1820	1885	
	480	150%	150%	150%	150%	150%	120%	96%	72%	56%	48%	36%	29%	4000	RBA4-4010	2612	
550 To 600	550	150%	150%	150%	120%	90%	72%	60%	48%	36%	28%	-	-	600	RBA5-624	1359	E8
	To	150%	150%	150%	120%	90%	72%	60%	48%	36%	28%	-	-	1800	RBA5-1824	2067	
	600	150%	150%	150%	150%	150%	130%	110%	82%	66%	54%	40%	31%	4000	RBA5-4014	3025	

Series 15H and 18H Dynamic Braking Transistor Assemblies

Dynamic Braking Transistor Assemblies include braking transistor completely assembled and mounted into a NEMA 1 enclosure, to be used with External Dynamic Braking Resistor Assemblies (RGA). Select RGA assembly with matching minimum OHMS and continuous regenerative power (Watts) capacity to meet load requirements. For use with -EO and -MO Controls.

Hp	Maximum Braking Torque In % Of Motor Rating									
	208-230 Vac			380-480 Vac				550-600 Vac		
20	150%	150%	150%	150%	150%	150%	150%	150%	150%	150%
25	125%	150%	150%	150%	150%	150%	150%	150%	150%	150%
30	100%	150%	150%	120%	150%	150%	150%	150%	150%	150%
40	75%	115%	150%	90%	150%	150%	150%	127%	150%	150%
50	62%	92%	150%	72%	150%	150%	150%	100%	150%	150%
60	-	-	-	60%	150%	150%	150%	85%	145%	150%
75	-	-	-	48%	96%	150%	150%	68%	116%	150%
100	-	-	-	36%	72%	150%	150%	50%	87%	150%
150V	-	-	-	28%	56%	150%	150%	40%	70%	150%
150	-	-	-	-	48%	126%	150%	34%	58%	150%
200	-	-	-	-	36%	95%	150%	25%	44%	150%
250	-	-	-	-	29%	76%	150%	-	35%	122%
300	-	-	-	-	-	62%	125%	-	29%	100%
350	-	-	-	-	-	54%	108%	-	-	87%
400	-	-	-	-	-	47%	94%	-	-	76%
450	-	-	-	-	-	41%	84%	-	-	68%
Cat. No.	RTA2-6	RTA2-4	RTA2-2	RTA4-20	RTA4-10	RTA4-4	RTA4-2	RTA5-24	RTA5-14	RTA5-4
List Price	1353	1591	2253	1207	1711	2253	3179	1340	1883	2479
Mult. Sym.	E8	E8	E8	E8	E8	E8	E8	E8	E8	E8

Series 15H and 18H Dynamic Braking Resistor Assemblies

Dynamic Braking Resistor Assemblies include braking resistors completely assembled and mounted into a NEMA 1 enclosure. For 20 Hp and above (-EO, -MO Controls), select the braking resistor from the table with the matching ohms for the RTA selected and adequate continuous watts capacity to meet load requirements. For 1 to 15 Hp (-E, -ER Controls) select the braking resistor that has correct ohm value for the control and adequate continuous watts capacity to meet load requirements.

Input Volts	Hp	Total Ohms	Continuous Rated Watts						
			600	1200	2400	4800	6400	9600	14200
230	1-2	30	RGA630	RGA1230	RGA2430				
	3-5	20	RGA620	RGA1220	RGA2420	RGA4820			
	7.5-10	10		RGA1210	RGA2410	RGA4810			
	15-20	6		RGA1206	RGA2406	RGA4806			
	25-40	4		RGA1204	RGA2404	RGA4804			
	50	2				RGA4802	RGA6402	RGA9602	RGA14202
460	1-3	120	RGA6120	RGA12120	RGA24120				
	5-7.5	60	RGA660	RGA1260	RGA2460	RGA4860			
	10	30	RGA630	RGA1230	RGA2430	RGA4830			
	15-25	20	RGA620	RGA1220	RGA2420	RGA4820			
	30-60	10		RGA1210	RGA2410	RGA4810			
	75-250	4		RGA1204	RGA2404	RGA4804	RGA6404	RGA9604	RGA14204
575	300-450	2				RGA4802	RGA6402	RGA9602	RGA14202
	1-2	200	RGA6200	RGA12200					
	3-5	120	RGA6120	RGA12120	RGA24120				
	7.5-10	60	RGA660	RGA1260	RGA2460	RGA4860			
	15	30	RGA630	RGA1230	RGA2430	RGA4830			
	20-30	24		RGA1224	RGA2424	RGA4824			
	40-150	14				RGA4814	RGA6414		
		List Price	572	849	1299	2107	5312	8525	11731
		Mult. Sym.	E8	E8	E8	E8	E8	E8	E8

Series 15H, 18H, 19H, 20H and 22H

Expansion and Accessory Boards

Baldor offers a wide variety of plug-in expansion boards for Series 15H Inverters, Series 18H or 22H Vector Drives and Series 19H or 20H DC Controls. Expansion boards allow the drive to be interfaced with various inputs and outputs. Each control has the capability to utilize up to two expansion boards. The following list shows boards available. The matrix shows which boards may be used together in the same control.

Board Number	Description	List Price	Mult. Sym.
ACB003A01	Isolated Input/2 Relay Output Accessory Board Contains 9 Isolated inputs for 90-130VAC. All inputs must be the same voltage. Also has 2 relay outputs, Form "C": N.O. and N. C. Accessory Board mounts in Expansion Board slot but uses wiring harness to connect to motor control card. Requires control board with onboard 24VDC power supply.	298	E8
EXB003A04	Isolated Input Board Contains 9 isolated inputs jumper configurable for 10-30 VAC or 10-30 VDC. All must be the same voltage - one side of all inputs is common. This board replaces the opto inputs on the main control board. Uses screw terminals for connection. (Use with Series 15H, 18H and 22H only)	235	E8
EXB003A05	Isolated Input Board Contains 9 isolated inputs jumper configurable for 90-130 VAC. All must be the same voltage - one side of all inputs is common. This board replaces the opto inputs on the main control board. Uses screw terminals for connection. (Use with Series 15H, 18H and 22H only).	235	E8
EXB004A01	Four Output Relays / 3-15 PSI Pneumatic Interface Converts 3-15 PSI air pressure to 0-10 VDC or 10-0 VDC (inverted). Also has four relays, 2 of which are jumper selectable as N.O. or N.C., rated for 230VAC, 5 amps max and two form "C". Uses screw terminals for connections. Air hose connects to 1/8" O.D. nipple on board.	433	E8
EXB005A01	Master Pulse Reference / Isolated Pulse Follower-Bi-directional jumper selectable for: 1. Master quadrature pulse reference. Provides 5 volt quadrature A and B channel outputs with complements at a pulse rate proportional to accel-decel limited speed commands. Phase of B channel is reversed for reverse direction. 2. Master speed step-direction pulse reference. Provides 5 volt pulse and direction outputs with complements at a pulse rate proportional to accel-decel limited speed command. 3. Quadrature pulse follower. Provides opto isolated inputs for 5-15 volt quadrature A and B channel input speed commands and retransmits this input as 5 volt channel A and B outputs with complements at a pulse rate proportional to accel-decel limited speed command. Motor direction reverses with input channel phase reversal. 4. Speed step and direction pulse follower. Provides opto isolated inputs for 5-15 volt input pulse and direction. Commands and retransmits these inputs as 5 volt pulse and direction outputs with complements at a pulse rate proportional to accel-decel limited speed command.	368	E8
EXB006A01	DC Tachometer Interface Allows for DC tach input voltage for motor or process feedback Jumper selectable for input voltage with software trim for 10% tolerance. 250 VDC total maximum input voltage or can be used for one analog input with 16 bits resolution for ±10V and 15 bits resolution for 0-10 VDC input. Uses screw terminals for connection.	453	E8

Series 15H, 18H, 19H, 20H and 22H Expansion and Accessory Boards continued...

Board No.	Description	List Price	Mult. Sym.												
EXB007A02	<p>High Resolution Analog Board Allows one input with up to 16 bits resolution. DC inputs: ± 10V, 0-10V, ± 5V, 0-5V, with 300 microvolt resolution. Current inputs: 4-20 mA, with 0.6 microamps resolution.</p> <table><tr><td>Input</td><td>Resolution</td></tr><tr><td>± 10 V</td><td>16 bit</td></tr><tr><td>0 - 10 V</td><td>15 bit</td></tr><tr><td>± 5 V</td><td>15 bit</td></tr><tr><td>0 - 5 V</td><td>14 bit</td></tr><tr><td>4 - 20 mA</td><td>15 bit</td></tr></table> <p>Both the 0-10 V and 4-20 mA inputs may be inverted to 10-0 V and 20-4 mA. Two outputs, each with ± 10 VDC, 0-10 VDC or 4-20 mA with inverting capability. This replaces the analog outputs on the main control board. Uses screw terminals for connection.</p>	Input	Resolution	± 10 V	16 bit	0 - 10 V	15 bit	± 5 V	15 bit	0 - 5 V	14 bit	4 - 20 mA	15 bit	599	E8
Input	Resolution														
± 10 V	16 bit														
0 - 10 V	15 bit														
± 5 V	15 bit														
0 - 5 V	14 bit														
4 - 20 mA	15 bit														
EXB008A01	<p>Isolated Encoder Feedback Board This board is recommended for use with motors that do not have an electrically isolated encoder (Baldor Vector drive motors have isolated encoders). Contains a 0-15 VDC (300mA) isolated power supply to allow use with 5, 12 and 15 VDC encoders by jumper selection. Isolates A, B and index channels with complements. The retransmitted encoder signals may be configured in two ways with a board level jumper as follows:</p> <ol style="list-style-type: none">1. For 2 channel quadrature output (A and B with complements), set jumper to disable the marker channel (index pulse) as an input.2. To use the marker channel (index pulse) as an input, jumper must be set to disable channel B (and compliment) output. Retransmitted signals will always be 5 VDC differential. Uses screw terminals for connection.	632	E8												
EXB010A01	<p>Two analog output/three relay output board. Provides two isolated analog outputs each with 0-5VDC, 0-10VDC, or 4-20mA capability. Also includes three relay outputs jumper selectable for N.O. or N.C.rated for 230VAC, 5 amps maximum. Uses screw terminals for connection.</p>	368	E8												
EXB012A01	<p>RS232 and RS485 High Speed Serial Communications Allows Series 15H and 18H controls to be connected to RS232 half and full duplex and isolated RS485 half duplex,230.4K Baud maximum. Uses DB-9 connector for RS232 and screw terminals for RS485.</p>	235	E8												
EXB013A01	<p>DeviceNet Expansion Board Allows Series 15H and 18H controls to be connected to DeviceNet Communications Bus. Uses plug in terminals for connection</p>	619	E8												
EXB014A01	<p>Profibus DP Expansion Board Allows Series 15H and 18H controls to be connected to Profibus Communications Bus. Uses plug in terminals for connection</p>	745	E8												
EXB015A01	<p>Modbus plus Expansion Board Allows Series 15H and 18H controls to be connected to Modbus Communications Bus. Uses plug in terminals for connection</p>	891	E8												

Notes on Mounting

Expansion Boards plug into a slot inside the control. When using one expansion board either a Group 1 or 2 board will connect by a connector on the side of the board. When two expansion boards are used one must be from Group 1 and one from Group 2.

Accessory Boards can mount into either a Group 1 or Group 2 slot. When using an Accessory Board only one other Expansion Board may be used.

Group 1 Boards

Isolated Input Board
EXB003A04
EXB003A05
Master Pulse Reference/
Isolated Pulse Follower
EXB005A01
DC Tachometer Interface
EXB006A01
Isolated Encoder Feedback
EXB008A01

Group 2 Boards

Four Output Relays /
3-15 PSI Pneumatic Interface
EXB004A01
High Resolution Analog Board
EXB007A02
Two analog output/three relay outputs
EXB010A01
RS232/RS485 High Speed Serial
Communication
EXB012A01
DeviceNet Communication
EXB013A01
Profibus DP Communication
EXB014A01
Modbus Plus Communication
EXB015A01

Three Phase - Line and Load Reactors



1 thru 500 Hp

Applications: Line side power conditioning for AC motor controls to prevent unwanted harmonics and nuisance drive trips. Load side power conditioning to smooth power wave form to connected motor to reduce motor electrical stresses and increase motor life.

Features: Open construction with connection terminals. 3% impedance rating at rated current.

Hp (Rated)	kW (Rated)	Input Volts	Cont. Amps	Induct. (mH)	Full Load Watts Loss	Catalog Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.
208, 230 Volt input, 60 Hz, 3% Impedance									
1	0.75	208/230	4	3.0	14.5	LRAC00401	244	E8	4
1 1/2-2	1.1-1.15	208/230	8	1.15	19.5	LRAC00801	244	E8	4
3	2.2	208/230	12	1.25	26	LRAC01201	395	E8	10
5	3.7	208/230	18	0.8	36	LRAC01801	414	E8	4
7 1/2	5.5	208/230	25	0.5	48	LRAC02501	498	E8	11
10	7.4	208/230	35	0.4	49	LRAC03501	528	E8	11
15	11.1	208/230	45	0.3	54	LRAC04501	557	E8	23
20	14.9	208/230	55	0.25	64	LRAC05501	591	E8	26
25	18.6	208/230	80	0.138	105	LRAC080BTB	690	E8	41
30	22.3	208/230	100	0.1	95	LRAC110BCB	895	E8	28
40	29.8	208/230	130	0.085	117	LRAC130BCB	1201	E8	30
50	37.2	208/230	160	0.069	127	LRAC160BCB	1396	E8	47
460 Volt input, 60 Hz, 3% Impedance									
1-1 1/2	0.75-1.1	460	2	12.0	7.5	LRAC00201	226	E8	4
2-3	1.5-2.2	460	4	6.5	20	LRAC00402	259	E8	4
5	3.7	460	8	3.0	29	LRAC00802	303	E8	7
7 1/2	5.5	460	12	2.5	31	LRAC01202	418	E8	11
10	7.4	460	18	1.5	43	LRAC01802	437	E8	11
15	11.1	460	25	1.2	52	LRAC02502	524	E8	13
20-25	14.9-18.6	460	35	0.8	54	LRAC03502	556	E8	15
30	22.3	460	45	0.7	62	LRAC04502	589	E8	27
40	29.8	460	55	0.5	67	LRAC05502	621	E8	28
50-60	37.2-44.7	460	80	0.4	120	LRAC08002	728	E8	33
75	56	460	110	0.2	140	LRAC110ACB2	946	E8	54
100	75	460	130	0.17	150	LRAC130ACB2	1265	E8	54
125	93.2	460	160	0.13	300	LRAC160ACB2	1473	E8	54
150	112	460	200	0.11	222	LRAC200ACB	1725	E8	68
200	149	460	250	0.088	370	LRAC250ACB2	2250	E8	91
250	186.5	460	320	0.061	470	LRAC360ACB2	2413	E8	128
300	223.8	460	400	0.053	460	LRAC420ACB2	2571	E8	188
350-400	261-298	460	500	0.046	740	LRAC480ACB2	3916	E8	201
500	373	460	600	0.037	493	LRAC600ACB	4732	E8	245
575 Volt input, 60 Hz, 3% Impedance									
1-2	0.75-1.5	575	2	20	11.3	LRAC00202	228	E8	4
3	2.2	575	4	9	20	LRAC00403	355	E8	4
5	3.7	575	8	5	25.3	LRAC00803	400	E8	10
7 1/2	5.5	575	8	3	29	LRAC00802	303	E8	7
10	7.5	575	12	2.5	31	LRAC01202	418	E8	11
15	11	575	18	1.50	43	LRAC01802	437	E8	11
20-25	15	575	25	1.20	52	LRAC02502	524	E8	13
30	22	575	35	0.80	54	LRAC03502	556	E8	15
40	30	575	45	0.70	62	LRAC04502	589	E8	27
50	37.5	575	50	0.5	67	LRAC05502	621	E8	28
60-75	45-55	575	80	0.4	120	LRAC08002	728	E8	33
100	75	575	110	0.20	140	LRAC110ACB2	946	E8	54
125	93	575	130	0.17	150	LRAC130ACB2	1265	E8	54
150	112	575	160	0.13	300	LRAC160ACB2	1473	E8	54

NOTE: See page 220 for Line Reactor enclosures. See notes on pages 8 and 9, and inside back flap.

(1) 2.5% impedance rating. % impedance decreases if load current is less than reactor rated current.

Three Phase - Line and Load Reactors continued...

Hp (Rated)	kW (Rated)	Input Volts	Cont. Amps	Induct. (mH)	Full Load Watts Loss	Catalog Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.
200-240 Volt Input, 50 Hz, 3% Impedance									
1	0.75	200-240	4	3.0	14.5	LRAC00401	244	E8	4
2	1.15	200-240	8	1.15	19.5	LRAC00801	244	E8	4
3	2.2	200-240	12	1.25	26	LRAC01201	395	E8	10
5	3.7	200-240	18	0.8	36	LRAC01801	414	E8	4
7 1/2	5.5	200-240	25	0.5	48	LRAC02501	498	E8	11
10	7.5	200-240	35	0.4	49	LRAC03501	528	E8	11
15	11.1	200	45	0.3	54	LRAC04501	557	E8	23
20	14.9	200	55	0.25	64	LRAC05501	591	E8	26
25	18.6	200	80	0.2	105	LRAC080BTB	690	E8	41
30	22.3	200	110	0.1	95	LRAC110BCB	895	E8	28
40	29.8	200	130	0.085	117	LRAC130BCB	1201	E8	30
50	37.2	200	160	0.069	127	LRAC160BCB	1396	E8	47
380/400/415 Volt Input, 50 Hz, 3% Impedance									
1	0.75	380	2	12.0	7.5	LRAC00201	226	E8	4
1	0.75	400/415	2	20.0	11.3	LRAC00202	228	E8	4
2	1.5	380	4	6.5	20	LRAC00402	259	E8	4
2	1.5	400/415	4	9.0	20	LRAC00403	355	E8	4
3	2.2	380/400/415	8	5.0	25.3	LRAC00803	400	E8	10
5	3.7	380/400/415	8	3.0	29	LRAC00802	303	E8	7
7 1/2	5.5	380/400/415	12	2.5	31	LRAC01202	418	E8	11
10	7.5	380/400/415	18	1.5	43	LRAC01802	437	E8	11
15	11.1	380/400/415	25	1.2	52	LRAC02502	524	E8	13
20	14.9	575	35	0.8	54	LRAC03502	556	E8	15
25-30	18.6-22.3	380/400/415	45	0.7	62	LRAC04502	589	E8	27
40	29.8	575	55	0.5	67	LRAC05502	621	E8	28
50	37.2	575	80	0.4	120	LRAC08002	728	E8	33
100	75	380	160	0.13	300	LRAC160ACB2	1473	E8	54
100	75	400/415	130	0.17	150	LRAC130ACB2	1265	E8	54
125	93	380/400/415	200	0.11	222	LRAC200ACB	1725	E8	68
150	112	380/400	250	0.088	370	LRAC250ACB2	2250	E8	91
200	149	415	250	0.088	370	LRAC250ACB2	2102	E8	91
250	186.5	380/400/415	360	0.061	470	LRAC360ACB2	2413	E8	128
300	223.8	380/400/415	420	0.053	460	LRAC420ACB2	2571	E8	188
350	261	380/400	480	0.046	493	LRAC480ACB2	3916	E8	201
400	298	415	480	0.046	493	LRAC480ACB2	3659	E8	201

Line Reactor Enclosures NEMA 1

Enclosure Catalog No.	to Fit LRAC Catalog No.		Mount Type	List Price	Mult. Sym.	Width (IN/mm)	Height (IN/mm)	Depth (IN/mm)	Ap'x Shpg. Wgt. (Lbs)
LRENC-8	LRAC002-4XX LRAC008-12XX	LRAC01801 LRAC01802	WALL	154	E8	8 (293)	10 (254)	6 (152)	7
LRENC-13	LRAC01803 LRAC025-35XX LRAC045-55XX	LRAC08002	FLOOR	303	E8	13 (330)	15 (381)	13 (330)	34
LRENC-15	LRAC080XTB LRAC0110-500XX	LRAC110-160XX	FLOOR	455	E8	15 (381)	16 (406)	13 (330)	45
LRENC-20S	LRAC200-250XCB	LRAC250-900ACB	FLOOR	610	E8	20 (508)	19 (483)	16 (406)	50

NOTE: See notes on pages 8 and 9, and inside back flap.

Digital Speed Potentiometer with Display



Baldor's microprocessor-based digital speed potentiometer with LED display of set speed may be used to replace the conventional 3-wire analog speed pot for most AC and DC drives. Desired set speed may be entered into the large 1/2" LED display by pressing the "up" and "down" pushbuttons: one digit at a time or in a fast sweep. Display shows 0.1% increments of full motor speed (0-100%).

Specifications

Temperature	-10°C to +45°C
AC input voltage	85-264 VAC
Input frequency	50/60 Hz
Supply voltage applied across output	5 VDC to 15 VDC
Speed regulation	Same as driven unit
Input impedance to DSP4 will drive	500 ohm to 100 K ohm
Output	Isolated 3-wire pseudo-pot (normal or inverted output)
Display settings	0-100% of set speed range in 0.1% increments (resolution of 1000)
Non-volatile memory	Retains last set point upon loss of AC power (user selectable via dip switch settings)

Catalog Number	Description	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.	Input Voltage
DSP4-6	Digital Speed Potentiometer with Display	484	E9	2	120/240 VAC 50/60 hz

Field Programmable Digital Tachometer for Rate and Time with Display



Baldor offers an economical micro-processor-based digital tachometer capable of measuring motor speeds as low as 1 rpm. Unit is field programmable for desired user specified units: RPM, FPM and GPM. Process time or other engineering units requires an input signal unit with 1 to 30,000 PPR such as the HPU and RK60 devices on page 249

Specifications

Temperature	-10°C to +45°C
AC input voltage	85-264 VAC
Input frequency	50/60 Hz
Input pulse rate	1 to 30,000 input pulses per minute
Resolution	from 0.01 RPM
Accuracy	±0.04% display update every pulse or 0.5 seconds, whichever is longer
Isolated high/low alarm output	5 amp 240 VAC max.
Transducer signal input	0-5 to 0-24 VDC square wave (hall-effect, photoelectric, magnetic or any TTL NPN open collector device.)

Catalog Number	Description	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.	Input Voltage
DTM8000-6	Digital Tachometer for Rate & Time with Display	529	E9	1	120/240 VAC 50/60 hz

Subfractional Permanent Magnet DC Motor - TENV, Rigid Base



1/50 thru 1/4 Hp

Applications: General purpose including conveyors, material handling equipment and packaging machinery.

Features: High quality ball bearing motors with precision machined die cast aluminum or steel housings. Dynamically balanced for smooth, vibration-free operation.

Input Motor Hp	Output Base Speed	Voltage Direct Current Armature	Full Load Amperage Armature	Catalog Number	List Price	Mult. Sym.	Motor Type & Gear Style	Ap'x. Shpg. Wgt.
1/50	1800	90	0.3	AP231001	190	DS	2308P-ABP-0	4
1/25	1725	90	0.5	AP232001	208	DS	2314P-ABP-0	5
1/15	1800	90	0.8	AP233001	223	DS	2318P-ABP-0	6
1/8	1725	90	1.3	AP7401	313	DS	74-AHP-0	10
1/4	3450	90	2.5	AP7402	313	DS	74-AHP-0	10
1/15	1800	180	0.4	AP233021	223	DS	2318P-ABP-0	5
1/8	1725	180	0.7	AP7421	313	DS	74-AHP-0	10
1/4	3450	180	1.3	AP7422	313	DS	74-AHP-0	11

NOTE: Supplied with type SJO, three foot 18/3 AWG grounded cord. See notes on pages 8 and 9, and inside back flap.

SCR Drive Permanent Magnet Motor - TENV and TEFC, Rigid Base with C-Face

1/4 thru 5 Hp

NEMA 56C thru 1810ATC

Applications: Conveyors, mixers, packaging machinery.

Features: NEMA C-face with removable base. Tach adaptable. Class F insulation, double sealed ball bearings. 20:1 constant torque speed range. UL and CSA recognized. 3300P motors are TENV, all others are TEFC. No dual mounting base holes on 33P type.



Hp	Base Speed	NEMA Frame	Voltage D.C.		Full Load Amperage		Catalog Number	List Price	Mult. Sym.	Type	Ap'x. Shpg. Wgt.
			Arm.	Field	Arm.	Field					
1/4	1750	56C	90	PM	2.5	PM	CDP3310	454	K	3320P	24
1/4	1750	56C	180	PM	1.3	PM	CDP3306	454	K	3320P	24
1/3	1750	56C	90	PM	3.2	PM	CDP3320	480	K	3327P	27
1/3	1750	56C	180	PM	1.6	PM	CDP3316	480	K	3327P	27
1/2	1750	56C	90	PM	4.8	PM	CDP3330	537	K	3336P	32
1/2	1750	56C	180	PM	2.5	PM	CDP3326	537	K	3336P	31
1/2	2500	56C	90	PM	5.0	PM	CDP3335	480	K	3327P	26
3/4	1750	56C	90	PM	7.6	PM	CDP3440	652	K	3428P	18
3/4	1750	56C	180	PM	3.7	PM	CDP3436	652	K	3428P	39
3/4	2500	56C	90	PM	7.5	PM	CDP3443	577	K	3420P	36
1	1750	56C	90	PM	10.0	PM	CDP3445	794	K	3435P	44
1	1750	56C	180	PM	5.0	PM	CDP3455	794	K	3435P	44
1	2500	56C	90	PM	9.7	PM	CDP3450	652	K	3428P	38
1	2500	56C	180	PM	4.9	PM	CDP3460	652	K	3428P	38
1 1/2	1750	145TC	180	PM	7.7	PM	CDP3575	1464	L1	3536P	67
1 1/2	2500	145TC	180	PM	7.0	PM	CDP3580	1273	L1	3524P	53
2	1750	145TC	180	PM	9.6	PM	CDP3585	1747	L1	3548P	74
2	2500	145TC	180	PM	10.0	PM	CDP3590	1464	L1	3536P	66
3	1750	184TC	180	PM	14.0	PM	CDP3603	2151	L1	3649P	110
3	1750	184C	180	PM	14.0	PM	CDP3604	2139	L1	3649P	113
5	1750	1810ATC	180	PM	21.6	PM	CDP3605	3652	L1	3681P	153

NOTE: See Tach Generators on page 232 and Mounting Kits on page 233. See notes on pages 8 and 9, and inside back flap.

Integral DC Tach Permanent Magnet SCR Drive Motor -

TENV and TEFC, Rigid Base with C-Face



1/4 thru 5 Hp

NEMA 56C thru 1810ATC

Applications: Conveyors and metering pumps (precise speed regulation).

Features: Provides an integral 50 VDC per 1000 RPM precision tachometer for closed loop drive system. Class F insulation. 20:1 constant torque speed range with NEMA Type K control. 3300P motors are TENV, all others are TEFC.

Hp	Base Speed	NEMA Frame	Voltage D.C.		Full Load Amperage		Catalog Number	List Price	Mult. Sym.	Type	Ap'x. Shpg. Wgt.
			Arm.	Field	Arm.	Field					
1/4	1750	56C	90	PM	2.5	PM	CDPT3310 †□	1301	K	3320P	27
1/4	1750	56C	180	PM	1.3	PM	CDPT3306 †□	1301	K	3320P	27
1/3	1750	56C	90	PM	3.2	PM	CDPT3320 †□	1327	K	3327P	30
1/3	1750	56C	180	PM	1.6	PM	CDPT3316 †□	1327	K	3327P	30
1/2	1750	56C	90	PM	4.8	PM	CDPT3330 †□	1411	K	3336P	35
1/2	1750	56C	180	PM	2.5	PM	CDPT3326 †□	1411	K	3336P	36
3/4	1750	56C	90	PM	7.6	PM	CDPT3440 †	1493	K	3428P	44
3/4	1750	56C	180	PM	3.7	PM	CDPT3436 †	1493	K	3428P	45
1	1750	56C	90	PM	10.0	PM	CDPT3445 †	1665	K	3435P	50
1	1750	56C	180	PM	5.0	PM	CDPT3455 †	1665	K	3435P	50
1 1/2	1750	145TC	180	PM	7.7	PM	CDPT3575 †	2312	L1	3536P	71
2	1750	145TC	180	PM	9.6	PM	CDPT3585 †	2594	L1	3548P	79
3	1750	184TC	180	PM	14.0	PM	CDPT3603 †	3018	L1	3649P	122
5	1750	1810ATC	180	PM	24.5	PM	CDPT3605 †	4515	L1	3681P	161

Explosion Proof Permanent Magnet SCR Drive Motor - TEFC, Rigid Base with C-Face



1/4 thru 1 1/2 Hp

NEMA 56C thru 145TC

Applications: Conveyors, feeders, and pumps (adjustable speed and constant torque for hazardous locations).

Features: NEMA C-Face with welded on base. 20:1 constant torque speed range. UL and CSA. Class I, Group D; Class II, Group F & G. T3C. Thermostat and explosion proof conduit box included. Not tach adaptable.

Hp	Base Speed	NEMA Frame	Voltage D.C.		Full Load Amperage		Catalog Number	List Price	Mult. Sym.	Type	Ap'x. Shpg. Wgt.
			Arm.	Field	Arm.	Field					
1/4	1750	56C	90	PM	2.7	PM	CDPX3410†Ⓢ	1250	K	X3413P	38
1/4	1750	56C	180	PM	1.3	PM	CDPX3406†Ⓢ	1250	K	X3413P	38
1/3	1750	56C	90	PM	3.6	PM	CDPX3420†Ⓢ	1572	K	X3420P	42
1/3	1750	56C	180	PM	1.7	PM	CDPX3416†Ⓢ	1572	K	X3420P	44
1/2	1750	56C	90	PM	5.2	PM	CDPX3430†Ⓢ	1775	K	X3428P	46
1/2	1750	56C	180	PM	2.5	PM	CDPX3426†Ⓢ	1775	K	X3428P	46
3/4	1750	56C	90	PM	7.0	PM	CDPX3440†Ⓢ	2194	K	X3435P	51
3/4	1750	56C	180	PM	3.5	PM	CDPX3436†Ⓢ	2194	K	X3435P	51
1	1750	56C	90	PM	9.6	PM	CDPX3545†Ⓢ	2923	K	X3536P	72
1	1750	56C	180	PM	4.9	PM	CDPX3555†Ⓢ	2923	K	X3536P	71
1 1/2	1750	145TC	180	PM	7.1	PM	CDPX3575†Ⓢ	3125	L1	X3548P	81

NOTE: Ⓢ Class I, Group D, Class II, Group F & G. T3C. See notes on pages 8 and 9, and inside back flap.

HVAC Motors

Farm Duty Motors

Definite Purpose Motors

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Start & Dynamic Brakes

Washdown Duty Permanent Magnet SCR Drive Motor - TENV and TEFC, Rigid Base with C-Face

1/4 thru 5 Hp

NEMA 56C thru 1810ATC

Applications: Food processing conveyors and feeders exposed to high pressure wash down.

Features: Moisture sealant on bolt heads between frame and endplates, neoprene gasketed conduit box. Double sealed ball bearings. Forsheda® running contact v-ring slinger. Stainless steel shaft. Electrostatic epoxy paint coating. Class F insulation. 20:1 constant torque speed range. Tach adaptable. 3300P motors are TENV, all others are TEFC.



Hp	Base Speed	NEMA Frame	Voltage D.C.		Full Load Amperage		Catalog Number	List Price	Mult. Sym.	Type	Ap'x. Shpg. Wgt	
			Arm.	Field	Arm.	Field						
1/4	1750	56C	90	PM	2.5	PM	CDPWD3310	†	589	K	3320P	25
1/4	1750	56C	180	PM	1.3	PM	CDPWD3306	†	589	K	3320P	24
1/3	1750	56C	90	PM	3.2	PM	CDPWD3320	†	622	K	3327P	27
1/3	1750	56C	180	PM	1.6	PM	CDPWD3316	†	622	K	3327P	27
1/2	1750	56C	90	PM	4.8	PM	CDPWD3330	†	699	K	3336P	32
1/2	1750	56C	180	PM	2.5	PM	CDPWD3326	†	699	K	3336P	32
3/4	1750	56C	90	PM	7.6	PM	CDPWD3440	†	845	K	3428P	38
3/4	1750	56C	180	PM	3.7	PM	CDPWD3436	†	845	K	3428P	38
1	1750	56C	90	PM	10.0	PM	CDPWD3445	†	1032	K	3435P	44
1	1750	56C	180	PM	5.0	PM	CDPWD3455	†	1032	K	3435P	44
1 1/2	1750	145TC	180	PM	7.7	PM	CDPWD3575	†	1974	L1	3536P	66
2	1750	145TC	180	PM	9.6	PM	CDPWD3585	†	2356	L1	3548P	75
3	1750	184TC	180	PM	14.0	PM	CDPWD3603	†	3015	L1	3649P	116
5	1750	1810ATC	180	PM	24.5	PM	CDPWD3605	†	5110	L1	3681P	157

NOTE: See Tach Generators on page 232. Mounting kits on page 233. See notes on pages 8 and 9, and inside back flap.

Paint Free Washdown Duty Permanent Magnet SCR Drive Motor

1/4 thru 1 Hp

NEMA 56C

Applications: Food processing, packaging exposed to high pressure washdown with caustic solutions.

Features: Class F insulation; 20:1 constant torque speed range. Moisture resistant 200°C magnet wire. Sealed ball bearings with moisture resistant grease. Contact lip seals on shaft extensions. Neoprene gaskets. Special processed endplates. 300 series stainless steel motor frame, base, shaft and hardware. No exterior paint. Tropicalized. Not tach adaptable.



Hp	Base Speed	NEMA Frame	Voltage D.C.		Full Load Amperage		Catalog Number	List Price	Mult. Sym.	Type	Ap'x. Shpg. Wgt.	
			Arm.	Field	Arm.	Field						
1/4	1750	56C	90	PM	2.7	PM	CDPSWD3410	†	706	K	3413P	29
1/4	1750	56C	180	PM	1.3	PM	CDPSWD3406	†	706	K	3413P	28
1/2	1750	56C	90	PM	5.2	PM	CDPSWD3430	†	836	K	3428P	37
1/2	1750	56C	180	PM	2.5	PM	CDPSWD3426	†	836	K	3428P	38
1	1750	56C	90	PM	9.6	PM	CDPSWD3545	†	1237	K	3536P	63
1	1750	56C	180	PM	4.9	PM	CDPSWD3555	†	1237	K	3536P	63

Metric Flange Permanent Magnet SCR Drive Motor, and Face Mount



0.2 thru 3.7 Hp

IEC D63 thru D112D

Applications: Metric SCR Drive Motor replacement.

Features: Metric Flange or C-Face per IEC60072-1 Standards. Bolt on non-metric base. Class F insulation. Tach adaptable except type 135P. 20:1 constant torque speed range. Type 135P and 3300P motors are TENV; all others are TEFC. Conforms to IEC60034-1.

kW/Hp	Base Speed	NEMA Frame	Voltage D.C.		Full Load Amperage		Catalog Number		List Price	Mult. Sym.	Type	Ap'x. Shpg. Wgt.
			Arm.	Field	Arm.	Field						
B5 Flange												
.15/.20	1800	D63D	180	PM	1.1	PM	VP7424D	□	314	DS	135P	5
.18/.25	1750	D71D	180	PM	1.3	PM	VP3311D	†□	454	K	3320P	24
.25/.33	1750	D71D	180	PM	1.6	PM	VP3316D	†□	480	K	3327P	26
.37/.5	1750	D71D	180	PM	2.5	PM	VP3326D	†□	537	K	3336P	31
.37/.50	3000	D71D	180	PM	2.5	PM	VP3428D	†	556	K	3416P	32
.57/.75	1750	D80D	180	PM	3.7	PM	VP3436D	†	652	K	3428P	41
.57/.75	3000	D80D	180	PM	3.6	PM	VP3439D	†	577	K	3420P	40
.75/1	1750	D80D	180	PM	5.0	PM	VP3455D	†	794	K	3435P	22
.75/1	3000	D80D	180	PM	5.1	PM	VP3458D	†	652	K	3428P	41
1.1/1.5	1750	D90D	180	PM	7.7	PM	VP3575D	†	1464	L1	3536P	68
1.1/1.5	3000	D90D	180	PM	7.7	PM	VP3468D	†	723	L1	3432P	47
1.5/2	1750	D90D	180	PM	9.6	PM	VP3585D	†	1747	L1	3548P	76
1.5/2	3000	D90D	180	PM	10.0	PM	VP3588D	†	1464	L1	3536P	69
2.2/3	1750	D112D	180	PM	14.0	PM	VP3603D	†	2151	L1	3649P	122
3.7/5	1750	D112D	180	PM	24.5	PM	VP3605D	†	3652	L1	3681P	165
B14 Face												
.15/.20	1800	D63C	180	PM	1.1	PM	VP7424-14	□	314	DS	135P	5
.18/.25	1750	D71C	180	PM	1.4	PM	VP3411-14	†	511	K	3410P	30
.25/.33	1750	D71C	180	PM	1.7	PM	VP3416-14	†	634	K	3413P	31
.37/.50	3000	D71C	180	PM	2.5	PM	VP3428-14	†	556	K	3416P	31
.37/.50	1750	D71C	180	PM	2.5	PM	VP3426-14	†	577	K	3420P	37
.56/.75	3000	D80C	180	PM	3.6	PM	VP3439-14	†	577	K	3420P	35
.56/.75	1750	D80C	180	PM	3.7	PM	VP3436-14	†	652	K	3428P	39
.75/1	3000	D80C	180	PM	5.1	PM	VP3458-14	†	652	K	3428M	38
.75/1	1750	D80C	180	PM	5.0	PM	VP3455-14	†	794	K	3435P	44
1.1/1.5	3000	D80C	180	PM	7.7	PM	VP3468-14	†	723	L1	3432P	43
1.1/1.5	1750	D90C	180	PM	7.7	PM	VP3575-14	†	1464	L1	3536P	73
1.5/2	3000	D90C	180	PM	10.0	PM	VP3588-14	†	1464	L1	3536P	70
1.5/2	1750	D90C	180	PM	9.6	PM	VP3585-14	†	1747	L1	3548P	80

NOTE: Above motors D71 and larger with B5 flange, fitted with oil seal. Catalog numbers VP7424D and VP7424-14 are not tach adaptable. Tach Generators are shown on page 232. Tach Mounting Kits are shown on page 233. See notes on pages 8 and 9, and inside back flap.

Low Voltage Permanent Magnet Motor - TENV and TEFC

1/4 thru 1 Hp

NEMA 56C

Applications: Battery operation for portable pumps, fans, augers, winches and lifts.

Features: NEMA C-face, Class F insulation, double sealed ball bearings. Top-mounted terminal studs for power connection on ratings 40-amps and up. Not tach adaptable. 1/4 - 1/2 Hp are TENV, 2/4 - 1 Hp are TEFC.



Hp	Base Speed	NEMA Frame	Voltage D.C.	Full Load Amperage	Catalog Number		List Price	Mult. Sym.	Type	Ap'x. Shpg. Wgt.
1/4	1800	56C	12	22.5	CDP3410-V12	†	489	K	3416P	32
1/4	1800	56C	24	10.6	CDP3410-V24	†	464	K	3416P	32
1/3	1800	56C	12	28.6	CDP3420-V12	†	537	K	3416P	32
1/3	1800	56C	24	13.6	CDP3420-V24	†	512	K	3416P	32
1/2	1800	56C	12	40.0	CDP3430-V12	†	556	K	3420P	33
1/2	1800	56C	24	19.6	CDP3430-V24	†	531	K	3424P	35
3/4	1800	56C	12	66.0	CDP3440-V12	†	799	K	3430P	42
3/4	1800	56C	24	29.4	CDP3440-V24	†	554	K	3424P	35
1	1800	56C	12	85.6	CDP3445-V12	†	1158	K	3435P	45
1	1800	56C	24	34.2	CDP3445-V24	†	1152	K	3435P	46

DC Power Motor - TEFC, Rigid Base

1/3 thru 1 1/2 Hp

NEMA 56 thru 184

Applications: Cranes, hoists, conveyors, augers and marine duty DC applications. Powered from generators or batteries.

Features: 20% Compound Wound. Weather proof, meets IEEE45 specifications. Suitable for mounting in any position. Continuous duty. Easy access brushes. Not tach adaptable.



Hp	Speed	NEMA Frame	Rated Current	Catalog Number	List Price	Mult. Sym.	Type	Ap'x. Shpg. Wgt.	
115 VDC									
1/3	1750	56	3.2	D1151	†	890	K	3413D	23
1/2	1750	56	4.8	D1152	†	952	K	3420D	29
3/4	1750	56	6.6	D1153	†	1118	K	3428D	34
1	1750	56	8.0	D1154	†	1315	K	3535D	62
230 VDC									
1/3	1750	56	1.7	D2301	†	890	K	3513D	32
1/2	1750	56	2.1	D2302	†	954	K	3420D	29
3/4	1750	56	3.3	D2303	†	1118	K	3428D	33
1	1750	56	4.0	D2304	†	1315	K	3535D	59
1 1/2	1750	184	6.1	D2305	†	2311	L1	3636D	84

NOTE: Not for SCR control applications. Base welded on 3513D type only. Not tach adaptable. See notes on pages 8 and 9, and inside back flap.

Shunt Wound SCR Drive 1/4 thru 10 Hp Motors - TEFC and Explosion-Proof C-Face with Bolt on Base



Applications: Conveyors, printing, textile equipment, machine tools (adjustable speeds with constant torque).

Features: TEFC enclosure, shunt wound, Class F insulation. Designed for use with NEMA TYPE K SCR control, 20:1 constant torque speed range (except where noted). NEMA C-face and removable base (1) (except on explosion proof models). NEMA 182 and larger have a thermostat (normally closed contracts) on the field winding. No dual mounting base holes on 35D, 75D or 91D type.

Hp	Base Speed	NEMA Frame	Voltage D.C.		Full Load Amperage		Catalog Number	List Price	Mult. Sym.	Type	Ap'x. Shpg. Wgt.
			Arm.	Field	Arm.	Field (3)					
1/4	1750	56C	90	100/50	3.0	0.3	CD3425 †	458	K	3413D	23
1/3	1750	56C	90	100/50	3.4	0.4	CD3433 †	500	K	3413D	24
1/3	1750	56C	180	200/100	1.9	0.21	CD3434 †	500	K	3413D	24
1/3	1750	56C	90	100/50	3.7	0.5	CD5333 (1) †	721	K	3513D	29
1/2	1750	56C	90	100/50	5.2	0.5	CD3450 †	568	K	3420D	29
1/2	1750	56C	180	200/100	2.6	0.25	CD3451 †	568	K	3420D	29
1/2	1750	56C	90	100/50	5.0	0.44	CD5350 †	797	K	3520D	38
3/4	1750	56C	90	100/50	7.8	0.6	CD3475 †	707	K	3428D	34
3/4	1750	56C	180	200/100	3.9	0.3	CD3476 †	707	K	3428D	34
3/4	1750	56C	90	100/50	8.0	0.6	CD5375 †	938	K	3528D	47
1	1750	56C	90	100/50	10.0	0.6	CD5319 †	1000	K	3535D	52
1	1750	56C	180	200/100	5.0	0.3	CD5318 †	1000	K	3535D	53
1	1750	184C	90	100/50	9.6	0.55	CD6219 †	1336	L1	3623D	66
1	1750	184C	180	200/100	5.0	0.25	CD6218 †	1336	L1	3623D	65
1 1/2	1750	184C	180	200/100	7.5	0.25	CD6215 †	1497	L1	3636D	84
2	1750	184C	180	200/100	9.5	0.4	CD6202 †	1771	L1	3646D	98
2	1750	213C	180	200/100	10.0	0.3	CD7502 †	3023	L1	7528D	133
3	1750	184TC	180	200/100	14.7	0.6	CD6203 ††●	2010	L1	3668D	137
3	1750	215C	180	200/100	14.5	0.4	CD7503 †	3215	L1	7544D	163
5	1750	215C	240	300/150	17.5	0.2	CD7505 †	4155	L1	7556D	190
5	1750	256UC	180	200/100	23.0	1.0	CD9105 †	5639	L1	9154D	304
7 1/2	1750	256UC	240	300/150	27.0	0.7	CD9175 †	6688	L1	9154D	305
10	1750	256UC	240	300/150	35.0	0.65	CD9110 †	7376	L1	9168D	347

Explosion-Proof - Continuous Duty - Class I, Group D & Class II, Group F & G - 1.0 S.F.

1/2	1750	182CZ	90	100/50	4.9	.55/1.1	CDX1850 (2) ◆	1816	L1	X3623D	103
3/4	1750	182CZ	90	100/50	7.0	.55/1.1	CDX1875 (2) ◆	2406	L1	X3623D	100
1	1750	182CZ	180	200/100	5.0	.25/.50	CDX2001 (2) ◆	2994	L1	X3623D	105
1	1750	182C	180	200/100	5.0	.25/.50	CDX7100 ◆	2484	L1	X3623D	103
1 1/2	1750	184C	180	200/100	7.5	.25/.50	CDX7150 ◆	3289	L1	X3636D	121
2	1750	184C	180	200/100	9.5	.4/.8	CDX7200 (2) ◆	3695	L1	X3646D	135
3	1750	215CY*	180	200/100	14.5	.4/.8	CDX7513 (2) ◆	6290	L1	X7544D	259

NOTE: See Tach Generators on page 232 and Mounting Kits on page 233. Tach Mounting Kits are not available for explosion-proof motors. (1) Base welded on type 3513D only. (2) Refers to shaft and/or face mounting dimensions only. Base mounting dimensions and shaft height differ from NEMA frames shown. See the Baldor Drives Catalog for details. (3) Field amps for high voltage connection. ● 3:1 Speed range with constant torque. Explosion-proof ratings UL and CSA, Class I, Group D & Class II, Group F & G, will not exceed surface temperature of 165°C, equivalent to Code T3B. See notes on pages 8 and 9, and inside back flap.

* F2 Mount

SCR Drive Motors Shunt 5 thru 250 Hp and Stabilized Shunt Wound - DPFPG, Self Ventilated, Rigid Base

NEMA L186AT thru 506AT

Applications: Conveyors, plastic extruders, packaging machinery and other constant torque applications for DC SCR motors.

Features: Includes thermostat on interpole. Class F insulation system resistant to dirt, carbon, dust and moisture. High dielectric stability. Low moment of inertia armature for fast response. Constant pressure brush springs and longer brushes for reduced maintenance. Includes grease fittings and reliefs for bearing maintenance. Power code C and D or M-G sets. Maximum RPM by field weakening. Provisions for tach mounting. (See tach mounting kits on page 231). May be converted to blower ventilated (DPBV) for extended constant torque speed range.



Hp	Base/Max Speed (5)	NEMA Frame	Voltage D.C.		Full Load Amperage		Catalog Number	List Price Motors Only (6)	Mult. Sym.	Ap'x. Shpg. Wgt. (7)	XPY Tach Kit	Blower Catalog Number
			Arm.	Field	Arm.	Field (4)						
5	1750/2300	L186AT	240	150/300	17.7	0.68	D2005P	3628	N2	184	TKP1836XP	FVB3180
5	1750/2300	L186AT	500	150/300	8.5	0.60	D5005P	3628	N2	178	TKP1836XP	FVB3180
7 1/2	1750/2300	1810AT	240	150/300	28.1	0.80	D2007P	4377	N2	242	TKP1836XP	FVB3180
7 1/2	1750/2300	218AT	500	150/300	13.2	0.69	D5007P	4377	N2	244	TKP1836XP	FVB3210
10	1750/2300	219AT	240	150/300	36.6	2.16	D2010P	4988	N2	260	TKP1836XP	FVB3210
10	1750/2300	219AT	500	150/300	17.2	1.17	D5010P	4988	N2	264	TKP1836XP	FVB3210
15	1750/2300	258AT	240	150/300	55.0	2.58	D2015P	6001	N2	376	TKP1836XP	FVB3250
15	1750/2300	258AT	500	150/300	25.2	1.40	D5015P	6001	N2	382	TKP1836XP	FVB3250
20	1750/2300	259AT	240	150/300	70.5	2.48	D2020P	6880	N2	426	TKP1836XP	FVB3250
20	1750/2300	259AT	500	150/300	35.1	1.24	D5020P	6880	N2	424	TKP1836XP	FVB3250
25	1750/2300	288AT	240	150/300	89.2	2.99	D2025P	8120	N2	636	TKP1836XP	FVB4280
25	1750/2300	287-8AT	500	150/300	43.4	1.64	D5025P	8120	N2	520	TKP1836XP	FVB4280
30	1750/2300	288AT	240	150/300	106.0	4.52	D2030P	8935	N2	598	TKP1836XP	FVB4280
30	1750/2300	288AT	500	150/300	50.0	2.0	D5030P	8935	N2	600	TKP1836XP	FVB4280
40	1750/2100	328AT	500	150/300	67.9	2.17	D5040P	11025	N2	844	TKP1836XP	FVB6320
50	1750/2100	328AT	500	150/300	83.7	2.0	D5050P	12564	N2	836	TKP1836XP	FVB6320
60	1750/2100	365-6AT	500	150/300	98.6	1.75	D5060P	14381	N2	823	TKP1836XP	FVB6400
75	1750/2100	366AT	500	150/300	123.0	1.48	D5075P	16895	N2	950	TKP1836XP	FVB6400
100	1750/2000	368AT	500	150/300	161.0	2.3	D50100P	21195	N2	1118	TKP1836XP	FVB6400
125	1750/2000	407AT	500	150/300	202.0	2.85	D50125P	25099	N2	1486	TKP400XP	FVB6400
150	1750/2000	409AT	500	150/300	240.0	3.7	D50150P	30198	N2	1768	TKP400XP	FVB6400
200	1750/1900	504AT	500	150/300	320.0	3.95	D50200P	38299	N2	2196	TKP500XP	FVB8500
250	1750/1900	506AT	500	150/300	403.0	5.1	D50250P	47094	N2	2580	TKP500XP	FVB8500

NOTE: (4) Field amps are for 150V connection on 240VDC motors; 300V connection on 500VDC motors. 360, 400 & 500 frames are 4 pole stabilized shunt until 3rd quarter 2006 when they became shunt. Others are 2 pole shunt. (5) DPFPG enclosure is self-ventilated. Speed can be reduced to approximately 60% of base speed with constant torque.

See performance data in CA608 catalog for specific speed-torque curves. Separate blower can be used to increase operating range below 60% of base speed.

(6) Does not include price of blower. See page 231 for pricing. (7) Does not include weight of blower. See page 231 for weights.

See notes on pages 8 and 9, and inside back flap. 180 frame motors are supplied without external conduit box, see online layout drawing for details.

SCR Drive Motor Shunt and Stabilized Shunt Wound DPBV Enclosure - Rigid Base



40 thru 500 Hp

NEMA 328AT thru 5010AT

Applications: Conveyors, plastic extruders, packaging machinery and other constant torque applications for DC SCR motors.

Features: Includes thermostat on interpole. Class F insulation system resistant to dirt, carton, dust and moisture. High dielectric stability. Low moment of inertia armature for fast response. Constant pressure brush springs and longer brushes for reduced maintenance. Includes grease fittings and reliefs for bearing maintenance. Power code C or M-G sets. Maximum RPM by field weakening. Provisions for tach mounting. (See tach kits on page 231). Blower-ventilated, includes filter.

Hp	Base/Max Speed	NEMA Frame	Voltage D.C.		Full Load Amperage		Catalog Number	List Price w/Blower & Filter	Mult. Sym.	Ap'x. Shpg. Wgt.	XPY Tach Kit
			Arm.	Field	Arm.	Field (4)					
40	1750/2100	328AT	240	150/300	138.0	2.64	D2040P-BV	12008	N2	890	TKP1836XP
40	1750/2100	328AT	500	150/300	67.9	2.17	D5040P-BV	12008	N2	902	TKP1836XP
50	1750/2100	328AT	240	150/300	175.0	2.64	D2050P-BV	13430	N2	902	TKP1836XP
50	1750/2100	328AT	500	150/300	83.7	2.0	D5050P-BV	13430	N2	897	TKP1836XP
60	1750/2100	366AT	240	150/300	205.0	4.48	D2060P-BV	15083	N2	1000	TKP1836XP
60	1750/2100	366AT	500	150/300	98.6	1.75	D5060P-BV	15083	N2	872	TKP1836XP
75	1750/2100	366AT	240	150/300	256.0	4.48	D2075P-BV	17368	N2	1008	TKP1836XP
75	1750/2100	366AT	500	150/300	123.0	1.48	D5075P-BV	17368	N2	1034	TKP1836XP
100	1750/2000	368AT	500	150/300	161.0	2.3	D50100P-BV	21151	N2	1176	TKP1836XP
125	1750/2000	368AT	500	150/300	198.0	2.4	D50125P-BV	24827	N2	1178	TKP1836XP
150	1750/2000	407-9AT	500	150/300	240.0	3.03	D50150P-BV	28478	N2	1544	TKP400XP
200	1750/1900	409AT	500	150/300	313.0	3.77	D50200P-BV	35525	N2	1838	TKP400XP
250	1750/1900	504-6AT	500	150/300	395.0	3.95	D50250P-BV	43552	N2	2220	TKP500XP
300	1750/1900	506AT	500	150/300	478.0	5.05	D50300P-BV	51704	N2	2224	TKP500XP
400	1750/1900	508AT	500	150/300	625.0	6.08	D50400P-BV	72985	N2	3318	TKP500XP
500	1750/1900	5010AT	500	150/300	781.0	4.32	D50500P-BV	95974	N2	3450	TKP500XP

NOTE: (4) Field amps are for 150V connection on 240VDC motors; 300V connection on 500VDC motors.

360 through 500 frames are 4 pole stabilized shunt, until 3rd quarter 2006 when they became shunt. Others are 2 pole shunt. Tach mounting kits on page 231.

SCR Drive Motor 240V Armature - 240V Field Shunt Wound DPFG - Self-Ventilated Rigid Base and C-Face



3 thru 15 Hp

NEMA L186ATC thru 258ATC

Applications: Conveyors, plastic extruders, packaging machinery and other constant torque applications for DC SCR motors.

Features: Includes thermostat on interpole. Class F insulation system resistant to dirt, carton, dust and moisture. High dielectric stability. Low moment of inertia armature for fast response. Constant pressure brush springs and longer brushes for reduced maintenance. Includes grease fittings and reliefs for bearing maintenance. Power code C or M-G sets. Maximum RPM by field weakening.

Hp	Base/Max Speed	NEMA Frame	Voltage D.C.		Full Load Amperage		Catalog Number	List Price Motor (6)	Mult. Sym.	Ap'x. Shpg. Wgt. (7)	XPY Tach Kit	Blower Catalog Number
			Arm.	Field	Arm.	Field (8)						
3	1750/2300	L186ATC	240	120/240	10.6	0.45	CD2003P-2	3091	N2	186	TKP1836XP	FVB3180
5	1750/2300	L186ATC	240	120/240	17.7	0.45	CD2005P-2	3747	N2	188	TKP1836XP	FVB3180
7 1/2	1750/2300	L1810ATC	240	120/240	28.1	0.52	CD2007P-2	4496	N2	219	TKP1836XP	FVB3180
10	1750/2300	219ATC	240	120/240	36.6	1.26	CD2010P-2	5338	N2	272	TKP1836XP	FVB3210
15	1750/2300	258ATC	240	120/240	55.0	1.26	CD2015P-2	6349	N2	408	TKP1836XP	FVB3250

NOTE: (6) Does not include price of blower and filter. See page 231 for pricing. (7) Does not include weight of blower and filter. See page 231 for weights. Tach mounting kits on page 231. (8) Field amps for 240VDC connection. See notes on pages 8 and 9, and inside back flap. 180 frame motors are supplied without external conduit box, see online layout drawing for details.

Shunt Wound SCR Drive Motor - TEFC, Rigid Base

5 thru 25 Hp

NEMA 1810AT THRU 328AT

Applications: Conveyors and packaging machinery.

Features: Includes thermostat on interpole, grease fittings and reliefs. Class F insulation system. Constant pressure brush springs and precision brush holders. Provisions for tach mounting (See tach mounting kits page 231).



Hp	Base/Max Speed	NEMA Frame	Voltage D.C.		Full Load Amperage		Catalog Number	List Price Motors Only	Mult. Sym.	Ap'x. Shpg. Wgt.	XPY Tach Kit	
			Arm.	Field	Arm.	Field (4)						
5	1750/2300	1810AT	240	150/300	17.6	0.68	D2505P	†◆	5151	N2	228	N/A
5	1750/2300	1810AT	500	150/300	8.3	0.34	D5505P	†◆	5493	N2	230	N/A
7 1/2	1750/2300	2110AT	240	150/300	26.6	2.10	D2507P	†◆	6231	N2	316	TKP2136XPT
7 1/2	1750/2300	2110AT	500	150/300	12.3	1.05	D5507P	†◆	6231	N2	286	TKP2136XPT
10	1750/2300	259AT	240	150/300	34.3	1.72	D2510P	†◆	7114	N2	450	TKP2136XPT
10	1750/2300	259AT	500	150/300	16.3	0.86	D5510P	†◆	7114	N2	456	TKP2136XPT
15	1750/2300	288AT	240	150/300	51.7	1.96	D2515P	†◆	9180	N2	599	TKP2136XPT
15	1750/2300	288AT	500	150/300	24.5	0.99	D5515P	†◆	9180	N2	599	TKP2136XPT
20	1750/2300	328AT	240	150/300	68.8	2.22	D2520P	†◆	10544	N2	884	TKP2136XPT
20	1750/2300	328AT	500	150/300	32.7	1.11	D5520P	†◆	10544	N2	920	TKP2136XPT
25	1750/2300	328AT	240	150/300	84.8	2.22	D2525P	†◆	12347	N2	872	TKP2136XPT
25	1750/2300	328AT	500	150/300	40.9	1.11	D5525P	†◆	12347	N2	894	TKP2136XPT

NOTE: (4) Field amps are for 150V connection on 240VDC motors; 300V connection on 500VDC motors. Tach mounting kits on page 231. 180 frame motors are supplied without external conduit box, see online layout drawing for details.

Lifting Magnet Generators

5 thru 40 kW

NEMA 1810AT thru 329AT

Applications: Crane mounted lifting magnets for recyclers and steel mills.

Features: Heavy duty steel frame. Cast iron endplates. Class H insulation with Class F temperature rise. Precision brush holders. Constant force brush springs. Double sealed ball bearings. Compound wound with drooping voltage characteristics. DPFG enclosure. Weather resistant paint. F-2 conduit box. CDMG generators have C-face and base mounting for hydraulic pump or PTO mounting.



kW	Base Speed	NEMA Frame	Voltage D.C.		Full Load Amperage		Catalog Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.	Field Control Rheostat		
			Arm.	Field	Arm.	Field					Ohms	Amp Max.	
5	2500	1810AT	230	230	21.7	0.61	DMG2305	†◆	4666	N2	232	300	0.85
7 1/2	2500	219AT	230	230	32.6	1.14	DMG2307	†◆	5367	N2	268	150	1.6
10	2500	219AT	230	230	43.5	0.72	DMG2310	†◆	5949	N2	260	200	1.4
10	2500	219ATC	230	230	43.5	0.72	CDMG2310	†◆	6321	N2	270	200	1.4
15	1750	259AT	230	230	65.0	1.3	DMG2315	†◆	9987	N2	426	200	1.82
15	1750	259ATC	230	230	65.0	1.3	CDMG2315	†◆	10351	N2	442	200	1.82
20	1750	288AT	230	230	87.0	1.8	DMG2320	†◆	10934	N2	608	125	2.52
20	1750	288ATC	230	230	87.0	1.8	CDMG2320	†◆	11555	N2	601	125	2.52
25	1750	328AT	230	230	109.0	2.13	DMG2325	†◆	11955	N2	838	100	3.0
25	1750	328ATC	230	230	109.0	2.13	CDMG2325	†◆	12573	N2	859	100	3.0
33	1750	328AT	230	230	144.0	2.13	DMG2333	†◆	15161	N2	857	100	3.0
33	1750	328ATC	230	230	144.0	2.13	CDMG2333	†◆	15773	N2	898	100	3.0
40	1750	329AT	230	230	174.0	3.7	DMG2340	†◆	16619	N2	938	50	5.2

NOTE: Field control rheostat and meters are not included in price or available from Baldor. See notes on pages 8 and 9, and inside back flap.

Tach Mounting Kits and Cooling Blowers for DC Integral Hp Motors



Applications: Allows addition of DC, AC and digital tachometers to large DC motors for closed-loop operation.

Features: Tach mounting kits supply adapter, coupling, accessory shaft and mounting hardware. Allows mounting to 8.5 inch accessory face on most large DC motors.

Tach Mounting Kits for DC Integral Hp Motor Catalog No. Ending With "P"

Tach Type	Motor Frame	Motor Enclosure	Catalog Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.
XPYII XPY, DPY BTG1000	180/360	DPFG, DPBV	TKP1836XP	647	A8	3
	210/360	TEFC	TKP2136XPT	647	A8	13
	400	DPFG, DPBV	TKP400XP	647	A8	3
	500	DPFG, DPBV	TKP500XP	647	A8	3
XC42 or XC46	210/360	DPFG, DPBV	TKP2136XC	904	A8	16
	500	DPFG, DPBV	TKP500XC	904	A8	7
ENC00NV ENCODER	180/360	DPFG, DPBV	TKP1836ENC	493	A8	17
	400	DPFG, DPBV	TKP400ENC	493	A8	16
	500	DPFG, DPBV	TKP500ENC	493	A8	17
NCS PANCAKE	210/360	DPFG, DPBV	TKP2136NC	39	A8	3
	400	DPFG, DPBV	TKP400NC	39	A8	2
	500	DPFG, DPBV	TKP500NC	39	A8	2
AC PANCAKE	210/360	DPFG, DPBV	TKP2136AC	39	A8	2
	400	DPFG, DPBV	TKP400AC	39	A8	2
	500	DPFG, DPBV	TKP500AC	39	A8	2

Blower and Mounting Kits for DC Integral Hp Motor Catalog No. Ending With "P"

Motor Frame	Catalog Number	Blower Power	Blower Size	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.
Blower and Mounting Kit						
180	FVB3180	1 PH	LM 3	920	A8	18
210	FVB3210	3 PH	LM 3	920	A8	22
250	FVB3250	3 PH	LM 3	920	A8	22
280	FVB4280	3 PH	LM 4	1123	A8	38
320	FVB6320	3 PH	LM 6	1311	A8	46
360-400	FVB6400	3 PH	LM 6	1435	A8	54
504-506	FVB8500	3 PH	LM 8	1698	A8	72
508-5012	FVB95010 (A)	3 PH	LM 9	2927	A8	122
Filter and Hardware for Above Blowers						
180, 210, 250	FLT3210-250 (B)	-	LM 3	439	A8	2
280	FLT4280	-	LM 4	439	A8	5
320,360,400	FLT6320-400	-	LM 6	439	A8	9
504-506	FLT8500	-	LM 8	559	A8	9

NOTE: (A) Includes Blower and Filter. (B) Also used with FVB3180.

HVAC Motors

Farm Duty Motors

Definite Purpose Motors

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Start & Dynamic Brakes

Tach Generators DC, AC and Digital Output

Applications: Speed feedback for controls (encoders also offer position feedback).

Features: Ball bearing construction, standard mounting flanges and/or feet.



Generator Type	Voltage	Catalog Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.
XPY Flange Mount (DC)					
30AFL-O	50VDC	BTG1000	370	DS	7
XPYII	100VDC	PTG100XPS	976	N5	10
XPY	100VDC	PTG100XP	939	N5	3
XPYII	50VDC	PTG50XPS	976	N5	8
XPY	50VDC	PTG50XP	743	N5	3
XPY Washdown Flange Mount (DC)					
XPYII	100VDC	PTGWD100XPS	1039	N5	9
XPYII	50VDC	PTGWD50XPS	1039	N5	10
Encoder Based Digital PY Flange Mount					
DPY	1024PPR	PTG1024LD (F)	1225	N5	1
Electrically Isolated Encoder					
E-ACC	1024PPR	ENC00NV (C) (F)	1333	E8	2
Metric Flange Mount (DC)					
XPY	60VDC	PTG60XP-M (D)	939	N5	8
XPYII	60VDC	PTG60XPS-M (D)	976	N5	5
Foot Mount (DC)					
XPY	100VDC	PFTG100XP	939	N5	6
XPY	50VDC	PFTG50XP	939	N5	6
Foot Mount with Face (DC)					
XC42	100VDC	PFTG42100X	1848	N5	33
XC42	50VDC	PFTG4250XC	1889	N5	32
XC46	100VDC	PFTG46100X	3249	N5	43
XC46	50VDC	PFTG4650XC	3249	N5	44
Pancake Mount (AC & DC)					
AC	45/90VAC	PTG4590AC (E) **	903	N5	9
NCS	50VDC	PTG50NC (E) **	1348	N5	8

NOTE: Flange mounted tachs require tach adapters shown on pages 231 & 233. XPY tachs have UL listing, file number E109527, CSA file number LR36841-5, XPYII tachs are pending approval. (C) Electrically isolated encoder & kit; Mounts to Charlotte DC motors using appropriate adapter shown on page 231 may eliminate the need for EXB00801 isolated encoder feedback board. (D) Requires adapter for metric flange tach. Will not mount on adapters for PY flanges.

(E) Does not mount to TEFC. See catalog MN605 for details. Will only mount to DPFG and DPBV motors on pages 228 & 229 using adapters shown on page 231.

(F) See page 169 for cables.

Field Conversion Tach Mounting Kits for Permanent Magnet and Shunt Wound Motor



For PY Flange mounted BTG1000, XPY, XPYII and DPY tachometers

Complete kits consisting of fan cover (except TK3300), shaft extension coupling and tach adapter bracket with miscellaneous hardware. If you prefer, the conversion can be made by Baldor Mod Express. Tach kits will not work with Explosion Proof Motors (CDPX or CDX). See PY flange mount tachs shown on page .

Baldor Motor Type	Kit Catalog Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.
3300P	TK3300	124	A8	1
3400D/P	TK3400	220	A8	4
3500D/P	TK3500	233	A8	9
3600D	TK3600	307	A8	10
3600P	TK3600PM	307	A8	7
7500D	TK7500	318	A8	17
9100D	TK9100	344	A8	23
For HPU hall effect pick-up				
3300P	TK3300-HPU	70	A8	1
3400P/D	TK3400-HPU	81	A8	1

Fractional Horsepower DC Speed Controls for PMDC Motors



1/15 thru 1/4

115 VAC Single Phase 50/60 Hz.

Applications: Conveyors, machine tools and other applications requiring adjustable speed.

Features: Simple DC motor control with built-in circuit breaker, center lock reversing switch (center off), on/off switch, 7 foot SJO oil resistant cord, and variable voltage transformer for manual speed adjustment. NEMA 1 enclosure is standard. CSA list file # LR54532.

Max Hp	Catalog Number	List Price	Mult Sym.	Ap'x Shpg. Wgt.	Amp Capacity	Input Voltage
1/15	BC110	466	E9	5	1.0	115VAC
1/8	BC115	498	E9	6	1.5	115VAC
1/4	BC130	634	E9	10	3.0	115VAC

NEMA 1 Enclosed DC Controls for PMDC and Shunt Wound Motors

1/100 thru 2 Hp 115/230 VAC Single Phase 50/60 Hz.

Applications: General purpose industrial use with permanent magnet or shunt wound DC motors.

Features: SCR controls have a free-wheeling diode and feature adjustable accel, decel, current limit, IR comp, min. and max speed pots to match applications. The anti-demag feature protects PM motors and helps protect the SCR power bridge against direct shorts. The controls have US and Canadian UL component recognition.



BC140 ENCLOSED (NEMA 1)

Hp Range	Catalog Number	List Price	Mult. Sym.	Ap'x Shpg. Wgt. Lbs.	Input Voltage
1/100-1/3	BC138	184	E9	1	115
1/50-3/4	BC139	184	E9	1	230
1/100-2 (1)	BC140	313	E9	3	115/230
1/100-2 (1)	BC140-FBR	433	E9	3	115/230

NOTE: (1) 1 Hp at 115V and 2 Hp at 230V requires BC143 heatsink kit. See page 238 for features.
FBR=Forward/Brake/Reverse.

DC Control Accessories

Catalog Number	Description	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.
BC24-LF	Ac Line Filter for use with CE Applications	62	E9	1
BC143	External Heatsink Kit (BC140, BC140-FBR, BC141, BC142, BC204)	60	E9	2
BC144	Forward-Brake-Reverse Switch Kit for BC140	104	E9	1
BC145	Signal Isolator Board	178	E9	1
BC146	Current Sensing Relay/Overload Protector	115	E9	1
BC147	Barrier Terminal Board (BC141 and BC142)	24	E9	1
BC148	Replacement Potentiometer Kit (5K ohm)	10	E9	1
BC149	Knob and Dial Kit	11	E9	1
BC151	Electronic Speed Potentiometer	70	E9	1
BC152	Barrier Terminal Board With Signal Isolator (BC141 and BC142)	163	E9	1
BC218	DIN-rail mounting kit for BC141, BC142 or BC204	29	E9	1

NOTE: BC24-LF is an AC line filter required for applications where CE is required if the control is not filtered elsewhere in the application. This filter may be used on most 115 or 230 VAC, single phase applications where CE is required.

Chassis Mount DC Controls

1/100 thru 1.5 Hp
1/50 thru 5 Hp

115 VAC Single Phase 50/60 Hz.
230 VAC Single Phase 50/60 Hz.



BC141 / BC142

Applications: General purpose industrial use with permanent magnet or shunt wound DC motors.

Features: Chassis-mount SCR controls have a free-wheeling diode and feature adjustable accel, decel, current limit, IR comp, min and max speed pots to match applications. The anti-demag feature protects PM motors and helps protect the SCR power bridge against direct shorts. The controls have US and Canadian UL component recognition.

Hp Range	Catalog Number	List Price	Mult. Sym.	Ap'x Shpg. Wgt. Lbs.	Input Voltage (1Ph,50/60 Hz)
1/100-1 1/2 (2)	BC141	171	E9	1	115
1/100-3 (2)	BC142	171	E9	2	230
1/100-1 1/2 (2)	BC142-6	189	E9	1	115/230
1/50-3 (2)					
5	BC155	560	E9	5	230

NOTE: Above controls include 5k speed potentiometer.

(2) 1-1.5 Hp at 115 Volts and 2-3 Hp at 230 Volts, requires BC143 Heatsink kit.

BC155 Includes integral heatsink. Please refer to page 239 for features.

Plug-in Horsepower Resistor and Fuse Kit



A Plug-in Horsepower Resistor® and armature fuse **must** be ordered and installed in BC138, BC139, BC140, BC140-FBR, BC141 and BC142.

These should be selected based on the motor's **rated current**. The price of the Hp resistor and fuse is included in the BC138, BC139, BC140, BC140-FBR, BC141 and BC142 list price.

See selection below for catalog number.

Spare resistor kits are available for \$8.00 list, E9 multiplier.

Motor Hp Armature Voltage		Plug-In Hp Resistor Resistance Value (Ohms)	Catalog Number	Ap'x DC Current (Amps)	DC Fuse Rating For Armature
90-130V	180V				
1/100	1/50	1.0	BR1000	0.20	0.5
1/50	1/25	0.51	BR0510	0.30	0.5
1/30	1/15	0.35	BR0350	0.33	0.5
1/20	1/10	0.25	BR0250	0.5	0.75
1/15	1/8	0.25	BR0251	0.8	1.0
1/12	1/6	0.18	BR0180	0.85	1.25
1/8	1/4	0.1	BR0100	1.3	2.0
1/6	1/3	0.1	BR0101	2.0	2.5
1/4	1/2	0.05	BR0050	2.5	4.0
1/3	3/4	0.035	BR0035	3.3	5.0
1/2	1	0.025	BR0025	5.0	8.0
3/4	1 1/2	0.015	BR0015SP	7.5	12.0
1 (3)	2 (3)	0.01	BR0010SP	10	15.0
1 1/2 (3)	3 (3)	0.006	BR0006	15	25.0 (4)

NOTE: (3) External Heatsink required. (4) Also used with AC Line Fuse. For AC line fuse rating see manual.

NEMA 4X DC Control and Accessories

1/4 thru 2 Hp 115/230 VAC Single Phase 50/60 Hz.
3 Hp 230 VAC Single Phase 50/60 Hz.

Applications: Constant torque, new or replacement.

Features: BC154, BCWD140 and BC160 are one-way controls with reversal by means of switching the armature leads (BCWD140 has a forward/brake/reverse switch mounted). BC254 is a line regenerative SCR control that can drive the motor to a timed stop. BC354 is a PWM control that provides low-ripple DC power to the motor allowing more Hp when used with a 140 or 280 VDC motor. All offer a choice of armature or tachometer feedback and a speed or torque mode. No Hp resistors are needed for these controls, current is jumper selectable. BC154, BC160, BC254 and BC354 are painted black and come with a start-stop switch. BCWD140 comes with white epoxy paint and also forward/brake/reverse and run-jog switches. See page 238 for features.



Hp Range	Catalog Number	Description Input Voltage / Max. Hp	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.	Input Voltage
NEMA 4X SCR (black)						
1/4-2	BC154	120V - 1 Hp, 230V - 2 Hp	396	E9	5	115/230
3	BC160	230V - 3 Hp	456	E9	3	230
NEMA 4X Washdown Duty SCR (white)						
1/4-2	BCWD140	120V - 1 Hp, 230V - 2 Hp	530	E9	6	115/230
NEMA 4X Washdown Duty Line Regen SCR (black)						
1/8-2	BC254	120V - 1 Hp, 230V - 2 Hp (5)	571	E9	5	115/230
NEMA 4X Washdown Duty PWM DC (black) (6)						
1/4-2	BC354	120V - 1 Hp, 230V - 2 Hp	614	E9	5	115/230

NOTE: (5) See page 237 for BC254 accessories. (6) Output current is 7.5 amps; Output voltage is 140VDC for 115VAC input - 280VDC for 230VAC input. Motors designed for these voltages will give the best performance.

DC SCR Washdown Duty Control Accessories

Catalog Number	Description	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.
BC153	Electronic Forward-Dynamic Brake-Reverse Kit for BC154, BC354	188	E9	1
BC156	Mechanical Forward-Dynamic Brake-Reverse Switch for BC154, BC354	121	E9	1
BC157	Run/Jog switch for BC154 & BC160, BC354	21	E9	1
BC158	Auto/Manual Installation Kit for BC145 signal isolator for BC154, BC160, BC354	50	E9	1
BC159	AC Line Switch Kit for BC154, BCWD140, BC254, BC354	26	E9	1

Line Regenerative DC Controls and Accessories



**1/4 thru 3 Hp
5 Hp**

**115/230 VAC
230 VAC**

**Single Phase 50/60 Hz.
Single Phase 50/60 Hz.**

Applications: Frequent start/stop/reverse applications or where controlled braking is required.

Features: Single phase line regenerative open chassis control to operate permanent magnet or wound field DC motors. These line regen controls are ideal for applications with overhauling loads. In torque mode, it can be used for tensioning applications. Several accessory boards are available to further customize the control. Includes 5k speed potentiometer. See page 239 for features. Jumper selectable current settings.

Hp Range	Catalog Number	Description Input Voltage / Max. Hp	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.	Input Voltage
Line Regen SCR						
1/4-1 1/2	BC202	120V 3/4 Hp, 230V 1 1/2 Hp	420	E9	1	115/230
1/8-2 (7)	BC204	120V 1 Hp, 230V 2 Hp	320	E9	3	115/230
1/4-2	BC200	120V 1Hp, 230V 2 Hp	598	E9	4	115/230
1/4-3	BC201	120V 1 1/2 Hp, 230V 3 Hp	710	E9	1	115/230
5	BC203	230V 5Hp	894	E9	1	230
NEMA 4X Washdown Duty Line Regen SCR						
1/8-2	BC254	120V - 1Hp, 230V - 2Hp	571	E9	5	115/230

NOTE: (7) 1 Hp at 115 volts and 2 Hp at 230 volts requires BC143 heatsink kit.

Regenerative Control Accessories

Catalog Number	Description	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.
Accessories for BC200, BC201, BC202 and BC203				
BC211	4 quadrant accel/decel board	136	E9	1
BC212	Bipolar signal isolator board	182	E9	1
BC214	BC202 expansion board kit. Required to add BC211 or BC212 to BC202	8	E9	1
Accessories for BC204				
BC143	External Heatsink Kit	60	E9	2
BC215	Bipolar signal isolator board	84	E9	3
BC216	Multispeed board for BC204	64	E9	1
BC218	DIN rail mounting kit	29	E9	1
Accessories for BC254				
BC245	Bipolar signal isolator for BC254	180	E9	1
BC253	Forward-Stop-Brake-Reverse Switch for BC254	21	E9	1
BC258	Auto-manual Switch for BC254	50	E9	1
BC259	AC Line Switch for BC254	21	E9	5

HVAC Motors

Farm Duty Motors

Definite Purpose Motors

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Start & Dynamic Brakes

NEMA Enclosed DC Control Specifications

	Catalog Number					
	BC138	BC139	BC140 or BC140-FBR	BC154	BC160	BCWD140
Features						
Enclosure	NEMA 1	NEMA 1	NEMA 1	NEMA 4X	NEMA 4X	NEMA 4X Washdown
Control Type	NEMA K	NEMA K	NEMA K	NEMA K	NEMA K	NEMA K
AC Line Input	115	230	115 230	115 230	230	115 230
DC Armature Voltage Nominal	90	180	90 180	90 180	180	90 180
Shunt Field Power Supply						
Voltage - DC	50/100	100/200	50/100 100/200	50/100 100/200	100/200	50/100 100/200
Rated Horsepower Range	1/100 - 1/3	1/50-3/4	1/100-1 1/50-2	1/50-1 1/25-2	3	1/50-1 1/25-2
External Heat Sink (BC143) Required	No	No	1 Hp 2Hp	Not Required	Not Required	Not Required
Speed Range (Motor May Be 20: 1 Constant Torque)	50:1	50:1	50:1	50:1	50:1	50:1
Adjustable Acceleration Time	Yes	Yes	Yes	Yes	Yes	Yes
Adjustable Deceleration Time	Yes	Yes	Yes	Yes	Yes	Yes
Minimum Speed Adjustable	Yes	Yes	Yes	Yes	Yes	Yes
Maximum Speed Adjustable	Yes	Yes	Yes	Yes	Yes	Yes
Current Limit Adjustable	Yes	Yes	Yes	Yes	Yes	Yes
Adjustable Current Limit and Trip Out Type	No	No	No	Timed or Non-Timed	Timed or Non-Timed	Timed or Non-Timed
Control Of Speed or Torque	Speed	Speed	Speed	Speed or Torque	Speed or Torque	Speed or Torque
IR Compensation Adjustable	Yes	Yes	Yes	Yes	Yes	Yes
Tachometer Feedback Input	No	No	No	Yes	Yes	Yes
Plug-In Horsepower Resistor ®	Required	Required	Required	N/A	N/A	N/A
UL & cUL Listing, CE	Yes	Yes	Yes	Yes	Yes	Yes
AC Line Fuse	Included	Included	Included	External	External	External
DC Armature Fuse	Included with Hp Resistor	Included with Hp Resistor	Included with Hp Resistor	Not Supplied with Control	External	Not Supplied with Control
Options						
AC Line Switch	Standard	Standard	Standard	Opt - BC159	No	Standard
Forward/Brake/Reverse Switch						
Mechanical	No	No	Opt-BC144	Opt-BC156	No	Standard
Electronic	No	No	No	Opt-BC153	No	Opt-BC153
Run/Jog Switch	No	No	No	Opt-BC157	Opt-BC157	Standard
Input Signal				Internal Mount	Internal Mount	External Mount
Following Mode Capability			Opt-BC145 Opt-BC145	Opt-BC145 Standard	Opt-BC145 Standard	Opt-BC145 Standard
Current (1-5, 4-20, 20-50mA)	No	No		(0-5,0-10 VDC)	(0-5,0-10 VDC)	(0-5,0-10 VDC)
Voltage (0-25,0-120, VDC)						
Electrical Connection To Control Barrier Terminal Block	Standard	Standard	Standard	Standard	Standard	Standard
Current Sensing Relay/Overload Protector	No	No	Opt - BC146	Standard	Standard	Standard
Electronic Speed Potentiometer	No	No	Opt-BC151	Opt-BC151	Opt-BC151	Opt-BC151
AC Line Filter for CE	Opt-BC24-LF	Opt-BC24-LF	Opt-BC24-LF	Opt-BC24-LF	Opt-BC24-LF	Opt-BC24-LF

Chassis Mount DC Control Specifications

Features	Catalog Number									
	BC141	BC142	BC142-6	BC155	BC202	BC204	BC200	BC201	BC203	
Enclosure	Chassis	Chassis	Chassis	Chassis	Chassis	Chassis	Chassis	Chassis	Chassis	
Control Type	NEMA K	NEMA K	NEMA K	NEMA K	Regenerative	Regenerative	Regenerative	Regenerative	Regenerative	
AC Line Input	115	230	115 230	230	115 230	115 230	115 230	115 230	230	
DC Armature Voltage Nominal	90	180	90 180	180	90 180	90 180	90 180	90 180	180	
Shunt Field Power Supply			50/200	50/100	50/100	50/100	50/100			
Voltage - DC	50/100	100/200	100/200	100/200	100/200	100/200	100/200	100/200	100/200	
Rated Horsepower Range	1/100-1.5	1/50-3	1/100-1 1/2 1/50-3	5	1/4-3/4 1/2-1 1/2	1/8-1 1/4-2	1/4-1 1/2-2	1/4-1-1/2 1/2-3	5	
External Heat Sink (BC143) Required	1 Hp-Up	2 Hp-Up	1/2 Hp-Up 1 Hp-Up	Not Required	Not Required	90V-1Hp 180V-2Hp	Not Required	Not Required	Not Required	
Speed Range (Motor may be 20:1Constant Torque)	50:1	50:1	50:1	50:1	50:1	50:1	50:1	50:1	50:1	
Adjustable Acceleration	Yes	Yes	Yes	Yes	Yes Fwd & Rev	Yes Fwd & Rev	Yes Fwd & Rev	Yes Fwd & Rev	Yes Fwd & Rev	
Adjustable Deceleration	Yes	Yes	Yes	Yes	Regen	Regen	Regen	Regen	Regen	
Min.. Speed Adjustable	Yes	Yes	Yes	Yes	No	No	No	No	No	
Max. Speed Adjustable	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Adjustable Current	Non	Non	Non	Non		Non				
Limit and Tripout Type	Timed	Timed	Timed	Timed	Timed	Timed	Timed	Timed	Timed	
Control of Speed or Torque	Speed	Speed	Speed	Speed Torque	Speed or Torque	Speed or Torque	Speed or Torque	Speed or Torque	Speed	
IR Compensation Adjustment	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Tachometer Feedback Input	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Plug-in Horsepower Resistor®	Required	Required	Required	N/A	N/A	N/A	N/A	N/A	N/A	
UL & cUL Listing, CE	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
AC Line Fuse	Included	Included	Included	External	External	External	Included	Included	External	
DC Armature Fuse	Included with Hp Resistor	Included with Hp Resistor	Included with Hp Resistor	Included with Hp Resistor	Included with Hp Resistor	External	Included with Hp Resistor	Included with Hp Resistor	External	
Options										
Input Signal										
Following Mode Capability						No				
Current (1-5,4-20,20-50 mA)	Opt-BC145	Opt-BC145	Opt-BC145	Opt-BC145	No	Std	No	No	No	
Voltage (0-25, 0-120, VDC)	Opt-BC145	Opt-BC145	Opt-BC145	Std 0-10 VDC	Std 0-±10 VDC	Opt BC215	Std 0-±10 VDC	Std 0-±10 VDC	Std 0-±10VDC	
0-25, 0-120, VDC)	No	No	No	No	Opt-BC212	with BC214	Opt-BC212	Opt-BC212	Opt-BC212	
Electrical Connection										
To Control										
Push-On Quick Connects	Standard	Standard	Standard	No	No	Standard	No	No	No	
Barrier Terminal Block	Opt-BC147	Opt-BC147	Opt-BC147	Standard	Standard	N/A	Standard	Standard	Standard	
Current Sensing Relay/ Overload Protector	Opt-BC146	Opt-BC146	Opt-BC146	Opt-BC146	Standard	N/A	Standard	Standard	Standard	
Regenerative					Opt BC211 with BC214		Opt BC211	Opt BC211	Opt BC211	
Accel / Decel Board	No	No	No	No		No				
Electronic Speed	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	
Potentiometer	BC151	BC151	BC151	BC151	BC151	BC151	BC151	BC151	BC151	
AC Line Filter for CE	Opt-BC24-LF	Opt-BC24-LF	Opt-BC24-LF	Opt-BC24-LF	Opt-BC24-LF	Opt-BC24-LF	Opt-BC24-LF	Opt-BC24-LF	Opt-BC24-LF	

HVAC Motors

Farm Duty
Motors

Definite Purpose
Motors

Brake Motors

200 & 575 Volt
Motors

IEC Frame
Motors

50 Hertz
Motors

Inverter/Vector
Motors & Controls

DC Motors
and Controls

Soft Start &
Dynamic Brakes

Series 29 One-way Digital DC SCR Control

**5-300 Hp****198-550 VAC****3 Phase 50/60 Hz.**

Applications: Constant torque applications such as plastic extruders and conveyors.

Features: Protected chassis enclosure, selectable feedback with option boards, auto-tune, compact size. Application programs for electronic speed pot.

Design Specifications

- 3 phase input, full wave, single quadrant SCR armature control
- Peak overload capacity of 150% for 30 seconds, 200% for 10 seconds, 250% for 3 seconds
- 5 assignable analog inputs
- 2 assignable analog outputs
- 5 assignable logic inputs
- 3 assignable logic outputs

Operator Keypad

- Digital Speed Control
- Forward / Reverse Command
- Motor RUN and JOG
- Local/Remote Key
- Stop Command
- Parameter Setting and Display
- 32 Character alpha-numeric display
- Remote mount to 10 feet from control
- Digital display for fault conditions
- LEDs for control status

Environmental and Operating Conditions

- Input voltage: Same control works on 230 or 460 VAC input
- Service factor: 1.0
- Duty: Continuous
- Size 1 and 2 controls have internal logic voltage supply-larger sizes require 115 VAC, 1 phase.
- Size 1 and 2 controls have built-in AC contactor and fuses

Motor Feedback

- Standard feedback type: Armature feedback (open loop)
- Optional feedback type with expansion board: DC or AC tachometer, Encoder or pulse generator

Setup

- Windows®-based setup control may be configured using Workbench-D software and cable kit CBLD030SW.

Output	Output Voltage	DC; 0-1.2 times VAC input
	Current Limit	Adjustable 150% of rated current for 30 seconds, 200% for 10 seconds, 250% for 3 seconds
Ratings	Voltage	220 - 500 VAC \pm 10%
	Frequency	50 or 60 Hz \pm 5%
Input	Phase	Three phase
	Control Logic Supply	Internally connected with voltage jumpers on sizes 1 and 2. Externally connected for 115 VAC on sizes 3 and larger
Control Spec.	Impedance	5% Maximum
	Control Method	NEMA type C full wave uni-directional DC control
	Speed Setting	\pm 10 VDC, 0-10 VDC, 4-20 mA. Digital via keypad. Optional by expansion board: RS485 serial, ProfibusDP or DeviceNet
	Accel / Decel	0-600 seconds
	Min. Speed	0 - 100% rated speed
	Max Speed	0 - 200% rated speed
Field Power Supply	Motor Matching	Automatic tuning to motor with manual override
	Type	Full wave fixed voltage or current regulated
	Voltage	DC; 0 to 90% of line input voltage
	Current	4 amps on size 1, 10 amps on size 2 and 3, 30 amps on size 4 and 5
Motor Feedback	Field Economy Level	Off or 50%
	Standard Feedback Type	Armature feedback
Protective Functions	Optional Feedback Type	Optional with expansion boards: DC or AC tachometer (200 volt max without dropping resistor), Incremental encoder or pulse generator (5 VDC or 12 VDC)
	Control Trip	Missing control power; Over-current; Armature over-voltage; Motor over-speed; Over temperature (motor and control); Phase Functions loss; Motor overload and over-current; Field loss; Encoder or tachometer loss
	Fusing	Standard input line, armature, field and control logic (Size 1 and 2 only); high energy MOVs
LCD Display	External Output	LED indicator for trip conditions, 3 assignable logic outputs - 30 VDC max, 2 assignable 3 analog outputs \pm 10 VDC (2 assignable)
	Running	Motor RPM, Output current, Voltage (selectable)
Ambient Conditions	Setting	Parameter values for setup and review
	Trip	Separate message for each trip, last trip retained in memory
	Operating Temperature	0 - 45°C for size 1 and 2, 0 - 40°C for size 3, 4 and 5. Output current values should be de-rated at 1% per degree Centigrade above rated temperature up to a maximum of 55°C
	Storage Temperature	-25° C to +55°C, shipping temperature -25°C to +70°C
Approvals	Altitude	Up to 1640 ft (500m) above sea level without derating
	Cooling	Forced air included on size 4 and 5 (separate 115/230 VAC 1ph power required)
	UL / CUL	UL listed to US and Canadian safety standard UL508C (up to 675 amps - larger ratings pending)
	CE	Marked to EN50178 (Safety, Low Voltage Directive); EN50081-2 (1992) (EMC emissions, industrial environment with external filter fitted); EN50082-2 (1995) (EMC immunity, industrial environment)

NOTE: Windows® is a registered trademark of the Microsoft corporation.

Series 29 One-way Digital DC SCR Control continued...

Chassis Mount, Internal Logic Voltage Supply and AC Line Contactor

Ap'x Hp @ 230V	Ap'x Hp @ 460V	Input Voltage	Armature Output Current		Catalog Number	List Price	Mult. Sym.	Chassis Size	Ap'x Shpg. Wgt
			Amps Cont	Amps Peak (G)					
10	20	230/460	35	53	BC29D7A35-CO7	5143	Z1	1	14
20	40	230/460	70	105	BC29D7A70-CO7	6800	Z1	2	23
30	60	230/460	110	165	BC29D7A110-CO7	7500	Z1	2	23
50	100	230/460	165	248	BC29D7A165-CO7	8572	Z1	2	23

Chassis Mount, Requires 115 Volt External Logic Voltage Supply and AC Line Contactor

Ap'x Hp @ 230V	Ap'x Hp @ 460V	Input Voltage	Armature Output Current		Catalog Number	List Price	Mult. Sym.	Chassis Size	Ap'x Shpg. Wgt
			Amps Cont	Amps Peak (G)					
75	150	230/460	243	365	BC29D7A243-CO1	8951	Z1	3	44
100	200	230/460	380	570	BC29D7A380-CO1	11198	Z1	4	71
150	300	230/460	500	750	BC29D7A500-CO1	15007	Z1	4	116

NOTE: (G) Peak amps of 150% for 30 seconds, 200% for 10 seconds and 250% for 3 seconds.

OPTIONS: See page 243 for optional Expansion boards and other accessories-DC/AC Tachometer feedback, Encoder/pulse generator feedback, RS-485, Profibus DP, DeviceNet. Remote mounting kit for keypad.

Dimensions in/(mm)

Size	Outside			Mounting		Ap'x Shpg. Wgt.
	Height	Width	Depth	Height	Width	
1	14.8/(375)	7.9/(200)	8.7/(220)	14.2/(360)	5.5/(140)	14
2	17.1/(434)	7.9/(200)	11.5/(292)	16.5/(418)	5.5/(140)	23
3 (180A)	19.1/(485)	9.8/(250)	7.1/(234)	15.7/(400)	7.9/(200)	44
3 (270A)	19.7/(485)	11.8/(300)	8.3/(211)	26.8/(680)	5.9/(150)	44
4 (380A)	27.6/(700)	10/(253)	14.2/(258)	26.8/(80)	5.9/(150)	71
4 (500A)	27.6/(700)	10/(253)	14.2/(358)	26.8/(80)	5.9/(150)	71
4 (725A)	27.6/(700)	10/(253)	14.2/(358)	26.8/(680)	5.9/(150)	97
4 (830A)	27.6/(700)	10/(253)	14.2/(358)	26.8/(680)	5.9/(150)	97
5	27.6/(700)	20/(506)	14.2/(358)	26.8/(680)	15.9/(403)	200

Series 30 Line Regenerative Digital DC SCR Control

**5-300 Hp****198-550 VAC****3 Phase 50/60 Hz.**

Applications: Constant torque applications such as cranes and hoists, carriage drives, veneer lathes and conveyors.

Features: Protected chassis enclosure, selectable feedback and bus communication with option boards, auto-tune, compact size. Application programs for Crane and Hoist and electronic speed pot.

Design Specifications

- Three phase input, full wave, four quadrant SCR armature control
- Peak overload capacity of 150% for 30 seconds, 200% for 10 seconds, 250% for 3 seconds
- 5 assignable analog inputs
- 2 assignable analog outputs
- 5 assignable logic inputs
- 3 assignable logic outputs

Operator Keypad

- Digital Speed Control
- Forward / Reverse Command
- Motor RUN and JOG
- Local/Remote Key
- Stop Command
- Parameter Setting and Display
- 32 Character alpha-numeric display
- Remote mount to 10 feet from control
- Digital display for fault conditions
- LEDs for control status

Environmental and Operating Conditions

- Input voltage: Same control works on 230 or 460 VAC input
- Service factor: 1.0
- Duty: Continuous
- Size 1 and 2 controls have internal logic voltage supply-larger sizes require 115 VAC, 1 phase.
- Size 1 and 2 controls have built-in AC contactor and fuses

Motor Feedback

- Standard feedback type: Armature feedback (open loop)
- Optional feedback type with expansion board: DC or AC tachometer, Encoder or pulse generator

Setup

- Windows®-based setup control may be configured using Workbench-D software and cable kit CBLD030SW.

Output Ratings	Output Voltage	DC; 0-1.2 times VAC input
	Current Limit	Adjustable 150% of rated current for 30 seconds, 200% for 10 seconds, 250% for 3 seconds.
Input Ratings	Voltage	220 - 500 VAC \pm 10%
	Frequency	50 or 60 Hz \pm 5%
	Phase	Three phase
	Control Logic Supply	Internally connected with voltage jumpers on sizes 1 and 2. Externally connected for 115 VAC on sizes 3 and larger
Control Spec.	Impedance	5% Maximum
	Control Method	NEMA type C full wave bi-directional regenerative DC control
	Speed Setting	\pm 10 VDC, 0-10 VDC, 4-20 mA digital via keypad. Optional by expansion board: RS485 serial, ProfibusDP or DeviceNet
	Accel / Decel	0-600 seconds
	Min. Speed	0 – 100% rated speed
	Max Speed	0 – 200% rated speed
	Motor Matching	Automatic tuning to motor with manual override
Field Power Supply	Type	Full wave fixed voltage or current regulated full wave
	Voltage	DC; 0 to 90% of line input voltage
	Current	4 amps on size 1, 10 amps on size 2 and 3, 30 amps on size 4 and 5
	Field Economy Level	Off or 50%
Motor Feedback	Standard Feedback Type	Armature feedback
	Optional Feedback Type	Optional with expansion boards: DC or AC tachometer (200volt max without dropping resistor), Incremental encoder or pulse generator (5 VDC or 12 VDC)
Protective Functions	Control Trip	Missing control power; Over-current; Armature over-voltage; Motor over-speed; Over temperature (motor and control); Phase Functions loss; Motor overload and over-current; Field loss; Encoder or tachometer loss
	Fusing	Standard input line, armature, field and control logic (Size 1 and 2 only); high energy MOVs
	External Output	LED indicator for trip conditions, 3 assignable logic outputs – 30 VDC max, 3 analog outputs \pm 10 VDC (2 assignable)
LCD Display	Running	Motor RPM, Output current, Voltage (selectable)
	Setting	Parameter values for setup and review
	Trip	Separate message for each trip, last trip retained in memory
Ambient Conditions	Operating Temperature	0 - 45°C for size 1 and 2, 0 - 40°C for size 3, 4 and 5. Output current values should be de-rated at 1% per degree Centigrade above rated temperature up to a maximum of 55° C
	Storage Temperature	-25° C to +55° C, shipping temperature -25° C to +70° C
	Altitude	Up to 1640 ft (500m) above sea level without derating
	Cooling	Forced air included on size 4 and 5 (separate 115/230 VAC 1ph power required)
Approvals	UL / CUL	UL listed to US and Canadian safety standard UL508C (up to 675 amps – larger ratings pending)
	CE	Marked to EN50178 (Safety, Low Voltage Directive); EN50081-2 (1992) (EMC emissions, industrial environment with external filter fitted); EN50082-2 (1995) (EMC immunity, industrial environment)

NOTE: Windows® is a registered trademark of the Microsoft corporation.

Series 30 Line Regenerative Digital DC SCR Control continued...

Chassis Mount, Internal Logic Voltage Supply and AC Line Contactor

Ap'x Hp @ 230V	Ap'x Hp @ 460V	Input Voltage	Armature Output Current		Catalog Number	List Price	Mult. Sym.	Chassis Size	Ap'x Shpg. Wgt
			Amps Cont	Amps Peak (G)					
10	20	230/460	35	53	BC30D7A35-CL7	6958	Z1	1	14
20	40	230/460	70	105	BC30D7A70-CL7	7428	Z1	2	23
30	60	230/460	110	165	BC30D7A110-CL7	8143	Z1	2	23
50	100	230/460	165	248	BC30D7A165-CL7	10571	Z1	2	23

Chassis Mount, Requires 115 Volt External Logic Voltage Supply and AC Line Contactor

Ap'x Hp @ 230V	Ap'x Hp @ 460V	Input Voltage	Armature Output Current		Catalog Number	List Price	Mult. Sym.	Chassis Size	Ap'x Shpg. Wgt
			Amps Cont	Amps Peak (G)					
75	150	230/460	243	365	BC30D7A243-CL1	11385	Z1	3	44
100	200	230/460	380	570	BC30D7A380-CL1	13967	Z1	4	71
150	300	230/460	500	750	BC30D7A500-CL1	19160	Z1	4	71

NOTE: (G) Peak amps of 150% for 30 seconds, 200% for 10 seconds and 250% for 3 seconds.

Dimensions in/(mm)

Size	Outside			Mounting		Ap'x Shpg. Wgt.
	Height	Width	Depth	Height	Width	
1	14.8/(375)	7.9/(200)	8.7/(220)	14.2/(360)	5.5/(140)	14
2	17.1/(434)	7.9/(200)	11.5/(292)	16.5/(418)	5.5/(140)	23
3 (180A)	19.1/(485)	9.8/(250)	7.1/(234)	15.7/(400)	7.9/(200)	44
3 (270A)	19.7/(485)	11.8/(300)	8.3/(211)	26.8/(680)	5.9/(150)	44
4 (380A)	27.6/(700)	10/(253)	14.2/(258)	26.8/(80)	5.9/(150)	71
4 (500A)	27.6/(700)	10/(253)	14.2/(358)	26.8/(80)	5.9/(150)	71
4 (725A)	27.6/(700)	10/(253)	14.2/(358)	26.8/(680)	5.9/(150)	97
4 (830A)	27.6/(700)	10/(253)	14.2/(358)	26.8/(680)	5.9/(150)	97
5	27.6/(700)	20/(506)	14.2/(358)	26.8/(680)	15.9/(403)	200

Accessories and Expansion Boards for Series 29 and 30 DC SCR Controls

Catalog Number	Description	List Price	Mult. Sym.	Ap'x Shpg. Wgt.
EXBD01A01	DC/AC tachometer expansion board	162	Z8	1
EXBD02A01	Encoder input (5V) expansion board	280	Z8	1
EXBD02A02	Encoder input (12V) expansion board	280	Z8	1
EXBD03A01	RS-485/Modbus serial communication expansion board	557	Z8	1
EXBD04A01	Profibus DP communication expansion board	765	Z8	1
EXBD05A01	DeviceNet communication expansion board	765	Z8	1
CBLD030KP	Keypad remote mounting 3 meter lead	34	Z8	1
CBLD030P3	Serial P3 port to DB9 cable - 3 meters	24	Z8	1
CBLD030SW	Serial P3 to DB9 cable with Workbench-D software	31	Z8	2
ACBD01A01	Spare keypad	257	Z8	1
ACBD02A01	Remote mounting bezel with 3 meter lead	94	Z8	2
ACBD03A01	Remote mounting bezel	12	Z8	2
ACBD04A01	Remote mounting panel seal	7	Z8	1

Series 19H Digital DC Controls

5 thru 75Hp
5 thru 300 Hp

180-264 VAC - 50/60 Hz
340-528 VAC - 50/60 Hz



Applications: Constant torque applications. New installations, replacements and original equipment manufacturers (OEM).

Features: Chassis mounting, built-in armature or encoder feedback, high peak currents.

Design Specifications

- Three phase, full wave SCR armature control
- High peak overload, 250-300% (depending on rating)
- Selectable operating modes: Keypad: Standard Run, 15 Speed, Bipolar speed/torque; Serial; Process follower mode.
- Analog meter outputs
- Buffered encoder output
- 9 isolated inputs
- Chassis mounting

Operator Keypad

- Digital Speed Control
- Forward/Reverse Command
- Motor RUN and JOG
- Local/Remote Key
- Stop Command (coast or external DB to stop)
- 32 Character alpha-numeric display
- Remote mount to 100 feet from control
- NEMA 4X enclosure on keypad

Environmental and Operating Conditions

- Input Frequency - 50 or 60 Hz \pm 5%
- Service factor - 1.0
- Duty - continuous
- Humidity - 90% max RH non-condensing
- Altitude - 3300 feet max without derate

Protective Features

- Control Input over and under voltage
- Encoder, tach or resolver loss
- Torque proving
- Selectable manual or automatic restart at power loss
- Digital display for fault conditions

Motor Feedback

- 1024 PPR standard (with quadrature)
- Power output: +5VDC, 300 mA max
- Max frequency: 1 MHz
- Optional feedback: tachometer or resolver through expansion board

Output Ratings	Voltage	DC - 0-1.3 times VAC input
	Frequency	50 or 60 Hz \pm 5%
	Voltage	200-240 VAC \pm 10%; 380-480 VAC \pm 10%
Input Ratings	Phase	Three phase
	Impedance	5% maximum
	Control Method	Full wave-uni-directional DC control, NEMA type C
Control Spec.	Speed Setting	0-5VDC, 0-10VDC, 4-20 mA, digital via keypad, optional RS232/422/485
	Accel/Decel	0-3600 seconds (decel-coast or controlled by external DB resistors) - no S-curve decel
	Minimum Speed	0-maximum speed
	Maximum Speed	0-5000 RPM
	Motor Matching	Automatic tuning to motor with manual override
	Type	Voltage limited, current regulated full wave single phase
	Voltage	0 to 10-85% of AC line Input in DC volts
Field Power Supply	Current	0.1-15 Amps maximum-standard, 0.1-40 amps maximum-optional
	Field Economy Level	OFF, 25-100%
	Field Forcing Level	100-125% (hoist modes only)
	Feedback Type	Armature or incremental encoder coupled to motor shaft
Motor Feedback	Pulses/Rev	60-65535 selectable, 1024 standard
	Voltage Output	2 channel in quadrature, 5VDC differential
	Marker Pulse	Required for position orientation
	Power Input	5VDC, 300 mA maximum
	Maximum Frequency	1 MHz
	Optional Feedback	Tachometer or resolver via expansion board
	Control Trip	Missing control power, over current armature over voltage, motor overspeed over temperature (motor & control), field loss, encoder tach or resolver loss, phase loss, motor overload and overcurrent
Protective Functions	Fusing	Standard input line, armature and field power supply fuses
	External Output	LED indicator for trip conditions, 4 assignable logic outputs - 30VDC Max, 2 assignable analog outputs 0-5VDC
	Running	Motor RPM, output current, voltage (selectable)
LCD Display	Setting	Parameter values for setup and review
	Trip	Separate message for each trip, last 31 trips retained in memory
	Temperature	0-40°C for UL listing
Ambient Conditions	Cooling	Forced air included when required

NOTE: Use of DC tach for feedback requires DC Tachometer Interface Board, catalog number EXB006A01. Other expansion boards are available, see pages 217-218.

Series 19H Digital DC Controls continued...

Hp	Input Volt	Armature Output Current		Catalog Number	List Price	Mult. Sym.	Chassis Size
		Amps Cont	Amps Peak				
230 Volt Input - 240 VDC Output							
5	230	20	40	BC19H205-CO	5005	E1	A
10	230	40	80	BC19H210-CO	5005	E1	A
15	230	60	120	BC19H215-CO	5378	E1	A
20	230	75	150	BC19H220-CO	5814	E1	B
25	230	100	200	BC19H225-CO	6124	E1	B
40	230	140	280	BC19H240-CO	7853	E1	C
50	230	180	360	BC19H250-CO	8444	E1	C
60	230	210	420	BC19H260-CO	9330	E1	C
75	230	270	540	BC19H275-CO	10117	E1	C
460 Volt Input - 500 VDC Output							
10	460	20	40	BC19H410-CO	5097	E1	A
20	460	40	80	BC19H420-CO	5097	E1	A
30	460	60	120	BC19H430-CO	5503	E1	A
40	460	75	150	BC19H440-CO	5950	E1	B
50	460	100	200	BC19H450-CO	6262	E1	B
75	460	140	280	BC19H475-CO	8257	E1	C
100	460	180	360	BC19H4100-CO	8818	E1	C
125	460	210	419	BC19H4125-CO	9701	E1	C
150	460	270	540	BC19H4150-CO	10502	E1	C
200	460	350	875	BC19H4200-CO	12876	E1	D
300	460	500	1000	BC19H4300-CO	17256	E1	D

OPTIONS: See pages 217-218 for optional Expansion Boards including Tachometer Feedback, RS-232, RS-422, RS-485, Resolver, Interface, etc. 40 Amp field power supply. FPS40BC1920

Dimensions in/(mm)

Size	Hp	Outside			Mounting		Ap'x Shpg. Wgt.
		Height	Width	Depth	Height	Width	
A	ALL	20.60/(523.2)	11.00/(279.4)	9.87/(250.7)	18.00/(457.2)	10.25/(260.4)	39
B 230V	ALL	25.70/(652.8)	11.00/(279.4)	9.84/(249.9)	23.87/(606.3)	10.25/(260.4)	67
B 460V	ALL	26.75/(679.5)	11.00/(279.4)	9.84/(249.9)	24.94/(633.5)	10.25/(260.4)	69
C 230V	40-60	26.50/(673.1)	11.75/(298.5)	10.63/(270.0)	23.90/(607.0)	10.25/(260.4)	80
C 460V	75-100	27.25/(692.2)	11.75/(298.5)	10.63/(270.0)	24.65/(626.1)	10.25/(260.4)	84
C 230V	75	33.00/(838.2)	11.75/(298.5)	10.63/(270.0)	23.90/(607.6)	10.25/(260.4)	94
C 460V	125-200	33.75/(857.3)	11.75/(298.5)	10.63/(270.0)	24.65/(626.1)	10.25/(260.4)	97
D	ALL	43.80/(1112.5)	16.87/(428.5)	12.43/(315.7)	39.25/(997.0)	13.75/(349.3)	272

HVAC Motors

Farm Duty Motors

Definite Purpose Motors

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Start & Dynamic Brakes

Series 20H Line Regenerative Digital DC Controls

**5 thru 75Hp
5 thru 300 Hp**

**180-264 VAC - 50/60 Hz
340-528 VAC - 50/60 Hz**



Applications: Constant torque applications. New installations, replacements and original equipment manufacturers (OEM).

Features: Chassis mounting, built-in armature or encoder feedback. High peak current.

Design Specifications

- Three phase, full wave, four quadrant SCR armature control.
- Peak overload capacity of 250-300% (depending on rating)
- Selectable operating modes: Keypad, Standard Run, 15 Speed, Bipolar speed/torque, Serial, Bipolar Hoist, 7 Speed Hoist, process follower
- Motor shaft orient to encoder marker or external switch closure (encoder feedback)
- 15 preset speeds (7 in Hoist Mode.)

Operator Keypad

- Digital Speed Control
- Forward/Reverse Command
- Motor RUN and JOG
- Local/Remote Key
- Stop Command
- 32 Character alpha-numeric display
- Remote mount to 100 feet from control
- NEMA 4X enclosure on keypad

Environmental and Operating Conditions

- Input frequency - 50 or 60Hz $\pm 5\%$
- Service factor - 1.0
- Duty - continuous
- Humidity - 90% max RH non-condensing
- Altitude - 3300 feet max without derate

Protective Features

- Torque proving
- Selectable manual or automatic restart at power loss
- Digital display for fault conditions

Motor Feedback

- Power output: +5VDC, 300 mA max
- Positioning: Buffered encoder pulse train output for position loop control
- Optional feedback: tachometer or resolver through expansion board

Output Ratings	Voltage	DC 0-1.13 times VAC input
	Frequency	50 or 60 Hz $\pm 5\%$
	Input Ratings	Voltage
Input Ratings	Voltage	200-240 VAC $\pm 10\%$; 380-480 VAC $\pm 10\%$
	Phase	Three phase
	Impedance	5% maximum
Control Spec.	Control Method	Full wave-bi-directional regenerative DC control, NEMA type C
	Speed Setting	$\pm 5\text{VDC}$, 0-5VDC, $\pm 10\text{VDC}$, 0-10VDC, 4-20 mA, digital via keypad, optional RS232/422/485
	Accel/Decel	0-3600 seconds or s-curve
	Minimum Speed	0-maximum speed
	Maximum Speed	0-5000 RPM
	Motor Matching	Automatic tuning to motor with manual override
	Field Power Supply	Type
Field Power Supply	Voltage	Voltage limited, current regulated full wave single phase
	Current	0 to 10-85% of AC line Input in DC volts
	Field Economy Level	0.1-15 Amps maximum-standard, 0.1-40 amps maximum-optional
	Field Forcing Level	OFF, 25-100%
	Field Forcing Level	100-125% (hoist modes only)
Motor Feedback	Feedback Type	Armature or incremental encoder coupled to motor shaft
	Pulses/Rev	60-65535 selectable, 1024 standard
	Voltage Output	2 channel in quadrature, 5VDC differential
	Marker Pulse	Required for position orientation
	Power Input	5VDC, 300 mA maximum
	Maximum Frequency	1 MHz
	Positioning	Optional buffered encoder pulse train output for position loop controller
	Optional Feedback	Tachometer or resolver via expansion board
	Control Trip	Missing control power, over current armature over voltage, motor overspeed over temperature (motor & control), field loss, encoder tach or resolver loss, phase loss, motor overload and overcurrent
Protective Functions	Fusing	Standard input line, armature and field power supply fuses
	External Output	LED indicator for trip conditions, 4 assignable logic outputs - 30VDC Max, 2 assignable analog outputs 0-5VDC
	LCD Display	Running
LCD Display	Setting	Motor RPM, output current, voltage (selectable)
	Trip	Parameter values for setup and review
	Separate message for each trip, last 31 trips retained in memory	
Ambient Conditions	Temperature	0-40°C for UL listing
	Cooling	Forced air included when required

NOTE: Use of DC tach for feedback requires DC Tachometer Interface Board, catalog number EXB006A01. Other expansion boards are available, see pages 217-218.

Series 20H Line Regenerative Digital DC Controls

Hp	Input Volt	Armature Output Current		Catalog Number	List Price	Mult. Sym.	Chassis Size
		Amps Cont	Amps Peak				
230 Volt Input - 240 VDC Output							
5	230	20	60	BC20H205-CL	5832	E1	A
10	230	40	120	BC20H210-CL	5832	E1	A
15	230	60	150	BC20H215-CL	5832	E1	A
20	230	75	190	BC20H220-CL	6112	E1	B
25	230	100	250	BC20H225-CL	6883	E1	B
40	230	140	420	BC20H240-CL	8928	E1	C
50	230	180	480	BC20H250-CL	9660	E1	C
60	230	210	540	BC20H260-CL	10215	E1	C
75	230	270	680	BC20H275-CL	12531	E1	C
460 Volt Input - 500 VDC Output							
5, 7.5, 10	460	20	60	BC20H410-CL	6137	E1	A
15, 20	460	40	120	BC20H420-CL	6137	E1	A
25, 30	460	60	150	BC20H430-CL	6335	E1	A
40	460	75	190	BC20H440-CL	6615	E1	B
50	460	100	250	BC20H450-CL	7336	E1	B
60, 75	460	140	420	BC20H475-CL	10150	E1	C
100	460	180	480	BC20H4100-CL	10953	E1	C
125	460	210	530	BC20H4125-CL	12214	E1	C
150	460	270	680	BC20H4150-CL	13359	E1	C
200	460	350	875	BC20H4200-CL	16061	E1	D
250	460	420	1050	BC20H4250-CL	20114	E1	D
300	460	510	1250	BC20H4300-CL	22034	E1	D

OPTIONS: See pages 217-218 for optional expansion Boards including Tachometer Feedback, RS-232, RS-422, RS-485, Resolver, Interface, etc.
40 Amp field power supply. FPS40BC1920

Dimensions in/(mm)

Size	Outside			Depth	Mounting		Ap'x Shpg. Wgt.
	Hp	Height	Width		Height	Width	
A	ALL	20.60/(523.2)	11.00/(279.4)	9.87/(250.7)	18.00/(457.2)	10.25/(260.4)	39
B 230V	ALL	25.70/(652.8)	11.00/(279.4)	9.84/(249.9)	23.87/(606.3)	10.25/(260.4)	67
B 460V	ALL	26.75/(679.5)	11.00/(279.4)	9.84/(249.9)	24.94/(633.5)	10.25/(260.4)	69
C 230V	40-60	26.50/(673.1)	11.75/(298.5)	10.63/(270.0)	23.90/(607.0)	10.25/(260.4)	80
C 460V	75-100	27.25/(692.2)	11.75/(298.5)	10.63/(270.0)	24.65/(626.1)	10.25/(260.4)	84
C 230V	75	33.00/(838.2)	11.75/(298.5)	10.63/(270.0)	23.90/(607.6)	10.25/(260.4)	94
C 460V	125-200	33.75/(857.3)	11.75/(298.5)	10.63/(270.0)	24.65/(626.1)	10.25/(260.4)	97
D	ALL	43.80/(1112.5)	16.87/(428.5)	12.43/(315.7)	39.25/(997.0)	13.75/(349.3)	272

Digital Speed Potentiometer with Display



Baldor's microprocessor-based digital speed potentiometer with LED display of set speed may be used to replace the conventional 3-wire analog speed pot for most AC and DC drives. Desired set speed may be entered into the large 1/2" LED display by pressing the "up" and "down" pushbuttons: one digit at a time or in a fast sweep. Display shows 0.1% increments of full motor speed (0-100%).

Specifications

Temperature	-10°C to +45°C
AC input voltage	85-264 VAC
Input frequency	50/60 Hz
Supply voltage applied across output	5 VDC to 15 VDC
Speed regulation	Same as driven unit
Input impedance to DSP4 will drive	500 ohm to 100 K ohm
Output	Isolated 3-wire pseudo-pot (normal or inverted output)
Display settings	0-100% of set speed range in 0.1% increments (resolution of 1000)
Non-volatile memory	Retains last set point upon loss of AC power (user selectable via dip switch settings)

Catalog Number	Description	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.	Input Voltage
DSP4-6	Digital Speed Potentiometer with Display	484	E9	2	120/240 VAC 50/60 hz

Field Programmable Digital Tachometer for Rate and Time with Display



Baldor offers an economical micro-processor-based digital tachometer capable of measuring motor speeds as low as 1 rpm that is field programmable for desired user specified units: RPM, FPM and GPM. Process time or other engineering units requires an input signal unit with 1 to 30,000 PPR such as the HPU and RK60 devices. For use with digital tachometers.

Specifications

Temperature	-10°C to +45°C
AC input voltage	85-264 VAC
Input frequency	50/60 Hz
Input pulse rate	1 to 30,000 input pulses per minute
Resolution	from 0.01 RPM
Accuracy	±0.04% display update every pulse or 0.5 seconds, whichever is longer
Isolated high/low alarm output	5 amp 240 VAC max.
Transducer signal input	0-5 to 0-24 VDC square wave (hall-effect, photoelectric, magnetic or any TTL NPN open collector device.)

Catalog Number	Description	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.	Input Voltage
DTM8000-6	Digital Tachometer for Rate & Time with Display	529	E9	1	120/240 VAC 50/60 hz

Hall Effect Pickup HPU10



Provides square wave pulse feedback. HPU mounts to a stub shaft opposite the pulley end of the motor and provides 10 pulses per revolution. May be installed through Baldor's Mod-Express

Features: HPU10 Series pick-up mounts directly on shaft being monitored using a single 10-32 screw (motor shaft requires modification and/or an adapter). Use with BC450/BC440 DC controls and DTM8000 digital tachometer.

Specifications

Temperature	-10°C to +45°C
Supply Voltage	+4.5 to +24 VDC
Maximum Speed	5000 RPM
Output Cable	6 foot rubber-jacketed, 3 wire 18 AWG conductors Red Wire: +VDC supply input Black Wire: Common White Wire: Signal
Output Signal	10 pulses per revolution NPN output signal with built-in pull-up resistor. Square wave output, signal voltage equals supply voltage. +5 VDC to +24 VDC supply voltage. Current sink: 5 mA maximum
Bearings	Stainless steel ball bearing
Enclosure	Compact housing molded of "Santoprene" plastic rubber

Hall Effect Pickup RK60



Provides square wave pulse feedback. The RK models are ring kits that mount to the 56C and 145TC face of the motor. May be installed through Baldor's Mod-Express

Features: RK60 Series hall effect pick-up consists of a motor mounted C-face ring, sensor, mounting bolts, and magnet disc. Use with BC450/BC440 DC controls and DTM8000 digital tachometer.

Specifications

Temperature	-40°C to +125°C
Supply Voltage	+4.5 to +24 VDC
Output Connection	3 wires Red Wire: +VDC supply input Black Wire: Common Blue Wire: Signal
Output Signal	60 pulses per revolution NPN output signal (may require external pull-up resistor). Square wave output, signal voltage equals supply voltage. +5 VDC to +24 VDC supply voltage. Current sink: 20 mA
Sensing Disk	Molded magnet sensing disc, impervious to dust, dirt, and oil
Mounting	C-face mounting ring has double C-face and is 0.750" thick. (Please note that usable shaft length will be reduced by 0.750". Check application for suitability).



TK3300-HPU Mounting Kit for TENV/33P DC Motors



TK3400-HPU Mounting Kit for TEFC/34P DC Motors

Catalog Number	Description	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.
HPU10	10 PPR Hall-Effect Pickup	175	E9	2
RK60-56	60 PPR Hall-Effect Pickup with 56C Ring Kit	578	E9	2
RK60-145	60 PPR Hall-Effect Pickup with 143-145TC Ring Kit	578	E9	2
TK3300-HPU	HPU10 Mounting Kit for TENV/33P DC Motors (does not include pickup)	70	A8	1
TK3400-HPU	HPU10 Mounting Kit for TEFC/34P DC Motors (does not include pickup)	81	A8	1

Digital DC Controls

1/20 thru 1 Hp
1/8 thru 2 Hp

115 VAC Single Phase 50/60 Hz
230 VAC Single Phase 50/60 Hz



Applications: General purpose industrial use with permanent magnet motors.

Features: Compact programmable DC speed control with digital closed loop feedback and LED display. Front-panel programming allows customizing the control function and can display the set speed in RPM, FPM, GPM, process time or any other engineering units. Programmable parameters include minimum and maximum speed, decimal points, operating mode (leader or follower), and Run/Jog functions. Industry standard cutout dimensions of 1/8 DIN and 1/4 DIN provide easy panel installation and NEMA 4X faceplate with supplied gasket. Use with hall effect pickup shown on page 249.

Specifications

Temperature	-10 Deg C to +45 Deg C
AC input voltage	Universal power supply rated at 85 to 265 VAC
Input frequency	50/60 Hz
Overload capacity	200% for 1 minute
Motor Feedback Input	0-24 Volt Square Wave Digital Tachometer
On-board power supply	5 VDC, 50mA (for external feedback sensor)
Pulse input capacity	50,000 PPM (500,000 with divider function on)

Hp Range	Catalog Number	Description	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.	Input Voltage
1/20-1/2 1/8-1	BC440-6	Digital Closed Loop DC Speed Control, 1/8 DIN Panel Mount	747	E9	2	115 VAC 50/60 Hz 230 VAC 50/60 Hz
1/8-1 1/4-2	BC450-6	Digital Closed Loop DC Speed Control, 1/4 DIN Panel Mount	1017	E9	2	115 VAC 50/60 Hz 230 VAC 50/60 Hz

Digital Soft Start Controls



**9 thru 900 Amps
9 thru 900 Amps**

**208-460V 50/60 Hz.
208-575V 50/60 Hz.**

Applications: Controlled ramp start and stop, minimize spillage in material handling, reduced water hammer in pumping, reduced wear on mechanical gears, eliminate high inrush current, and energy optimizing of under loaded motors. Typical applications include: pumps, conveyors, fans, reciprocating compressors and screw and rotary compressors

Features: Six SCR three phase voltage control with programmable starting ramp and current limit. Application software senses changing load conditions and adapts to increase performance. Power factor optimization eliminates motor over-fluxing and allows under-loaded or over-sized motors to operate more efficiently. NEMA 1 enclosure.

Design Specifications

- MOV protection
- Current feedback
- Microprocessor Control
- Power factor sensing
- Energy optimization
- One programmable input
- Two programmable form C outputs

Custom Product Capabilities Environmental and Operating Conditions

- NEMA 12, 4 or 3R enclosures with bypass contactor
- Flange mounted input disconnector
- Input circuit breaker or fuses
- Input contactor
- 3 wire start/stop pushbuttons
- 2 wire Hand-Off-Auto switch
- Indicating lights
- Large units up to 1800 amps
- Input voltage
- 3 phase 208-575V
- Control voltage 120VAC
- Input frequency 50/60 Hz
- Humidity 90% RH condensing
- 3000 feet altitude
- 40°C ambient temperature

Protective Features

- Current limit
- Shorted SCR detection
- SCR overload
- Shear pin-over-current detection
- Low current/under-load detection
- Input phase loss on start up
- Heat sink over-temperature

Output	Voltage	208-460V, 230-575V
	Current	9-900A
	Horsepower	Voltage and application rated, 5-700Hp
	Short Circuit	5000 Amperes symmetrical
	Altitude Derate	1% per 330 feet above 3300 feet
	Temperature Derate	2% per one °C above 40°C up to 60°C
Overload	Standard Duty	300% Motor full load amps at 35 seconds, 400% Motor full load amps at 6 seconds
	Medium Duty	300% Motor full load amps at 60 seconds, 400% Motor full load amps at 12 seconds
	Heavy Duty	300% Motor full load amps at 80 seconds, 400% Motor full load amps at 35 seconds
Input Ratings	Voltage	208-460V, 230-575V
	Frequency	50/60 Hz
	Phase	Three Phase
Control Spec	Control Method	Microprocessor controlled full wave, three phase, six thyristor firing
	Start Time	Programmable 1-255 seconds
	Stop Time	Programmable 0-255 seconds
	Voltage Pedestal	Programmable: Start 10-60%, Kick 60-90%, Stop 10-60%
	Current Limit	800% of rated current
	Power Factor	Continuously monitored to eliminate motor over-flux for power optimizing
	Control Power	110-130VAC, 50/60 Hz
SCR Spec	Peak Inverse Voltage	460VAC controllers 1400V 575VAC controllers 1600V
	Heat Loss	3.3 Watts per 1 Ampere running current
Ambient Conditions	Temperature	Enclosed 0-40°C
	Cooling	Convection / Forced Air included when required
	Altitude	3300 feet above sea level

HVAC Motors

Farm Duty Motors

Definite Purpose Motors

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Start & Dynamic Brakes

Digital Soft Start Controls - Typical Applications

Standard Duty

- Agitator
- Axial Blower
- Axial Fan
- Band Saw
- Centrifugal Pump
- Chiller
- Escalator
- Low Inertia Fan
- Propeller Fan
- Small Pump

Medium Duty

- Circular Saw
- Conveyor, Screw Feeder
- Drilling Press
- Elevator
- Flywheel Press
- Grinder
- Hammer Press

- High Inertia Fan
- Large Pump
- Mill Mixer
- Pelletizer / Pulper
- Positive Displacement Pump
- Reciprocating Compressor
- Vibrating Screen

Heavy Duty

- Centrifugal Blower
- Centrifugal Fan
- Chipper
- Disintegrator
- Loaded Centrifuge
- Loaded Mixer
- Loaded Screw Compressor
- Loaded Reciprocating Compressor
- Pulverizer
- Rock Crusher
- Separator

Standard Duty (1)			Medium Duty (2)			Heavy Duty (3)			Cont. Output Amps	Catalog Number	List Price	Mult. Sym.	Size
208V(4)	230V	460V	208V(4)	230V	460V	208V(4)	230V	460V					
Motor Application Horsepower @ 10 Starts per hour Maximum													
-	-	5	-	-	5	-	-	-	9	MD7-009-CB	1554	E7	1
3	5	10	-	-	7.5	-	-	5	16	MD7-016-CB	1615	E7	1
5	7.5	15	-	5	10	-	-	7.5	23	MD7-023-CB	1777	E7	1
7.5	10	20	5	7.5	15	-	-	10	30	MD7-030-CB	1930	E7	1
10	15	30	7.5	10	20	-	5	15	44	MD7-044-CB	2200	E7	1
15	20	40	10	15	30	5	7.5	20	59	MD7-059-CB	2465	E7	1
20	25	50	15	15	40	7.5	10	30	72	MD7-072-CB	2787	E7	1
25	30	60	15	20	50	10	15	40	85	MD7-085-CB	2947	E7	1
30	40	75	20	30	60	15	20	50	105	MD7-105-CB	3552	E7	1
40	50	100	30	40	75	20	30	60	146	MD7-146-CB	4197	E7	1
50	60	125	40	50	100	30	40	75	174	MD7-174-CB	5564	E7	2
60	75	150	50	60	125	40	50	100	202	MD7-202-CB	6174	E7	2
75	100	200	60	75	150	50	60	125	242	MD7-242-CB	6636	E7	2
Motor Application Horsepower @ 3 Starts per hour Maximum													
100	125	250	75	100	200	60	75	150	300	MD7-300-CB	7397	E7	2
125	150	300	100	125	250	75	100	200	370	MD7-370-CB	8010	E7	2
150	200	400	125	150	300	100	125	250	500	MD7-500-CB	10952	E7	3
200		500	150	200	400	125	150	300	600	MD7-600-CB	11892	E7	3
		600	200		500	150	200	400	750	MD7-750-CB	14197	E7	3
		700			600	200		500	900	MD7-900-CB	15369	E7	3

Standard Duty (1)		Medium Duty (2)		Heavy Duty (3)		Cont. Output Amps	Catalog Number	List Price	Mult. Sym.	Size
575V		575V		575V						
Motor Application Horsepower @ 10 Starts per hour Maximum										
7.5		5		-		9	MD8-009-CB	1787	E7	1
10		7.5		-		16	MD8-016-CB	1857	E7	1
20		10		7.5		23	MD8-023-CB	2043	E7	1
25		20		10		30	MD8-030-CB	2219	E7	1
40		30		20		44	MD8-044-CB	2529	E7	1
50		40		30		59	MD8-059-CB	2834	E7	1
60		50		40		72	MD8-072-CB	3204	E7	1
75		60		50		85	MD8-085-CB	3388	E7	1
100		75		60		105	MD8-105-CB	4084	E7	1
125		125		100		146	MD8-146-CB	4827	E7	1
150		-		-		174	MD8-174-CB	6397	E7	2
200		150		125		202	MD8-202-CB	7100	E7	2
250		200		150		242	MD8-242-CB	7631	E7	2
Motor Application Horsepower @ 3 Starts per hour Maximum										
250		-		-		300	MD8-300-CB	8387	E7	2
300		250		-		370	MD8-370-CB	9212	E7	2
400		300		300		500	MD8-500-CB	12593	E7	3
500		400		400		600	MD8-600-CB	13678	E7	3
600		500		500		750	MD8-750-CB	16329	E7	3
700		600		600		900	MD8-900-CB	17676	E7	3

NOTE: (1) 300% Motor FLA @ 35 Sec., 400% Motor FLA @ 6 Sec. (2) 300% Motor FLA @ 60 Sec., 400% Motor FLA @ 12 Sec.

(3) 300% Motor FLA @ 80 Sec., 400% Motor FLA @ 35 Sec. (4) 208V applications are UL listed only to 196V.

Digital Soft Start Controls - Dimensions

Dimensions in/(mm)

Size	Outside			Mounting		Ap'x Shpg. Wgt.
	Height	Width	Depth	Height	Width	
1	16.5/(420)	8.7/(222)	7.7/(195)	15.7/(400)	5.9/(150)	16.1/(7.3) or 18.3/(8.3) > 44 amp
2	20.2/(520)	13.4/(340)	10.4/(265)	19.7/(500)	9.8/(250)	34.5/(15.7) or 48.4/(22) > 200 amp
3	24/(610)	26.6/(675)	15.7/(400)	22.7/(575)	19.7/(500)	143/(65) or 158.4/(72) > 600 amp

Digital Soft Start Controls - Accessories



External MOV

- Protects from line-to-line voltage spikes
- Recommended for all low line impedance applications

Catalog Number	Volts	List Price	Mult. Sym.
MOV505L	460	99	E7
MOV620EL	575	94	E7



Remote Keypad with Cable

- 32 Character English alphanumeric display
- NEMA 4X indoor enclosure
- Backlit LCD

Catalog Number	Cable Length	List Price	Mult. Sym.
CBLDS015KP	5 ft.	379	E8

Expansion Board

- Two programmable relay outputs with FORM C contact (normally open and normally closed)
- Two programmable analog outputs (0-10V @ 10mA maximum)
- One programmable or 4-20mA analog input

Catalog Number	List Price	Mult. Sym.
EB0389A00SP	570	E8

Multipurpose Solid State Soft Starter

8 thru 420 Amps
8 thru 30 Amps

208/230/460V 60 Hz.
208/230/460/575V 60 Hz.



Applications: Controlled ramp start and stop, minimize spillage in material handling applications and water hammer in pumping equipment. Current limit provides a current ceiling to limit peak demand on start and constant current starting of high inertial loads such as chippers, centrifuges and compressors. Typical applications include: small and large pumps, conveyors, low and high inertia fans, reciprocating compressors, screw and rotary compressors.

Features: Six SCR power devices and several enclosure options. Tachometer feedback may be used to provide consistent starting independent of load conditions on textile, material handling and pumping equipment.

Design Specifications

- Current feedback
- Microprocessor Control
- Power factor sensing
- Energy optimization
- One programmable input
- Two programmable form C outputs
- Programmable current limit

Environmental and Operating Conditions

- Input voltage
3 phase 208-575V
- Control voltage 120VAC
- Input frequency 50/60 Hz
- Humidity 90% RH condensing
- 3000 feet altitude
- 40°C ambient temperature

Protective Features

- Current limit
- Shorted SCR detection
- SCR overload
- Shear pin-over-current detection
- Low current/under-load detection
- Input phase loss on start up
- Heat sink over-temperature

Model #	208/230/460 VAC 60 Hz.		MA7-008-CA	MA7-016-CA	MA7-030-CA	MB7-055-CP	MB7-080-CP	MB7-160-CP	MB7-250-CP	MB7-420-CP
Control only	208/230/460/575 VAC 60 Hz.		MA8-008-CA	MA8-016-CA	MA8-030-CA	—	—	—	—	—
Output Ratings	Hp Rating	230 VAC	2	5	10	20	30	60	100	150
		460 VAC	5	10	20	40	60	125	200	350
		575 VAC	5	10	20	-	-	-	-	-
	Current Rating		8 Amp	16 Amp	30 Amp	55 Amp	80 Amp	160 Amp	240 Amp	420 Amp
	Overload Rating		Continuous 115% of FLA; 400% for 30 seconds							
Derate		Above 1000m (3300 Ft.) decrease amp rating 1% for each additional 100m (330 ft.) Above 45° (115°F) decrease amp rating 1.% for each additional °C (0.84%/°F)								
Input Rating	Frequency		60 Hz. ±5%							
	Voltage		+10% to -15% (except for 575 VAC units max. VAC is 620)							
	Phase		Three Phase							
Control Spec.	Control Method		6 SCRs connected in inverse parallel for full-wave control							
	Start Time		Adjustable 3-50 seconds (current limit starting is not timed)							
	Stop Time		Adjustable 5-50 seconds to extend stopping time							
	Initial Torque		Adjustable starting 0-75%: Stopping 0-100%							
	Current Limit		Adjustable 75-400% of full load amps							
	Pulse Time		Adjustable 0-1.5 seconds							
	Current Monitor		Adjustable 50-400% of full load amps (causes a contact closure or control shut down when current level is reached after starting)							
	Power Factor		Adjustable for max. reduced motor voltage dependent on motor load							
	Control Power		Self-powered				External Transformer			
	Status Contacts		125 VAC at 0.5 Amp normally open							
SCR Spec.	Peak Inverse Voltage		460 VAC Starters 1200 VAC 575 VAC Starters 1600 VAC							
	Heat Loss		3.3 watts per running amp							
Protective Functions	Over Current		Over current shut down at 450% of motor full load amps							
	Shorted SCR Detection		Shunt trip contact							
	SCR Thermostat		Trips on over temperature of heat sink on 55 amp sizes and above							
	Voltage Transient		Metal oxide varistor (MOV)							
Ambient Conditions	Temperature		Enclosed 0-45°C (32 to 113°F) open/panel 0 to 50°C (32 to 122°F)							
	Cooling		Convection				Forced Air			

Multipurpose Solid State Soft Starter

Amp Size	Max Hp at VAC				Catalog Number	List Price	Mult. Sym.
	208	230	460	575			
Combination Starter ①							
NEMA 12 - 208/230/460 Volts (can also be used for NEMA 1)							
55	15	20	40	—	MB7-055-GC ②	5376	E7
80	25	30	60	—	MB7-080-GC②	5896	E7
160	50	60	125	—	MB7-160-GC ②	12564	E7
250	75	100	200	—	MB7-250-GC	14454	E7
420	150	150	350	—	MB7-420-GC ②	18533	E7
NEMA 1 - 208/230/460 Volts							
80	25	30	60	—	MB7-080-AB	7140	E7
160	50	60	125	—	MB7-160-AB	9415	E7
250	60	75	150	—	MB7-250-AB-1	11243	E7
250	75	100	200	—	MB7-250-AB	11753	E7
420	150	150	350	—	MB7-420-AB	13496	E7
Non-Combination Starter ①							
NEMA 1 - 208/230/460 Volts							
160	50	60	125	—	MB7-160-BB	7963	E7
250	75	100	200	—	MB7-250-BB	8860	E7
420	150	150	350	—	MB7-420-BB	10650	E7
Control Only							
Open/Panel - 208/230/460 Volts							
8	2	2	5	—	MA7-008-CA	1169	E7
16	3	5	10	—	MA7-016-CA	1230	E7
30	7.5	10	20	—	MA7-030-CA	1443	E7
55	15	20	40	—	MB7-055-CP	2735	E7
80	25	30	60	—	MB7-080-CP	3919	E7
160	50	60	125	—	MB7-160-CP	5100	E7
250	75	100	200	—	MB7-250-CP	6989	E7
420	150	150	350	—	MB7-420-CP	8778	E7
Open/Panel - 575 Volts							
8	2	2	5	5	MA8-008-CA	1220	E7
16	3	5	10	10	MA8-016-CA	1292	E7
30	7.5	10	20	25	MA8-030-CA	1493	E7
NEMA 1 - 208/230/460 Volts							
160	50	60	125	—	MB7-160-CB	6196	E7
250	75	100	200	—	MB7-250-CB	8121	E7
420	150	150	350	—	MB7-420-CB	9781	E7

NOTE: ① Combination Starter includes control, overload relay and circuit breaker. Non-combination Starter includes control and overload relay.

② Uses a shunt bypass contactor to short SCR after ramp up (not a full voltage bypass starter). Custom controls available.

Single Phase Starter

7 thru 110 Amps

115/230V 50/60 Hz.



Applications: Use with existing or new magnetic starter. This industrial solid state control will reduce initial starting torque and current of single phase motors allowing them to be started with minimum voltage drop. High starting torque problems such as belt slippage may be eliminated. Ideal for crop driers, augers, bucket elevators and fan or pump applications.

Features: Two adjustable starting torque settings. Adjustable starting ramp time to 30 seconds.

Amp Size	Max Hp at VAC		Catalog Number	List Price	Mult. Sym.
	115	230			
Open/Panel - 115/230 Volts - 50/60 Hz. (Available in NEMA 1 and NEMA 12/3R enclosures)					
7	1/4	3/4	S20CA	495	E7
12	1/2	2	S21CA	515	E7
24	2	3	S22CA	550	E7
40	3	7.5	S23CA	587	E7
110	10	—	S25CA	981	E7

NOTE: To size single phase starters use the motor FLA. There is a great variation in FLA between motor manufacturers in these sizes.

HVAC Motors

Farm Duty Motors

Definite Purpose Motors

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Start & Dynamic Brakes

Definite Purpose Soft Start Control

8 thru 135 Amps
8 thru 30 Amps
8 thru 30 Amps

208/230/460V 60 Hz.
220/380/415V 50 Hz.
575V 60 Hz.



Applications: Use with magnetic starter. Excellent for retrofit on cranes, conveyors or fans. Can be used on single speed, multispeed and reversing, soft starting windmilling fans and soft plug reversing.

Features: Two adjustable starting torque settings for reversing or two speed applications. Adjustable ramp time from 2-30 seconds.

Amp Size	Max Hp at VAC			Catalog Number	List Price	Mult. Sym.
Open/Panel - (Available in NEMA 1 and NEMA 12/3R enclosures)						
	208 Volt	230 Volt	460 Volt			
8	1.5	2	5	D70CA	829	E7
16	3	5	10	D71CA	889	E7
30	7.5	10	20	D72CA	1001	E7
55	15	20	40	D73CP	2054	E7
70	20	25	50	D74CP	2679	E7
135	40	50	100	D75CP	4772	E7
	220 Volt	380 Volt	415 Volt			
8	2	3.5	4.0	D90CA	829	E7
16	4	6.5	7.5	D91CA	889	E7
30	8	13.5	15	D92CA	1001	E7
	575 Volt (can be used at 208/230/460 Volts)					
8	5			D80CA	883	E7
16	10			D81CA	935	E7
30	25			D82CA	1042	E7

Three Phase Torque Control

7 thru 40 Amps
7 thru 24 Amps

208/230/460V 50/60 Hz.
208/230/460/575V 50/60 Hz.

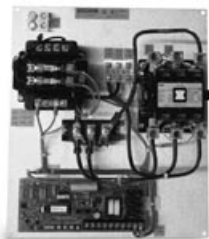


Applications: Use with magnetic starter. A low cost way to reduce starting torque on three phase motors. An alternative to ballast resistors on cranes and conveyors. Suitable for reduced torque on start. Designed to be used with a magnetic contactor. Not suitable for starting high torque loads.

Features: Two adjustable starting torque settings for reversing or two speed applications. Adjustable starting ramp time to 7 seconds.

Amp Size	Max Hp at VAC				Catalog Number	List Price	Mult. Sym.
	208	230	460	575			
Open/Panel - 208/230/460 Volts (Available in NEMA 1 and NEMA 12/3R enclosures)							
7	1.5	2	3	-	T70EA	495	E7
12	3	3	7.5	-	T71EA	515	E7
24	5	7.5	15	-	T72EA	550	E7
40	10	10	30	-	T73EA	587	E7
Open/Panel - 575 Volts (can be used at 208/230/460 Volts)							
7	1.5	2	3	5	T80EA	532	E7
12	3	3	7.5	10	T81EA	550	E7
24	-	7.5	15	20	T82EA	587	E7

Multipurpose Dynamic Brake



**5-500 HP
5-600 HP**

**208-460V 50/60 Hz
230-575V 50/60 Hz**

Applications: Stopping coasting loads such as chippers, saws, cutting tools and conveyors. It can also be used to stop windmilling fans before starting.

Features: The Multipurpose Brake is a microprocessor based solid state brake designed to eliminate the problems common to traditional DC injection brakes. To eliminate blown fuses and welded contacts, the microprocessor senses when AC is no longer present before turning "on" the braking. A faster zero speed sensing circuit turns off the braking as soon as the motor stops to reduce motor heating.

Design Specifications

- Microprocessor based control
- SCR/Diode power circuit
- Line contactor
- Motor voltage sensing circuit
- Zero speed sensing
- Four braking time ranges
- Three operating modes
- Two adjustable braking magnitude potentiometers

Environmental and Operating Conditions

- 40 degrees C
- 1000 feet elevation
- Open panel design
- 208, 230, 460, 575 volt input line voltage
- 50/60 Hz input frequency
- Control voltage 120 VAC

Protective Features

- Shorted SCR protection
- Motor terminal voltage sensing
- Time delay to allow motor flux to collapse
- Motor starter interlock contact

Model #	208/230/460 VAC 50-60 Hz.(1)		BQ7-016-CP	BQ7-030-CP	BQ7-055-CP	BQ7-080-CP	BQ7-135-CP	BQ7-160-CP	BQ7-250-CP	BQ7-420-CP	BQ7-600-CP
	230/460/575 VAC 50-60 Hz.(1)		BQ8-016-CP	BQ8-030-CP	BQ8-055-CP	BQ8-080-CP	BQ8-135-CP	BQ8-160-CP	BQ8-250-CP	BQ8-420-CP	BQ8-600-CP
Output Ratings	Hp Rating	230 VAC	5	10	20	30	50	60	100	150	250
		460 VAC	10	20	40	60	100	125	200	350	500
		575 VAC	10	30	50	75	125	150	250	400	600
	Current Rating		16	30	55	80	135	160	250	420	600
	Derate		Above 1000m (3300 Ft.) decrease amp rating 1% for each additional 100m (330 ft.)								
		Above 45° (115°F) decrease amp rating 1.5% for additional °C (0.84%/°F)									
Input Rating	Frequency		50-60 Hz. ±5%								
	Voltage		control board 115 VAC +10% to -15%								
	Phase		Three Phase								
Control Spec.	Control Type		Microprocessor Based								
	Control Method		Common Anode SCR and diode to achieve DC								
	Control Power		External control transformer (supplied with certain models) 115 VAC 50-60 Hz. to the control board								
	Power Consumption		1.5 VA by the control board								
	Operating Modes		Master mode (brake controls starting and stopping of motor)								
			Prestop mode (prestop a windmilling load)								
			Basic mode (for replacement of existing dynamic brake)								
	Brake Timer Ranges		1-17 seconds; 15-32 seconds; 30-47 seconds; 45-62 seconds								
	Zero Speed Sensor		Selectable (brake disengages when motor stops rotating)								
	M Contact Rating		10 amp at 125 VAC								
	Brake Magnitudes		Two adjustable brake magnitudes								
	Status LEDs		Power/Ready/Run/Braking								
	Peak Inverse Voltage		460 VAC controls - 1200V; 575 VAC controls - 1600V								
Heat Loss		1 watt per amp while braking									
Diagnostics	Error Indicators		Improper line voltages; Motor contactor failed to open; Brake contactor failed to open; Improper line frequency								
Dimensions	Height x Width x Depth		14.75" x 12.88" x 5"			14.75" x 12.88" x 6"		21" x 21" x 8"		33" x 33" x 9.75"	
Ambient Conditions	Temperature		Enclosed 0-45°C (32° to 113°F) open/panel 0 to 50°C (32° to 122°F)								

NOTE: (1) For 50 Hz. applications use the brakes without a transformer and supply a separate 115 VAC supply to the brake control board and contactor. The brake can also be ordered as a BQ9 - XXX - XX for 380/400/415 VAC applications. It will have the control transformer mounted on the panel.

Multipurpose Dynamic Brake

Amp Size	Max Hp at VAC			Catalog Number	List Price	Mult. Sym.
	208	230	460			
Open/Panel - 208/230/460 Volts						
16	3	5	10	BQ7-016-CP	1143	E7
30	10	10	25	BQ7-030-CP	1214	E7
55	15	20	40	BQ7-055-CP	1601	E7
80	25	30	60	BQ7-080-CP	2400	E7
135	40	50	100	BQ7-135-CP	3841	E7
160	50	60	125	BQ7-160-CP	4507	E7
250	75	100	200	BQ7-250-CP	5465	E7
420	125	150	350	BQ7-420-CP	7665	E7
600	200	200	500	BQ7-600-CP	15596	E7
NEMA 12 - 208/230/460 Volts						
16	3	5	10	BQ7-016-CC	1289	E7
30	10	10	25	BQ7-030-CC	1360	E7
55	15	20	40	BQ7-055-CC	1747	E7
80	25	30	60	BQ7-080-CC	2547	E7
135	40	50	100	BQ7-135-CC	4158	E7
160	50	60	125	BQ7-160-CC	4826	E7
250	75	100	200	BQ7-250-CC	5786	E7
420	125	150	350	BQ7-420-CC	9398	E7
600	200	200	500	BQ7-600-CC	17328	E7

Application Notes

- **Stopping Time** The Baldor Dynamic Brake can stop the motor faster than the motor will start (at full volts). However, this could damage the motor. It is best that the motor should not stop any faster than the motor starts. A dynamic brake should never be set to stop a load faster than the load starts. Stopping the motor too fast or too frequently can cause motor overheating and possible failure.
- **Motor Sizing** Each stop with a dynamic brake should be treated as a start for calculating duty cycle and for sizing the motor. The brake does not have a duty cycle limit.
- **Holding Brake** A solid state brake is not a substitute for a mechanical holding brake.
- **Motor Types** The Multipurpose Brake has been designed to operate on 3-phase induction motors.
- **Brake Sizing** Use the motor FLA and operating voltage to size the brake. All Baldor Multipurpose Brakes can be used on high inertia loads. Extended stopping times are available for use on high inertia loads.

WARNING: A DC injection brake is not a replacement for a mechanical or safety brake for emergency stopping

Single Phase Electronic Motor Brake

Applications: Efficient alternative to mechanical brakes, suitable for woodworking machinery, machine tools, bench grinders and buffers. Ideal for OEM equipment or for retrofitting into an existing application.

Features: Automatic braking for single-phase motors. User adjustable torque and brake time. Prevents restarts after power has been removed for 7 seconds. Accommodates frequent start/stop applications. Available in panel mount for system integration or with line cord, plug and receptacle in a NEMA 1 enclosure for easy installation.



Catalog Number	Horsepower	Amps	Voltage (60 Hz only)	List Price
Panel Mount				
BQ1-015-CP	1	15	110-125 VAC	550
BQ2-015-CP	2	15	208-230 VAC	550
NEMA 1				
BQ1-015-CC	1	15	110-125 VAC	710
BQ2-015-CC	2	15	208-230 VAC	710

SUFFIX: CP = 6"x5"x3" module without cord, receptacle, switch or enclosure.

CC = 8"x8"x4.5" NEMA 1 enclosure with 9ft. cord, receptacle and switch.

Red catalog number = New item

Single Phase - Right Angle - TEFC and TENV



GC24322 Shown

1/50 thru 1 Hp

Applications: General purpose fixed speed including conveyors, material handling equipment and packaging machinery.

Features: Induction hardened and ground steel worm, bronze gearing, internal expansion bladder and Mobil® SHC634 synthetic oil, ball bearing motor construction, optional conduit box (BKP2400) available for 24 type motors.

Input Motor Hp	Output RPM 50/60 Hz	Gear Ratio	Max. Safe Torque In. Lbs.	Catalog No.	List Price	Mult. Sym.	Motor Type & Gear Style	Ap'x. Shpg. Wgt.	Capacitor Rating Type
115 VAC 50/60 Hz - TENV									
1/50	59/71.4	24:1	7.5	GC24003	+	267	DS	2412C-FTA	7 [A]
1/20	35/42	40:1	30	GC24310	+	332	DS	2416C-BB	10 [A]
1/20	68/82.7	20:1	24	GC24306	+	332	DS	2416C-BB	10 [A]
1/20	133/160	10:1	14	GC24302	+	332	DS	2416C-BB	10 [A]
1/12	23/27.7	58:1	75	GC24322	+	356	DS	2420C-CB	10 [A]
1/12	41/49.6	33:1	62	GC24320	+	356	DS	2420C-CB	13 [A]
1/12	60/71	22.5	49	GC24318	+	356	DS	2420C-CB	13 [A]
1/12	123/148	11:1	25	GC24316	+	356	DS	2420C-CB	13 [A]
1/40	11.8/14	117:1	40	GC24208	+	356	DS	2412C-DB	10 [A]
1/13	7.7/9.3	180:1	175	GC24314	+	456	DS	2416C-EB	10 [A]
1/20	12.7/16	100:1	100	GC24312	+	456	DS	2416C-EB	10 [A]
1/8	30/37	45:1	125	GC25020	+	424	DS	2524S-JK	16 [B]
1/8	43/50	33:1	100	GC25015	+	424	DS	2524S-JK	16 [B]
1/8	62/74	22.5:1	79	GC25010	+	424	DS	2524S-JK	16 [B]
1/8	126/152	11:1	41	GC25005	+	424	DS	2524S-JK	16 [B]
115 VAC 50/60 Hz-TEFC & TENV									
1/15	23/28	60:1	45	GC24307	+	355	DS	2416C-K	11 [A]
1/15	35/42	40:1	49	GC24308	+	355	DS	2416C-K	11 [A]
1/15	68/82.5	20:1	32	GC24309	+	355	DS	2416C-K	11 [A]
1/15	135/165	10:1	18	GC24311	+	355	DS	2416C-K	11 [A]
1/8	34/41	40:1	90	GC25004	+	419	DS	2520C-K	16 [A]
1/8	46/55	30:1	78	GC25006	+	419	DS	2520C-K	16 [A]
1/8	69/82	20:1	57	GC25007	+	419	DS	2520C-K	16 [A]
1/8	130/160	10:1	33	GC25008	+	419	DS	2520C-K	16 [A]
1/8	36/43	40:1	90	GC25009	+	419	DS	2520S-K	15 [B]
1/8	48/57	30:1	78	GC25011	+	419	DS	2520S-K	15 [B]
1/8	71/86	20:1	57	GC25012	+	419	DS	2520S-K	15 [B]
1/8	140/170	10:1	33	GC25014	+	419	DS	2520S-K	15 [B]
1/6	33/41	40:1	130	GC3320	+	463	DS	2524C-K	15 [A]
1/6	67/82	20:1	75	GC3321	+	463	DS	2524C-K	15 [A]
1/6	135/165	10:1	43	GC3322	+	463	DS	2524C-K	15 [A]
1/6	265/320	5:1	23	GC3324	+	463	DS	2524C-K	15 [A]
1/6	35/42	40:1	130	GC3326	+	463	DS	2528L-K	21 [D]
1/6	71/85	20:1	75	GC3327	+	463	DS	2528L-K	21 [D]
1/6	135/165	10:1	43	GC3328	+	463	DS	2528L-K	21 [D]
1/6	280/335	5:1	23	GC3329	+	463	DS	2528L-K	21 [D]

NOTE: [A] Molded case polypropylene capacitors supplied loose for customer mounting.

[B] Split phase, capacitor not required, starting relay supplied loose for customer mounting. [B1] Split phase. [D] Capacitor start, induction run.

Gear styles FTA, DB & EB lubricated with Mobil SHC007. All right angle gearmotors have double output shafts except Style K which has a single output shaft left side facing gearhead.

Vertical motor below gearhead not recommended. Avoiding those positions where the high speed oil seal is immersed in oil, will provide greater security against high speed input seal wear.

Single Phase - Right Angle -TEFC and TENV continued...

Input Motor Hp	Output RPM 60 Hz	Gear Ratio	Max. Safe Torque In. Lbs.	Catalog No.	List Price	Mult. Sym.	Motor Type & Gear Style	Ap'x. Shpg. Wgt.	Capacitor Rating Type
115 VAC 50/60 Hz-TEFC & TENV									
1/6	4.9/5.9	280:1	400	GC25280	582	DS	2520C-G	21	[A]
1/6	7.4/8.9	190:1	385	GC25190	582	DS	2520C-G	21	[A]
1/6	11.6/14	120:1	300	GC25120	582	DS	2520C-G	21	[A]
1/6	17.5/21	80:1	290	GC25080	582	DS	2520C-G	21	[A]
1/6	23/28	60:1	220	GC25060	582	DS	2520C-G	21	[A]
1/4	74	22.5:1	125	GC3330	463	DS	3324S-JK	26	[B1]
1/4	151	11:1	70	GC3325	463	DS	3324S-JK	26	[B1]
1/2	29	60:1	600	GHL35060	743	DS	3421L-H	45	[D]
1/2	58	30:1	350	GHL35030	743	DS	3421L-H	45	[D]
1/2	88	20:1	250	GHL35020	743	DS	3421L-H	45	[D]
1/2	175	10:1	150	GHL35010	743	DS	3421L-H	45	[D]
3/4	58	30:1	550	GHL37530	799	DS	3428LC-H	50	[D1]
3/4	88	20:1	420	GHL37520	799	DS	3428LC-H	50	[D1]
3/4	175	10:1	230	GHL37510	799	DS	3428LC-H	50	[D1]
1	58	30:1	750	GHL31030	913	DS	3524L-H	55	[D]
1	88	20:1	550	GHL31020	913	DS	3524L-H	55	[D]
1	175	10:1	300	GHL31010	913	DS	3524L-H	55	[D]

NOTE: [A] Molded case polypropylene capacitors supplied loose for customer mounting.

[B] Split phase, capacitor not required, starting relay supplied loose for customer mounting. [B1] Split phase.

[D] Capacitor start, induction run. [D1] Capacitor start, capacitor run.

All right angle gearmotors have double output shafts except Style K which has a single output shaft left side facing gearhead, style "H" has hollow bore (shaft mount).

Vertical motor below gearhead not recommended. Avoiding those positions where the high speed oil seal is immersed in oil, will provide greater security against high speed input seal wear.

Red catalog number = New item.

**Inverter Gearmotor -
Right Angle and
Parallel Shaft -TEFC****3/8 Hp****Applications:** Ideally suited for conveyors, material handing, packaging equipment applications requiring adjustable speed and no maintenance. Available in a broad range of gear ratios meeting your demanding application needs.**Features:** ISR (Inverter Spike Resistant) magnet wire for increased protection against voltage spikes and corona damage, IP44 protection, Designed for use on Baldor Series 15J, 15P and Series 5 Inverters operating on 230 volts. Both Parallel shaft and Right Angle gearmotors are lubricated for life and require no routine maintenance. Right Angle gearmotors feature our internal oil expansion bladder which eliminates the need for a breather while allowing the gearmotor to be mounted in any position*.

IDGM2505 Shown

Input Motor Hp	Output RPM 60 Hz.	Gear Ratio	Speed Range	Maximum Safe Torque In-Lbs @ 60 Hz	Catalog Number	List Price	Mult. Sym.	Motor Type & Gear Style	Ap'x. Shpg. Wgt.	Volt Code
Right Angle										
3/8	22	75:1	3.4-22	315	IDGM2509	†*	590	E2	2528M-K	C
3/8	28	60:1	4.5-41	252	IDGM2508	†*	590	E2	2528M-K	C
3/8	41	40:1	6.6-62	228	IDGM2506	†*	590	E2	2528M-K	C
3/8	83	20:1	12-123	138	IDGM2503	†*	590	E2	2528M-K	C
3/8	165	10:1	23-246	105	IDGM2501	†*	590	E2	2528M-K	C
3/8	330	5:1	43-490	68	IDGM2500	†*	590	E2	2528M-K	C
Parallel Shaft										
3/8	55	30:1	8.0-82	350	IDGMP2505	†*	572	E2	2528M-PSLH	C
3/8	83	20:1	12-123	233	IDGMP2503	†*	539	E2	2528M-PSLH	C
3/8	165	10:1	23-246	116	IDGMP2501	†*	539	E2	2528M-PSLH	C
3/8	330	5:1	43.490	58	IDGMP2500	†*	539	E2	2528M-PSLH	C

NOTE: *Avoiding those positions where the high speed oil seal is immersed in oil, will provide greater security against high speed input seal wear. Vertical motor below gearbox is possible with modification, contact Baldor for details.

Three Phase - Right Angle - TEFC and TENV



GM2503 Shown

1/12 thru 1 Hp

Applications: General purpose fixed speed including conveyors, material handling equipment and packaging machinery.

Features: Induction hardened and ground steel worm, bronze gearing, internal expansion bladder and Mobil® SHC634 synthetic oil, ball bearing motor construction.

Input Motor Hp	Output RPM 50/60 Hz.	Gear Ratio	Max. Safe Torque In. Lbs.	Catalog Number	List Price	Mult. Sym.	Motor Type & Gear Style	Ap'x. Shpg. Wgt.	Voltage Code
1/12	95/115	15:1	30	GM25026	357	DS	2516M-BA	15	U
1/8	143/174	10:1	30	GM25024	369	DS	2516M-BA	15	U
1/6	230	15:1	27	GM3329	465	DS	2512M-BA	15	E
1/8	285/345	5:1	15	GM25022	369	DS	2516M-BA	15	U
1/12	1.5	1200:1	175	GM25021	482	DS	2516M-EB	15	E
1/12	11.3	150:1	125	GM25016	482	DS	2516M-EB	15	E
1/6	156	22.5:1	42	GM3331	487	DS	2512M-CA	24	E
1/6	38	45:1	125	GM3337	563	DS	2520M-JK	24	E
1/6	75	22.5:1	85	GM3334	563	DS	2520M-JK	24	E
1/4	104	33:1	75	GM3338	563	DS	2520M-JK	24	E
1/4	35/42.8	40:1	170	GM3340	560	DS	2524M-K	24	U
1/4	70/85	20:1	112	GM3345	560	DS	2524M-K	24	U
1/4	140/170	10:1	72	GM3347	560	DS	2524M-K	24	U
1/4	279/340	5:1	36	GM3349	560	DS	2524M-K	24	U
1/4	4.9/5.9	280:1	400	GM24280	634	DS	2520M-G	21	U
1/4	7.4/8.9	190:1	385	GM25190	634	DS	2520M-G	21	U
1/4	11.6/14	120:1	300	GM25020	634	DS	2520M-G	21	U
1/4	17.5/21	80:1	310	GM25080	634	DS	2520M-G	21	U
1/4	23/28	60:1	250	GM25060	634	DS	2520M-G	21	U
1/3	34	50:1	256	GM2507	573	DS	2528M-JH	28	E
1/3	42	40:1	230	GM2506	573	DS	2528M-JH	28	E
1/3	84	20:1	155	GM2503	573	DS	2528M-JH	28	E
1/3	168	10:1	90	GM2501	573	DS	2528M-JH	28	E
1/2	35	50:1	295	GM3307	577	DS	3320M-JH	35	E
1/2	44	40:1	280	GM3306	577	DS	3320M-JH	35	E
1/2	88	20:1	200	GM3303	577	DS	3320M-JH	35	E
1/2	175	10:1	135	GM3301	577	DS	3320M-JH	35	E
1/2	29	60:1	600	GHM35060	716	DS	3416M-H	40	E1
1/2	58	30:1	350	GHM35030	716	DS	3416M-H	40	E1
1/2	87	20:1	200	GHM35020	716	DS	3416M-H	40	E1
1/2	174	10:1	135	GHM35010	716	DS	3416M-H	40	E1
3/4	58	30:1	550	GHM37530	737	DS	3420M-H	42	E
3/4	88	20:1	420	GHM37520	737	DS	3420M-H	42	E
3/4	175	10:1	230	GHM37510	737	DS	3420M-H	42	E
1	58	30:1	750	GHM31030	757	DS	3426M-H	45	E
1	88	20:1	550	GHM31020	757	DS	3426M-H	45	E
1	175	10:1	300	GHM31010	757	DS	3426M-H	45	E

NOTE: Voltage @ 60 Hz: E= 208-230/460, E1 = 208-230/460 volts, U=190/380//208-230/460 volts.

All right angle gearmotors have double output shafts except Style K and JH which has a single output shaft left side facing gearhead. Style "H" has hollow bore.

Vertical motor below gearhead not recommended. Avoiding those positions where the high speed oil seal is immersed in oil, will provide greater security against high speed input seal wear.

Red catalog number = New item

**Single Phase - Parallel
Shaft - TEFC and TENV**

GCP24232 Shown

1/40 thru 1/2 Hp

Applications: Conveyors, packaging machines, machine tools and laboratory equipment requiring constant speed.

Features: Steel gearing, synthetic lubrication, needle bearings on output shaft, ball bearings on intermediate stages, ball bearing motor construction, optional bases available for foot mounting. Conduit box (BKP2400) available for 24 type motors.

Input Motor Hp	Output RPM 50/60 Hz.	Gear Ratio	Max. Safe Torque In. Lbs.	Catalog Number	List Price	Mult. Sym.	Motor Type & Gear Style	Ap'x. Shpg. Wgt.	Capacitor Rating Type
Single Phase - 115 VAC 50/60 Hz (TENV)									
1/40	7.6/9.4	180:1	120	GCP24114	†	368	DS	2412C-PSSH	[A]
1/25	15.3/18	90:1	120	GCP24122	†	371	DS	2416C-PSSH	[A]
1/25	23/27.3	60:1	80.7	GCP24124	†	371	DS	2416C-PSSH	[A]
1/12	45/54.8	30:1	83.7	GCP24134	†	356	DS	2424C-PSSH	[A]
1/12	68/82.5	20:1	55.8	GCP24136	†	356	DS	2424C-PSSH	[A]
1/12	90/109	15:1	42.8	GCP24138	†	356	DS	2424C-PSSH	[A]
1/12	136/163	10:1	28.5	GCP24140	†	356	DS	2424C-PSSH	[A]
1/12	272/326	5:1	14.3	GCP24142	†	356	DS	2424C-PSSH	[A]
1/15	15/18	90:1	237	GCP24232	†	428	DS	2424C-PSM	[A]
1/12	23/27	60:1	167	GCP24234	†	404	DS	2424C-PSM	[A]
1/9	43/36	40:1	149	GCP25052	†	408	DS	2524S-PSM	[B]
1/9	47/57	30:1	112	GCP25054	†	408	DS	2524S-PSM	[B]
1/9	84/70	20:1	74	GCP25056	†	388	DS	2524S-PSM	[B]
1/9	92/111	15:1	57	GCP25058	†	388	DS	2524S-PSM	[B]
1/9	138/166	10:1	38	GCP25060	†	388	DS	2524S-PSM	[B]
1/9	275/330	5:1	19	GCP25062	†	388	DS	2524S-PSM	[B]
1/25	4.5/5.5	300:1	325	GCP24002	†	549	DS	2416C-PSL	[A]
1/25	7.6/9.1	180:1	235	GCP24004	†	549	DS	2416C-PSL	[A]
1/12	11/13.7	120:1	330	GCP24020	†	592	DS	2424C-PSL	[A]
1/12	15/18.2	90:1	250	GCP24022	†	531	DS	2424C-PSL	[A]
1/8	23/28	60:1	270	GCP25002	†	576	DS	2524S-PSL	[B]
1/8	45/55	30:1	135	GCP25004	†	576	DS	2524S-PSL	[B]
1/8	71/85	20:1	92	GCP25006	†	555	DS	2524S-PSL	[B]
1/8	141/170	10:1	46	GCP25008	†	555	DS	2524S-PSL	[B]
1/8	283/340	5:1	23	GCP25010	†	555	DS	2524S-PSL	[B]
Single Phase - 115 VAC 60 Hz (TENV)									
1/6	58	30:1	164	GCP3305		582	DS	3316C-PSL	[A]
1/6	86	20:1	112	GCP3310		561	DS	3316C-PSL	[A]
1/6	173	10:1	56	GCP3315		561	DS	3316C-PSL	[A]
Capacitor Start - Single Phase - 115/208-230 VAC 60 Hz (TEFC)									
1/4	29	60:1	483	GLP3310		629	DS	3320L-PSLH	[C]
1/3	35	50:1	438	GLP3328	†	655	DS	3324L-PSLH	[C]
1/3	57.5	30:1	320	GLP3330		655	DS	3324L-PSLH	[C]
1/3	86.3	20:1	218	GLP3332		616	DS	3324L-PSLH	[C]
1/3	172.5	10:1	109	GLP3336		616	DS	3324L-PSLH	[C]
1/3	345	5:1	55	GLP3338		616	DS	3324L-PSLH	[C]
1/2	58	30:1	484	GLP3342	†	691	DS	3328L-PSLH	[C]
1/2	88	20:1	326	GLP3344	†	651	DS	3328L-PSLH	[C]
1/2	117	15:1	245	GLP3346	†	651	DS	3328L-PSLH	[C]
1/2	175	10:1	164	GLP3348	†	651	DS	3328L-PSLH	[C]

NOTE: [A] Molded case polypropylene capacitors supplied loose for customer mounting. Refer to optional mounting kits on page 294.

[B] Split phase, capacitor not required, starting relay supplied loose for customer mounting.

[C] Items are capacitor start.

[D] Capacitor start, induction run.

[D1] Capacitor start, capacitor run.

Vertical motor below gearhead not recommended. Avoiding those positions where the high speed oil seal is immersed in oil, will provide greater security against high speed input seal wear.

Three Phase - Parallel Shaft - TEFC

1/3 thru 1/2 Hp



GMP3330 Shown

Applications: Conveyors, packaging machines, machine tools and laboratory equipment requiring constant speed.

Features: Heavy duty helical steel gearing, synthetic lubrication, needle bearings and thrust bearings on output shaft, ball bearings on intermediate stages, ball bearing motor construction, optional base available for foot mounting.

Input Motor Hp	Output RPM	Gear Ratio	Max. Safe Torque In. Lbs.	Catalog Number	List Price	Mult. Sym.	Motor Type & Gear Style	Ap'x. Shpg. Wgt.
Three Phase - 208-230/460 VAC 60 Hz (TEFC)								
1/3	57	30:1	320	GMP3330	648	DS	3320M-PSLH	27
1/3	86	20:1	218	GMP3332	609	DS	3320M-PSLH	27
1/3	173	10:1	109	GMP3336	609	DS	3320M-PSLH	27
1/3	345	5:1	55	GMP3338	609	DS	3320M-PSLH	27
1/2	43	40:1	627	GMP3340	685	DS	3320M-PSLH	27
1/2	58	30:1	484	GMP3342	685	DS	3320M-PSLH	27
1/2	86	20:1	326	GMP3344	646	DS	3320M-PSLH	27
1/2	173	10:1	164	GMP3348	646	DS	3320M-PSLH	27

Direct Current Permanent Magnet - Right Angle, TENV

1/50 thru 1/2 Hp



GP233006 Shown

Applications: Conveyors, medical and laboratory equipment, printing presses, commercial ovens, machine tools and other applications requiring adjustable speed.

Features: Induction hardened and ground steel worm, bronze gearing, internal expansion bladder and Mobil® SHC634 synthetic oil, ball bearing motor construction.

Input Motor Hp	Output Base Speed	Gear Ratio	Max. Safe Torque In. Lbs.	Catalog Number	List Price	Mult. Sym.	Motor Type & Gear Style	Ap'x. Shpg. Wgt.	Voltage D.C. Armature	Full Load Amperage Armature	
Foot Mount - 90 Volts											
1/97	8.2	225:1	15	GP231005	†	282	DS	2308P-GNA	5	90	0.19
1/66	1.7	1100:1	75	GP232004	†	400	DS	2308P-DA	7	90	0.18
1/49	3.7	660:1	75	GP232005	†	400	DS	2308P-DA	7	90	0.34
1/27	8.7	310:1	66	GP232006	†	400	DS	2314P-DA	7	90	0.44
1/15	19.6	130:1	64	GP232007	†	418	DS	2314P-DA	7	90	0.68
1/8	6	600:1	150	GP7304		547	DS	2412P-EB	13	90	1.00
1/4	20	180:1	175	GP7409		560	DS	2424P-EB	15	90	2.00
1/50	87	20:1	7.3	GP231003	†	268	DS	2308P-FTA	5	90	0.34
1/25	140	12:1	11	GP231002	†	289	DS	2314P-FTA	5	90	0.54
1/17	312	8:1	6	GP231001	†	289	DS	2314P-FTA	5	90	0.62
1/25	344	5:1	5.1	GP232001	†	289	DS	2314P-FTA	5	90	0.49
1/22	40	40:1	30	GP232002	†	357	DS	2314P-BA	7	90	0.60
1/16	60	30:1	33	GP233003	†	371	DS	2318P-BA	7	90	0.72
1/16	90	20:1	27	GP233002	†	371	DS	2318P-BA	7	90	0.75
1/16	120	15:1	22	GP233007	†	371	DS	2318P-BA	7	90	0.78
1/16	173	10:1	17	GP233001	†	371	DS	2318P-BA	8	90	0.85
1/25	22	72:1	45	GP231004	†	357	DS	2314P-CB	8	90	0.53
1/25	30	58:1	38	GP232003	†	357	DS	2314P-CB	8	90	0.53
1/16	38	45:1	57	GP233006	†	371	DS	2318P-CB	8	90	0.80
1/16	52	33:1	48	GP233005	†	371	DS	2318P-CB	8	90	0.75
1/16	76	22.5:1	33	GP233004		371	DS	2318P-CB	8	90	0.85

NOTE: All right angle gearmotors have double output shafts except style "K" and "JH", which have a single output shaft left side facing gearhead. Vertical motor below gearhead not recommended. Avoiding those positions where the high speed oil seal is immersed in oil, will provide greater security against high speed input seal wear.

Direct Current Permanent Magnet - Right Angle, TENV continued...

Input Motor Hp	Output Base Speed	Gear Ratio	Max. Safe Torque In. Lbs.	Catalog Number		List Price	Mult. Sym.	Motor Type & Gear Style	Ap'x. Shpg. Wgt.	Voltage D.C. Armature	Full Load Amperage Armature
Foot Mount - 90 Volts continued...											
1/12	43	40:1	73	GP12511	†	456	DS	125-K	10	90	0.90
1/12	86	20:1	39	GP12512	†	456	DS	125-K	10	90	0.90
1/12	173	10:1	22	GP12514	†	456	DS	125-K	10	90	0.90
1/12	346	5:1	10	GP12516	†	456	DS	125-K	10	90	0.90
1/6	43	40:1	135	GP13530	†	479	DS	135-K	10	90	1.73
1/6	57	30:1	111	GP13531	†	479	DS	135-K	10	90	1.73
1/6	88	20:1	88	GP13532	†	479	DS	135-K	10	90	1.73
1/6	173	10:1	48	GP13533	†	479	DS	135-K	10	90	1.73
1/6	346	5:1	24	GP13536	†	479	DS	135-K	10	90	1.73
1/8	30	58:1	120	GP7404	†	508	DS	2424P-JK	14	90	1.30
1/8	38	45:1	100	GP7403	†	508	DS	2424P-JK	14	90	1.30
1/8	52	33:1	75	GP7402	†	508	DS	2424P-JK	14	90	1.30
1/8	75	22.5:1	60	GP7401	†	508	DS	2424P-JK	14	90	1.30
1/8	173	11:1	32	GP7400	†	508	DS	2424P-JK	14	90	1.30
1/4	68	33:1	112	GP7405	†	508	DS	2424P-JK	14	90	2.40
1/5	50	45:1	120	GP7408	†	508	DS	2424P-JK	14	90	2.20
1/4	76	45:1	100	GP7407	†	508	DS	2424P-JK	14	90	2.60
1/4	104	33:1	75	GP7406	†	508	DS	2424P-JK	14	90	2.60
1/4	314	8:1	32	GP7413	†	508	DS	2424P-JK	14	90	2.60
1/4	6.2	280:1	400	GP24280	†	638	DS	2424P-G	21	90	1.80
1/4	9.1	190:1	385	GP24190	†	638	DS	2424P-G	21	90	1.80
1/4	14	120:1	280	GP24120	†	638	DS	2424P-G	21	90	1.80
1/4	29	60:1	163	GP24060	†	638	DS	2424P-G	21	90	1.80
1/3	48	50:1	150	GP2507	†	624	DS	2532P-JH	25	90	3.36
1/3	62	40:1	137	GP2506	†	624	DS	2532P-JH	25	90	3.36
1/3	123	20:1	95	GP2503	†	624	DS	2532P-JH	25	90	3.36
1/3	245	10:1	65	GP2501	†	624	DS	2532P-JH	25	90	3.36
1/2	50	50:1	234	GP3307	†	725	DS	3327P-JH	35	90	5.00
1/2	63	40:1	215	GP3306	†	725	DS	3327P-JH	35	90	5.00
1/2	125	20:1	145	GP3303	†	725	DS	3327P-JH	35	90	5.00
1/2	250	10:1	100	GP3301	†	725	DS	3327P-JH	35	90	5.00
Foot Mount - 180 Volts											
1/83	1.9	1100:1	75	GP233020	†	418	DS	2314P-DA	7	180	0.11
1/31	4.1	660:1	75	GP233029	†	418	DS	2314P-DA	7	180	0.20
1/22	8.5	310:1	66	GP233028	†	418	DS	2314P-DA	7	180	0.26
1/20	19.7	130:1	64	GP233027	†	436	DS	2314P-DA	7	180	0.31
1/4	20	180:1	175	GP7429		578	DS	2424P-EB	15	180	1.00
1/16	60	30:1	33	GP233023	†	371	DS	2318P-BA	7	180	0.42
1/14	86	20:1	28	GP233022	†	371	DS	2318P-BA	7	180	0.42
1/16	175	10:1	17	GP233021	†	371	DS	2318P-BA	7	180	0.42
1/16	41	45:1	57	GP233026	†	371	DS	2318P-CB	8	180	0.42
1/16	53	33:1	48	GP233025	†	371	DS	2318P-CB	8	180	0.40
1/14	76	22.5:1	76	GP233024	†	371	DS	2318P-CB	8	180	0.42
1/8	30	58:1	120	GP7424	†	508	DS	2420P-JK	14	180	0.64
1/8	38	45:1	100	GP7423	†	508	DS	2420P-JK	14	180	0.64
1/8	52	33:1	75	GP7422	†	508	DS	2420P-JK	14	180	0.64
1/8	78	22.5:1	60	GP7421	†	508	DS	2420P-JK	14	180	0.64
1/8	173	11:1	32	GP7420	†	508	DS	2420P-JK	14	180	0.65
1/4	68	45:1	135	GP7425	†	508	DS	2424P-JK	14	180	1.30
1/5	50	45:1	120	GP7428	†	508	DS	2424P-JK	14	180	1.10
1/4	76	45:1	100	GP7427	†	508	DS	2424P-JK	14	180	1.30
1/4	104	33:1	75	GP7426	†	508	DS	2424P-JK	14	180	1.30
1/4	314	11:1	32	GP7433	†	508	DS	2424P-JK	14	180	1.30

NOTE: Supplied with type SJO, three foot 18/3 AWG grounded cord, except 1/3 and 1/2 Hp which have 12" leads and conduit box.

See notes on pages 8 and 9, and inside back flap. Refer to page 294 for conduit box kits, mounting adapters and brackets, and UL and CSA approvals on motors and gearmotors.

All right angle gearmotors have double output shafts except style "K" and "JH", which have a single output shaft left side facing gearhead.

Vertical motor below gearhead not recommended. Avoiding those positions where the high speed oil seal is immersed in oil, will provide greater security against high speed input seal wear. **Red catalog number = New item**

DC Permanent Magnet - Flange Mount - Right Angle - TENV



GPF13514 Shown

1/5 thru 1/4 Hp

Applications: Conveyors, medical and laboratory equipment, printing presses, commercial ovens, machine tools and many other applications requiring adjustable speed.

Features: Flange mount, induction hardened and ground steel worm, bronze gearing, internal expansion bladder and Mobil® SHC634 synthetic oil, ball bearing motor construction.

Input Motor Hp	Output Base Speed	Gear Ratio	Max. Safe Torque In. Lbs.	Catalog Number	List Price	Mult. Sym.	Motor Type & Gear Style	Ap'x. Shpg. Wgt.	Voltage D.C. Armature	Full Load Amperage Armature	
Flange Mount - 90 Volts											
1/4	312	8:1	38.0	GPF13514	†	528	DS	135-JAF-0	15	90	2.5
1/4	167	15:1	69.0	GPF13515	†	528	DS	135-JAF-0	15	90	2.5
1/4	111	22.5:1	96.0	GPF13516	†	528	DS	135-JAF-0	15	90	2.6
1/4	76	33:1	110.0	GPF13517	†	528	DS	135-JAF-0	15	90	2.2
Flange Mount - 180 Volts											
1/5	167	15:1	55.0	GPF13530	†	528	DS	135-JAF-0	15	180	1.0
1/5	76	33:1	88.0	GPF13532	†	528	DS	135-JAF-0	15	180	1.0

DC Permanent Magnet - Parallel Shaft - TENV



GPP233112 Shown

1/45 thru 1/2 Hp

Applications: Conveyors, medical and laboratory equipment, printing presses, commercial ovens, machine tools and many other applications requiring adjustable speed.

Features: Steel gearing, synthetic lubrication, needle bearings on output shaft, ball bearings on intermediate stages, ball bearing motor construction, optional bases available for foot mounting.

Input Motor Hp	Output Base Speed	Gear Ratio	Max. Safe Torque In. Lbs.	Catalog Number	List Price	Mult. Sym.	Motor Type & Gear Style	Ap'x. Shpg. Wgt.	Voltage D.C. Armature	Full Load Amperage Armature	
90 Volts											
1/45	9	180:1	100	GPP231108	†	357	DS	2308P-PSSH	8	90	0.29
1/21	19	90:1	118	GPP232110	†	357	DS	2308P-PSSH	7	90	0.57
1/50	29	60:1	40	GPP231109	†	339	DS	2308P-PSSH	8	90	0.35
1/20	30	60:1	100	GPP233112	†	371	DS	2318P-PSSH	8	90	0.70
1/17	60	30:1	50	GPP233111	†	371	DS	2318P-PSSH	8	90	0.65
1/35	120	20:1	9.5	GPP231110	†	339	DS	2308P-PSSH	8	90	0.36
1/12	43	60:1	112	GPP12505	†	411	DS	2412P-PSSH	11	90	1.00
1/12	58	44:1	83	GPP12504	†	411	DS	2412P-PSSH	11	90	1.00
1/12	125	20:1	38.5	GPP12502	†	391	DS	2412P-PSSH	11	90	1.00
1/12	115	22:1	43	GPP12503	†	391	DS	2412P-PSSH	11	90	1.00
1/12	250	10:1	19.7	GPP12501	†	391	DS	2412P-PSSH	11	90	1.00
1/16	15.4	120:1	197	GPP233141	†	457	DS	2318P-PSM	10	90	0.66
1/15	18.6	90:1	180	GPP233140	†	457	DS	2318P-PSM	10	90	0.77
1/8	42	60:1	165	GPP12547	†	458	DS	2416P-PSM	12	90	1.35
1/8	63	40:1	116	GPP12545	†	458	DS	2416P-PSM	12	90	1.35
1/8	83	30:1	90	GPP12544	†	458	DS	2416P-PSM	12	90	1.35
1/8	125	20:1	58	GPP12543	†	438	DS	2416P-PSM	12	90	1.35
1/8	167	15:1	45	GPP12542	†	438	DS	2416P-PSM	12	90	1.35
1/8	250	10:1	30	GPP12541	†	438	DS	2416P-PSM	12	90	1.35
1/8	500	5:1	15	GPP12540	†	438	DS	2416P-PSM	12	90	1.35

NOTE: Supplied with type SJO, three foot 18/3 AWG grounded cord. See notes on pages 8 and 9, and inside back flap.

Refer to page 294 for conduit box kits, mounting adapters and brackets, and UL and CSA approvals on motors and gearmotors.

Vertical motor below gearhead not recommended. Avoiding those positions where the high speed oil seal is immersed in oil, will provide greater security against high speed input seal wear.

Direct Current Permanent Magnet - Parallel Shaft - TENV continued...

Input Motor Hp	Output Base Speed	Gear Ratio	Max. Safe Torque In. Lbs.	Catalog Number	List Price	Mult. Sym.	Motor Type & Gear Style	Ap'x. Shpg. Wgt.	Voltage D.C. Armature	Full Load Amperage Armature	
90 Volts Continued...											
1/8	8.3	300:1	330	GPP7459	†	578	DS	2424P-PSL	17	90	0.76
1/8	10.4	240:1	330	GPP7462	†	578	DS	2424P-PSL	17	90	0.71
1/4	14	180:1	365	GPP7458	†	578	DS	2424P-PSL	17	90	1.20
1/4	21	120:1	365	GPP7457	†	578	DS	2424P-PSL	17	90	1.70
1/4	28	90:1	390	GPP7461	†	578	DS	2424P-PSL	17	90	2.25
1/4	42	60:1	280	GPP7456	†	555	DS	2424P-PSL	17	90	2.50
1/4	50	50:1	250	GPP7460	†	555	DS	2424P-PSL	17	90	2.50
1/4	62	40:1	200	GPP7455	†	555	DS	2424P-PSL	17	90	2.50
1/4	83	30:1	150	GPP7454	†	555	DS	2424P-PSL	17	90	2.50
1/4	125	20:1	100	GPP7453	†	555	DS	2424P-PSL	17	90	2.50
1/4	165	15:1	75	GPP7452	†	510	DS	2424P-PSL	15	90	2.50
1/4	250	10:1	50	GPP7451	†	510	DS	2424P-PSL	17	90	2.50
1/4	500	5:1	25	GPP7450	†	510	DS	2424P-PSL	17	90	2.50
1/3	58	30:1	320	GPP2530	†	759	DS	2532P-PSLH	24	90	3.20
1/3	113	15:1	164	GPP2534	†	722	DS	2532P-PSLH	24	90	3.20
1/3	345	5:1	55	GPP2538	†	722	DS	2532P-PSLH	24	90	3.20
1/2	83	30:1	337	GPP3340	†	852	DS	3327P-PSLH	35	90	5.00
1/2	167	15:1	171	GPP3344	†	852	DS	3327P-PSLH	35	90	5.00
1/2	500	5:1	57	GPP3348	†	815	DS	3327P-PSLH	35	90	5.00
180 Volts											
1/22	19	90:1	118	GPP233120	†	371	DS	2314P-PSSH	8	180	0.30
1/12	43	40:1	112	GPP12525	†	396	DS	2420P-PSSH	11	180	0.45
1/20	60	30:1	50	GPP233121	†	371	DS	2318P-PSSH	8	180	0.35
1/12	250	10:1	19.7	GPP12521	†	396	DS	2416P-PSSH	11	180	0.49
1/8	42	60:1	174	GPP12567	†	442	DS	2416P-PSM	11	180	0.65
1/8	83	30:1	87	GPP12564	†	442	DS	2416P-PSM	11	180	0.65
1/8	250	10:1	30	GPP12561	†	438	DS	2416P-PSM	11	180	0.65
1/8	500	5:1	14.8	GPP12560	†	438	DS	2416P-PSM	11	180	0.65
1/8	8.3	300:1	330	GPP7479	†	578	DS	2424P-PSL	17	180	0.38
1/4	14	180:1	365	GPP7478	†	578	DS	2424P-PSL	17	180	0.60
1/4	21	120:1	365	GPP7477	†	578	DS	2424P-PSL	17	180	0.85
1/4	42	60:1	280	GPP7476	†	555	DS	2424P-PSL	17	180	1.25
1/4	62	40:1	200	GPP7475	†	555	DS	2424P-PSL	17	180	1.25
1/4	83	30:1	155	GPP7474	†	555	DS	2424P-PSL	17	180	1.25
1/4	125	20:1	100	GPP7473	†	555	DS	2424P-PSL	17	180	1.25
1/4	165	15:1	75	GPP7472	†	510	DS	2424P-PSL	17	180	1.25
1/4	250	10:1	50	GPP7471	†	510	DS	2424P-PSL	17	180	1.25
1/4	500	5:1	25	GPP7470	†	510	DS	2424P-PSL	17	180	1.25
1/3	58	30:1	320	GPP3370	†	852	DS	3327P-PSLH	35	180	1.50
1/3	115	15:1	164	GPP3374	†	815	DS	3327P-PSLH	35	180	1.50
1/3	345	5:1	55	GPP3378	†	815	DS	3327P-PSLH	35	180	1.60
1/2	83	30:1	337	GPP3380	†	852	DS	3327P-PSLH	35	180	2.50
1/2	167	15:1	171	GPP3384	†	815	DS	3327P-PSLH	35	180	2.50
1/2	500	5:1	57	GPP3388	†	815	DS	3327P-PSLH	35	180	2.50

NOTE: Supplied with type SJO, three foot 18/3 AWG grounded cord, except 1/3 and 1/2 Hp which have 12" leads and conduit box.

See page 294 for optional mounting brackets. See notes on pages 8 and 9, and inside back flap.

Vertical motor below gearhead not recommended. Avoiding those positions where the high speed oil seal is immersed in oil, will provide greater security against high speed input seal wear.

900 Series - Right Angle - Quill Type Solid Shaft

1.33 thru 3.75 CD

NEMA 56C thru 210TC

Applications: Ideal for conveyors, material handling, textile machines, packaging machinery. etc. (slow speed and high torque).

Features: Heavy duty cast iron housing, chill cast bronze gearing, precision ground hardened worm, ball bearing on input shaft, tapered roller bearings on output shaft. Industry-standard mounting dimensions. Pre-filled with food grade (H1) Klubersynth UH1-6-460 synthetic oil, sealed housing provides maintenance-free lubed for life operation.



GF1018AG Shown

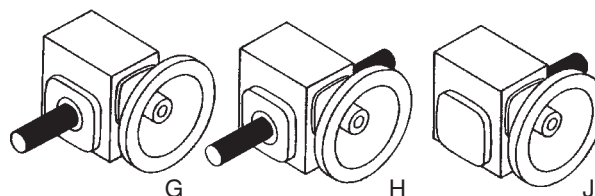
Nominal Output RPM @ 1750 RPM In	Gear Ratio	Continuous Duty Output Torque (In-Lbs) Based on 1750 RPM Motor										Max Input Hp	Max Output Torque Rating In-Lbs	NEMA Motor Mount	Style Number	Catalog Number	List Price	Mult. Sym.	Ap'x Shpg. Wgt.	
		0.25	0.33	0.5	0.75	1	1.5	2	3	5	7.5									10
350	5:1			75	112	149							1.11	165	56C	F-913-05-B5-G	GF0513AG	362	GB	20
				75	112	149							1.11	165	56C	F-913-05-B5-J	GF0513AJ	362	GB	20
					115	154	231						1.50	231	56C	F-915-05-B5-G	GF0515AG	388	GB	25
					115	154	231						1.50	231	140TC	F-915-05-B7-G	GF0515BG	388	GB	25
					115	154	231						1.50	231	56C	F-915-05-B5-H	GF0515AH	410	GB	25
						160	240	320					2.00	320	56C	F-918-05-B5-G	GF0518AG	397	GB	30
						160	240	320					2.00	320	140TC	F-918-05-B7-G	GF0518BG	397	GB	30
							246	327	491				3.14	514	140TC	F-921-05-B7-G	GF0521BG	497	GB	35
							246	327	491				3.14	514	140TC	F-921-05-B7-J	GF0521BJ	497	GB	35
								339	507				4.17	705	180TC	F-924-05-B9-G	GF0524CG	587	GB	40
								339	508	847			5.43	919	180TC	F-926-05-B9-G	GF0526CG	681	GB	55
									502	837	1255		7.64	1279	180TC	F-930-05-B9-G	GF0530CG	926	GB	68
233	7.5:1								754	1257			6.37	1600	180TC	F-930-7.5-B9-G	GF0830CG	926	GB	68
175	10:1		82	125	187								0.90	225	56C	F-913-10-B5-G	GF1013AG	362	GB	20
			82	125	187								0.90	225	56C	F-913-10-B5-J	GF1013AJ	362	GB	20
			82	125	187								0.90	225	56C	F-913-10-B5-H	GF1013AH	383	GB	20
				141	211	282							1.03	290	56C	F-915-10-B5-G	GF1015AG	388	GB	20
				141	211	282							1.03	290	140TC	F-915-10-B7-G	GF1015BG	388	GB	20
				141	211	282							1.03	290	56C	F-915-10-B5-H	GF1015AH	410	GB	25
					214	285	428						1.50	428	56C	F-918-10-B5-G	GF1018AG	397	GB	30
					214	285	428						1.50	428	56C	F-918-10-B5-J	GF1018AJ	397	GB	30
					214	285	428						1.50	428	56C	F-918-10-B5-H	GF1018AH	420	GB	29
					214	285	428						1.50	428	140TC	F-918-10-B7-G	GF1018BG	397	GB	30
						312	468	624					2.02	630	56C	F-921-10-B5-G	GF1021AG	497	GB	35
						312	468	624					2.02	630	56C	F-921-10-B5-J	GF1021AJ	497	GB	35
						312	468	624					2.02	630	56C	F-921G-10-B5-G	GF10G21AG	497	GB	30

NOTE: Service Class I Torque Ratings (1.0 Service Factor)
 Service Class II Torque Ratings (≥ 1.4 Service Factor)
 Service Class III Torque Ratings (≥ 2.0 Service Factor)

Vertical motor below gearhead not recommended. Avoiding those positions where the high speed oil seal is immersed in oil, will provide greater security against high speed input seal wear.

Replacement oil – 1 Qt P/N MJ0006A05SP (Klubersynth UH1-6-460)

Assembly Types



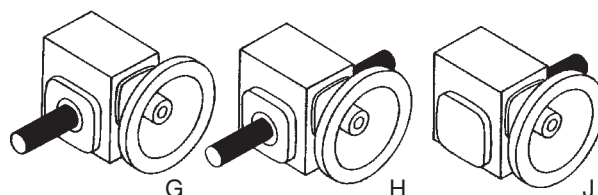
900 Series - Right Angle - Quill Type - Solid Shaft continued...

Nominal Output RPM @ 1750 RPM In	Gear Ratio	Continuous Duty Output Torque (In-Lbs) Based on 1750 RPM Motor										Max Input Hp	Max Output Torque Rating In-Lbs	NEMA Motor Mount	Style Number	Catalog Number	List Price	Mult. Sym.	Ap'x Shpg. Wgt.
		0.25	0.33	0.5	0.75	1	1.5	2	3	5	7.5								
175	10:1					312	468	624				2.02	630	56C	F-921-10-B5-H	GF1021AH	524	GB	35
						312	468	624				2.02	630	140TC	F-921-10-B7-G	GF1021BG	497	GB	35
						317	475	634				2.73	893	140TC	F-924-10-B7-G	GF1024BG	587	GB	40
								655	983			3.59	1177	140TC	F-926-10-B7-G	GF1026BG	681	GB	55
								655	983			3.59	1177	180TC	F-926-10-B9-G	GF1026CG	681	GB	55
								641	961	1602		5.48	1755	180TC	F-930-10-B9-G	GF1030CG	926	GB	68
									990	1649		6.36	2106	180TC	F-932-10-B9-G	GF1032CG	1004	GB	87
117	15:1								963	1604	2407	9.05	2905	210TC	F-938-10-B11-G	GF1038DG	1227	GB	126
		89	118	179								0.66	225	56C	F-913-15-B5-G	GF1513AG	362	GB	20
		89	118	179								0.66	225	56C	F-913-15-B5-J	GF1513AJ	362	GB	20
		89	118	179								0.66	225	56C	F-913-15-B5-H	GF1513AH	383	GB	20
			127	193	289							0.81	312	56C	F-915-15-B5-G	GF1515AG	388	GB	25
			127	193	289							0.81	312	56C	F-915-15-B5-H	GF1515AH	410	GB	25
				209	314	419						1.07	448	56C	F-918-15-B5-G	GF1518AG	397	GB	30
				209	314	419						1.07	448	56C	F-918-15-B5-J	GF1518AJ	397	GB	30
				209	314	419						1.07	448	56C	F-918-15-B5-H	GF1518AH	420	GB	30
				246	369	492						1.35	664	56C	F-921-15-B5-G	GF1521AG	497	GB	35
				246	369	492						1.35	664	56C	F-921-15-B5-J	GF1521AJ	497	GB	35
				246	369	492						1.35	664	56C	F-921-15-B5-H	GF1521AH	524	GB	35
				246	369	492						1.35	664	140TC	F-921-15-B7-G	GF1521BG	497	GB	35
						470	705	939				2.11	992	56C	F-924-15-B5-G	GF1524AG	587	GB	40
						470	705	939				2.11	992	56C	F-924-15-B5-J	GF1524AJ	587	GB	40
						470	705	939				2.11	992	140TC	F-924-15-B7-G	GF1524BG	587	GB	40
						473	710	947				2.58	1225	140TC	F-926-15-B7-G	GF1526BG	681	GB	55
							686	915	1373			4.14	1903	180TC	F-930-15-B9-G	GF1530CG	926	GB	68
								959	1438			4.66	2241	140TC	F-932-15-B7-G	GF1532BG	1004	GB	87
								959	1438			4.66	2241	180TC	F-932-15-B9-G	GF1532CG	1004	GB	87
									1409	2349		6.64	3118	180TC	F-938-15-B9-G	GF1538CG	1227	GB	126
88	20:1	113	149	226								0.53	239	56C	F-913-20-B5-G	GF2013AG	362	GB	20
		113	149	226								0.53	239	56C	F-913-20-B5-H	GF2013AH	383	GB	20
		128	169	256								0.62	317	56C	F-915-20-B5-G	GF2015AG	388	GB	25
		128	169	256								0.62	317	56C	F-915-20-B5-H	GF2015AH	410	GB	25
			165	251	376							0.92	461	56C	F-918-20-B5-G	GF2018AG	397	GB	30
			165	251	376							0.92	461	56C	F-918-20-B5-J	GF2018AJ	397	GB	30
			165	251	376							0.92	461	56C	F-918-20-B5-H	GF2018AH	420	GB	30
				323	484	645						1.06	684	56C	F-921-20-B5-G	GF2021AG	497	GB	35
				323	484	645						1.06	684	56C	F-921-20-B5-J	GF2021AJ	497	GB	35
				323	484	645						1.06	684	56C	F-921G-20-B5-G	GF20G21AG	497	GB	35

NOTE: Service Class I Torque Ratings (1.0 Service Factor)
 Service Class II Torque Ratings (≥ 1.4 Service Factor)
 Service Class III Torque Ratings (≥ 2.0 Service Factor)

See notes on pages 8 and 9, and inside back flap.

Vertical motor below gearhead not recommended. Avoiding those positions where the high speed oil seal is immersed in oil, will provide greater security against high speed input seal wear.

Assembly Types

900 Series - Right Angle - Quill Type - Solid Shaft continued...

Nominal Output RPM @ 1750 RPM In	Gear Ratio	Continuous Duty Output Torque (In-Lbs) Based on 1750 RPM Motor										Max Input Hp	Max Output Torque Rating In-Lbs	NEMA Motor Mount	Style Number	Catalog Number	List Price	Mult. Sym.	Ap'x Shpg. Wgt.
		0.25	0.33	0.5	0.75	1	1.5	2	3	5	7.5								
88	20:1			323	484	645						1.06	684	56C	F-921-20-B5-H	GF2021AH	524	GB	35
				323	484	645						1.06	684	140TC	F-921-20-B7-G	GF2021BG	497	GB	35
				323	484	645						1.06	684	140TC	F-921G-20-B7-G	GF20G21BG	497	GB	30
					451	602	902					1.72	1038	56C	F-924-20-B5-G	GF2024AG	587	GB	40
					451	602	902					1.72	1038	140TC	F-924-20-B7-G	GF2024BG	587	GB	40
						609	913	1218				2.15	1308	56C	F-926-20-B5-G	GF2026AG	681	GB	55
						609	913	1218				2.15	1308	140TC	F-926-20-B7-G	GF2026BG	681	GB	55
								880	1174	1761		3.31	1955	140TC	F-930-20-B7-G	GF2030BG	926	GB	68
								880	1174	1761		3.31	1955	180TC	F-930-20-B9-G	GF2030CG	926	GB	68
								880	1174	1761		3.31	1955	180TC	F-930-20-B9-J	GF2030CJ	926	GB	73
								924	1232	1848		3.85	2383	140TC	F-932-20-B7-G	GF2032BG	1004	GB	87
								924	1232	1848		3.85	2383	180TC	F-932-20-B9-G	GF2032CG	1004	GB	87
70	25:1								1176	1764	2940	5.43	3193	180TC	F-938-20-B9-G	GF2038CG	1227	GB	126
		119	157	238								0.50	238	56C	F-913-25-B5-G	GF2513AG	362	GB	20
		156	206	312								0.51	318	56C	F-915-25-B5-G	GF2515AG	388	GB	25
		156	206	312								0.51	318	56C	F-915-25-B5-H	GF2515AH	410	GB	25
			183	277	416							0.8	444	56C	F-918-25-B5-G	GF2518AG	397	GB	30
			183	277	416							0.8	444	56C	F-918-25-B5-J	GF2518AJ	397	GB	30
			250	379	569							0.89	675	56C	F-921-25-B5-G	GF2521AG	497	GB	35
			250	379	569							0.89	675	56C	F-921-25-B5-J	GF2521AJ	497	GB	35
			250	379	569							0.89	675	56C	F-921G-25-B5-G	GF25G21AG	497	GB	40
				365	547	729						1.37	1002	140TC	F-924-25-B7-G	GF2524BG	587	GB	40
					567	756	1134					1.73	1307	140TC	F-926-25-B7-G	GF2526BG	681	GB	55
						711	1066	1422				2.78	1978	56C	F-930-25-B5-G	GF2530AG	926	GB	68
						711	1066	1422				2.78	1978	140TC	F-930-25-B7-G	GF2530BG	926	GB	68
58	30:1							1134	1513	2269		3.13	2355	140TC	F-932-25-B7-G	GF2532BG	1004	GB	87
								1440	2160			4.50	3222	180TC	F-938-25-B9-H	GF2538CH	1296	GB	126
		148	195									0.42	248	56C	F-913-30-B5-G	GF3013AG	362	GB	20
		148	195									0.42	248	56C	F-913-30-B5-H	GF3013AH	383	GB	20
		159	210	318								0.50	318	56C	F-915-30-B5-G	GF3015AG	388	GB	25
		159	210	318								0.50	318	56C	F-915-30-B5-H	GF3015AH	410	GB	25
			216	327								0.72	470	56C	F-918-30-B5-G	GF3018AG	397	GB	30
			216	327								0.72	470	56C	F-918-30-B5-J	GF3018AJ	397	GB	30
			216	327								0.72	470	56C	F-918-30-B5-H	GF3018AH	420	GB	30
			275	416	624							0.83	691	56C	F-921-30-B5-G	GF3021AG	497	GB	35
			275	416	624							0.83	691	56C	F-921-30-B5-J	GF3021AJ	497	GB	35
			275	416	624							0.83	691	56C	F-921-30-B5-H	GF3021AH	524	GB	35
			275	416	624							0.83	691	56C	F-921G-30-B5-G	GF30G21AG	497	GB	30
				420	630	840						1.32	1111	56C	F-924-30-B5-G	GF3024AG	587	GB	40
				420	630	840						1.32	1111	56C	F-924-30-B5-J	GF3024AJ	587	GB	40
				420	630	840						1.32	1111	140TC	F-924-30-B7-G	GF3024BG	587	GB	40
					641	854	1281					1.54	1313	56C	F-926-30-B5-G	GF3026AG	681	GB	55
					641	854	1281					1.54	1313	140TC	F-926-30-B7-G	GF3026BG	681	GB	55
						804	1206	1608				2.47	1978	56C	F-930-30-B5-G	GF3030AG	926	GB	68
						804	1206	1608				2.47	1978	56C	F-930-30-B5-J	GF3030AJ	926	GB	68
						804	1206	1608				2.47	1978	140TC	F-930-30-B7-G	GF3030BG	926	GB	68
						804	1206	1608				2.47	1978	140TC	F-930-30-B7-G	GF3030BG	926	GB	68

NOTE: Refer to Brochure CA1600 for Dimensions and Engineering Information.

See notes on pages 8 and 9, and inside back flap.

	Service Class I Torque Ratings (1.0 Service Factor)
	Service Class II Torque Ratings (≥ 1.4 Service Factor)
	Service Class III Torque Ratings (≥ 2.0 Service Factor)

Vertical motor below gearhead not recommended. Avoiding those positions where the high speed oil seal is immersed in oil, will provide greater security against high speed input seal wear.

900 Series - Right Angle - Quill Type - Solid Shaft continued...

Nominal Output RPM @ 1750 RPM In	Gear Ratio	Continuous Duty Output Torque (In-Lbs) Based on 1750 RPM Motor										Max Input Hp	Max Output Torque Rating In-Lbs	NEMA Motor Mount	Style Number	Catalog Number	List Price	Mult. Sym.	Ap'x Shpg. Wgt.
		0.25	0.33	0.5	0.75	1	1.5	2	3	5	7.5								
58	30:1					881	1322	1763				2.81	2482	140TC	F-932-30-B7-G	GF3032BG	1004	GB	87
								1626	2438			3.97	3226	180TC	F-938-30-B9-G	GF3038CG	1227	GB	126
44	40:1	174	230									0.33	230	56C	F-913-40-BG-G	GF4013AG	362	GB	20
		174	230									0.33	230	56C	F-913-40-B5-H	GF4013AH	383	GB	20
		208	275									0.38	317	56C	F-915-40-B5-G	GF4015AG	388	GB	25
		208	275									0.38	317	56C	F-915-40-B5-J	GF4015AJ	388	GB	25
		180	238	360								0.64	461	56C	F-918-40-B5-G	GF4018AG	397	GB	30
		180	238	360								0.64	461	56C	F-918-40-B5-J	GF4018AJ	397	GB	30
			340	515								0.66	680	56C	F-921-40-B5-G	GF4021AG	497	GB	35
			340	515								0.66	680	56C	F-921-40-B5-J	GF4021AJ	497	GB	35
				521	781							0.99	1030	56C	F-924-40-B5-G	GF4024AG	587	GB	40
				521	781							0.99	1030	56C	F-924-40-B5-J	GF4024AJ	587	GB	40
				521	781							0.99	1030	56C	F-924-40-B5-H	GF4024AH	620	GB	40
				524	786	1049						1.23	1296	56C	F-926-40-B5-G	GF4026AG	681	GB	55
				524	786	1049						1.23	1296	56C	F-926-40-B5-J	GF4026AJ	681	GB	55
				524	786	1049						1.23	1296	140TC	F-926-40-B7-G	GF4026BG	681	GB	55
					794	1059	1589					1.84	1960	56C	F-930-40-B5-G	GF4030AG	926	GB	68
					794	1059	1589					1.84	1960	140TC	F-930-40-B7-G	GF4030BG	926	GB	68
						1180	1620	2160				2.20	2374	140TC	F-932-40-B7-G	GF4032BG	1004	GB	87
							1596	2129	3192			3.00	3192	180TC	F-938-40-B9-G	GF4038CG	1227	GB	126
							1596	2129	3192			3.00	3192	180TC	F-938-40-B9-H	GF4038CH	1296	GB	126
35	50:1	177	234									0.33	234	56C	F-913-50-B5-G	GF5013AG	362	GB	20
		177	234									0.33	234	56C	F-913-50-B5-H	GF5013AH	383	GB	20
		230	303									0.33	303	56C	F-915-50-B5-G	GF5015AG	388	GB	25
		222	294									0.49	436	56C	F-918-50-B5-G	GF5018AG	397	GB	30
		222	294									0.49	436	56C	F-918-50-B5-J	GF5018AJ	397	GB	30
		280	370	561								0.58	651	56C	F-921-50-B5-G	GF5021AG	497	GB	35
		280	370	561								0.58	651	56C	F-921-50-B5-J	GF5021AJ	497	GB	35
		280	370	561								0.58	651	56C	F-921-50-B5-H	GF5021AH	524	GB	35
			401	608	912							0.83	1014	56C	F-924-50-B5-G	GF5024AG	587	GB	40
				621	932	1242						1.00	1242	56C	F-926-50-B5-G	GF5026AG	681	GB	55
				621	932	1242						1.00	1242	140TC	F-926-50-B7-G	GF5026BG	681	GB	55
					850	1134	1701					1.67	1890	56C	F-930-50-B5-G	GF5030AG	926	GB	68
					850	1134	1701					1.67	1890	140TC	F-930-50-B7-G	GF5030BG	926	GB	68
					958	1278	1917					1.83	2366	56C	F-932-50-B5-G	GF5032AG	1004	GB	87
					958	1278	1917					1.83	2366	140TC	F-932-50-B7-G	GF5032BG	1004	GB	87
						1152	1729	2305				2.67	3076	140TC	F-938-50-B7-G	GF5038BG	1227	GB	126
						1152	1729	2305				2.67	3076	140TC	F-938-50-B7-H	GF5038BH	1296	GB	126
29	60:1	218	288									0.33	288	56C	F-915-60-B5-G	GF6015AG	388	GB	25
		218	288									0.33	288	56C	F-915-60-B5-H	GF6015AH	410	GB	25
		220	290									0.47	413	56C	F-918-60-B5-G	GF6018AG	397	GB	30
		220	290									0.47	413	56C	F-918-60-B5-J	GF6018AJ	397	GB	30
		220	290									0.47	413	56C	F-918-60-B5-H	GF6018AH	420	GB	30

NOTE: Service Class I Torque Ratings (1.0 Service Factor)
 Service Class II Torque Ratings (≥ 1.4 Service Factor)
 Service Class III Torque Ratings (≥ 2.0 Service Factor)

See notes on pages 8 and 9, and inside back flap.

Vertical motor below gearhead not recommended. Avoiding those positions where the high speed oil seal is immersed in oil, will provide greater security against high speed input seal wear.

900 Series - Right Angle - Quill Type - Solid Shaft continued...

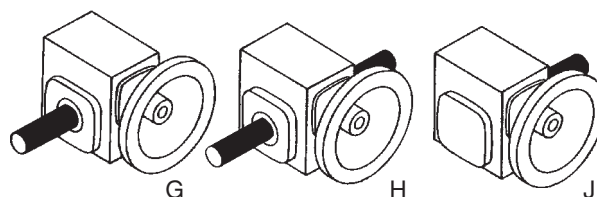
Nominal Output RPM @ 1750 RPM In	Gear Ratio	Continuous Duty Output Torque (In-Lbs) Based on 1750 RPM Motor										Max Input Hp	Max Output Torque Rating In-Lbs	NEMA Motor Mount	Style Number	Catalog Number	List Price	Mult. Sym.	Ap'x Shpg. Wgt.
		0.25	0.33	0.5	0.75	1	1.5	2	3	5	7.5								
29	60:1	317	418	634								0.50	634	56C	F-921-60-B5-G	GF6021AG	497	GB	35
		317	418	634								0.50	634	56C	F-921-60-B5-H	GF6021AH	524	GB	35
		317	418	634								0.50	634	56C	F-921-60-B5-J	GF6021AJ	497	GB	35
			458	693								0.69	958	56C	F-924-60-B5-G	GF6024AG	587	GB	40
			458	693								0.69	958	56C	F-924-60-B5-J	GF6024AJ	587	GB	40
			473	716	1074							0.82	1166	56C	F-926-60-B5-G	GF6026AG	681	GB	55
			473	716	1074							0.82	1166	56C	F-926-60-B5-H	GF6026AH	681	GB	55
			473	716	1074							0.82	1166	56C	F-926-60-B5-H	GF6026AH	717	GB	55
					896	1195	1795					1.50	1795	56C	F-930-60-B5-G	GF6030AG	926	GB	68
					896	1195	1795					1.50	1795	140TC	F-930-60-B7-G	GF6030BG	926	GB	68
					1100	1467	2200					1.54	2255	56C	F-932-60-B5-G	GF6032AG	1004	GB	87
					1100	1467	2200					1.54	2255	140TC	F-932-60-B7-G	GF6032BG	1004	GB	87
						1254	1881	2508				2.33	2921	140TC	F-938-60-B7-G	GF6038BG	1227	GB	126
						1254	1881	2508				2.33	2921	140TC	F-938-60-B7-H	GF6038BH	1296	GB	126

NOTE: Service Class I Torque Ratings (1.0 Service Factor)
 Service Class II Torque Ratings (≥ 1.4 Service Factor)
 Service Class III Torque Ratings (≥ 2.0 Service Factor)

Suffix G = Left hand output facing input
J = Right hand output facing input
H = Double Output Shaft

Vertical motor below gearhead not recommended. Avoiding those positions where the high speed oil seal is immersed in oil, will provide greater security against high speed input seal wear.

Assembly Types



BALDOR**Gearmotors and Speed Reducers****900 Series - Right
Angle - Quill Type
Hollow Shaft****1.33 thru 3.25 CD****56C thru 180TC****Applications:** Ideal for conveyors, material handling, textile machines, packaging machinery. etc. (slow speed and high torque).**Features:** Heavy duty cast iron housing, chill cast bronze gearing, precision ground hardened worm, ball bearing on input shaft, tapered roller bearings on output shaft. Industry-standard mounting dimensions. Pre-filled with food grade (H1) Klubersynth UH1-6-460 synthetic oil, sealed housing provides maintenance-free lubed for life operation.

GHF1018AH Shown

Nominal Output RPM @ 1750 RPM In	Gear Ratio	Continuous Duty Output Torque (In-Lbs) Based on 1750 RPM Motor										Max Input Hp	Max Output Torque Rating In-Lbs	NEMA Motor Mount	Style Number	Catalog Number	List Price	Mult. Sym.	Ap'x Shpg. Wgt.
		0.25	0.33	0.5	0.75	1	1.5	2	3	5	7.5								
350	5:1			75	112	149						1.00	165	56C	HF-913-05-B5-G	GHF0513AH	477	GB	20
						160	240	320				2.00	320	56C	HF-918-05-B5-H	GHF0518AH	511	GB	30
175	10:1				214	285	428					1.50	428	56C	HF-918-10-B5-H	GHF1018AH	511	GB	30
						312	468	624				2.02	630	56C	HF-921-10-B5-H	GHF1021AH	607	GB	35
117	15:1							641	961	1602		5.48	1755	180TC	HF-930-10-B9-H	GHF1030CH	1101	GB	75
		89	118	179								0.66	25	56C	HF-913-15-B5-H	GHF1513AH	477	GB	20
				209	314	419						1.07	448	56C	HF-918-15-B5-H	GHF1518AH	511	GB	30
				246	369	492						1.35	664	56C	HF-921-15-B5-H	GHF1521AH	607	GB	35
88	20:1					470	705	939				2.11	992	56C	HF-924-15-B5-H	GHF1524AH	729	GB	45
							686	915	1373			4.14	1903	140TC	HF-930-15-B7-H	GHF1530BH	1101	GB	75
		113	149	226								0.53	239	56C	HF-913-20-B5-H	GHF2013AH	477	GB	20
			165	251	376							0.92	461	56C	HF-918-20-B5-H	GHF2018AH	511	GB	30
70	25			323	484	645						1.06	684	56C	HF-921-20-B5-H	GHF2021AH	607	GB	35
				451	602	902						1.72	1038	56C	HF-924-20-B5-H	GHF2024AH	729	GB	45
					609	913	1218					2.15	1309	56C	HF-926-20-B5-H	GHF2026AH	861	GB	56
						880	1174	1761				3.31	1955	140TC	HF-930-20-B7-H	GHF2030BH	1101	GB	75
58	30:1		183	277	416							0.80	444	56C	HF-918-25-B5-H	GHF2518AH	511	GB	30
			250	379	569							0.89	675	56C	HF-921-25-B5-H	GHF2521AH	607	GB	35
					567	756	1134					1.73	1307	140TC	HF-926-25-B7-H	GHF2526BH	861	GB	56
						711	1066	1422				2.78	1978	140TC	HF-930-25-B7-H	GHF2530BH	1101	GB	75
44	40:1	148	195									0.42	248	56C	HF-913-30-B5-H	GHF3013AH	477	GB	20
			216	327								0.72	470	56C	HF-918-30-B5-H	GHF3018AH	511	GB	30
			275	416	624							0.83	691	56C	HF-921-30-B5-H	GHF3021AH	607	GB	35
				420	630	840						1.32	1111	56C	HF-924-30-B5-H	GHF3024AH	729	GB	45
35	50:1				641	854	1281					1.54	1313	56C	HF-926-30-B5-H	GHF3026AH	861	GB	56
						804	1206	1608				2.47	1978	140TC	HF-930-30-B7-H	GHF3030BH	1101	GB	75
						881	1322	1763				2.81	2462	140TC	HF-932-30-B7-H	GHF3032BH	1193	GB	95
29	60:1	180	238	360								0.64	461	56C	HF-918-40-B5-H	GHF4018AH	511	GB	30
			340	515								0.66	680	56C	HF-921-40-B5-H	GHF4021AH	607	GB	35
				521	781							0.99	1030	56C	HF-924-40-B5-H	GHF4024AH	729	GB	45
				524	786	1049						1.23	1296	56C	HF-926-40-B5-H	GHF4026AH	861	GB	56
29	60:1			524	786	1049						1.23	1296	140TC	HF-926-40-B7-H	GHF4026BH	861	GB	56
					1074	1611	2148					2.20	2374	140TC	HF-932-40-B7-H	GHF4032BH	1193	GB	95
		177	234									0.33	234	56C	HF-913-50-B5-H	GHF5013AH	477	GB	20
		222	294									0.49	436	56C	HF-918-50-B5-H	GHF5018AH	511	GB	30
29	60:1	280	370	561								0.58	651	56C	HF-921-50-B5-H	GHF5021AH	607	GB	35
			401	608	912							0.83	1014	56C	HF-924-50-B5-H	GHF5024AH	729	GB	45
					850	1134	1701					1.67	1890	56C	HF-930-50-B5-H	GHF5030AH	1101	GB	75
					958	1278	1917					1.83	2366	56C	HF-932-50-B5-H	GHF5032AH	1193	GB	95
29	60:1	220	290									0.47	413	56C	HF-918-60-B5-H	GHF6018AH	511	GB	30
		317	418	634								0.50	634	56C	HF-921-60-B5-H	GHF6021AH	607	GB	35
			458	693								0.69	958	56C	HF-924-60-B5-H	GHF6024AH	729	GB	45
			473	716	1074							0.82	1166	56C	HF-926-60-B5-H	GHF6026AH	861	GB	56
29	60:1				896	1195	1795					1.50	1795	56C	HF-930-60-B5-H	GHF6030AH	1101	GB	75
					1100	1467	2200					1.54	2255	56C	HF-932-60-B5-H	GHF6032AH	1193	GB	95

NOTE: Service Class I Torque Ratings (1.0 Service Factor)
 Service Class II Torque Ratings (≥ 1.4 Service Factor)
 Service Class III Torque Ratings (≥ 2.0 Service Factor)

Vertical motor below gearhead not recommended. Avoiding those positions where the high speed oil seal is immersed in oil, will provide greater security against high speed input seal wear. See notes on pages 8 and 9, and inside back flap. **Red catalog number = New item**

Stainless Steel - Right Angle - Quill Type Solid Shaft



SSGF1018BG Shown

1.75 thru 2.62 CD

56C thru 140TC

Applications: Baldor's all stainless speed reducers are easy to clean and sanitize, minimizing bacterial contamination for food processing equipment. Stainless steel provides the high protection for pharmaceutical and chemical processing applications where harsh chemicals and cleaning solutions can be extremely corrosive to aluminum, cast iron and other materials.

Features: Housing and covers are cast stainless steel to endure hostile environments. 304 stainless output shafts and all stainless steel hardware for long rust resistant life. O-ring sealed housing and motor interface helps keeps contaminants out. Pre-filled with food grade (H1) Klubersynth UH1-6-460 synthetic oil. Sealed housing provides maintenance-free lubed for life operation. BISSC certified (Baking Industry Sanitation Standards Committee).

Nominal Output RPM @ 1750 RPM In	Gear Ratio	Continuous Duty Output Torque (In-Lbs) Based on 1750 RPM Motor										Max Input Hp	Max Output Torque Rating In-Lbs	NEMA Motor Mount	Style Number	Catalog Number	List Price	Mult. Sym.	Ap'x Shpg. Wgt.
		0.25	0.33	0.5	0.75	1	1.5	2	3	5	7.5								
350	5:1					160	240	320				2.00	320	56C	SSF-918-05-B5-G	SSGF0518AG	1210	GB	30
						160	240	320				2.00	320	140TC	SSF-918-05-B7-G	SSGF0518BG	1210	GB	30
							246	327	491			3.14	514	140TC	SSF-921-05-B7-G	SSGF0521BG	1415	GB	35
								339	508	847		5.43	919	140TC	SSF-926-05-B7-G	SSGF0526BG	1992	GB	65
175	10:1				214	285	428					1.50	428	56C	SSF-918-10-B5-G	SSGF1018AG	1210	GB	30
					214	285	428					1.50	428	140TC	SSF-918-10-B7-G	SSGF1018BG	1210	GB	30
						312	468	624				2.02	630	140TC	SSF-921-10-B7-G	SSGF1021BG	1415	GB	35
								655	983			3.59	1177	140TC	SSF-926-10-B7-G	SSGF1026BG	1992	GB	65
117	15:1			209	314	419						1.07	448	56C	SSF-918-15-B5-G	SSGF1518AG	1210	GB	30
				246	369	492						1.35	664	56C	SSF-921-15-B5-G	SSGF1521AG	1415	GB	35
						473	710	947				2.58	1225	140TC	SSF-926-15-B7-G	SSGF1526BG	1992	GB	65
88	20:1		165	251	376							0.92	461	56C	SSF-918-20-B5-G	SSGF2018AG	1210	GB	30
				323	484	645						1.06	684	56C	SSF-921-20-B5-G	SSGF2021AG	1415	GB	35
						609	913	1218				2.15	1308	140TC	SSF-926-20-B7-G	SSGF2026BG	1992	GB	65
70	25:1		183	277	416							0.80	444	56C	SSF-918-25-B5-G	SSGF2518AG	1210	GB	30
			250	379	569							0.89	675	56C	SSF-921-25-B5-G	SSGF2521AG	1415	GB	35
					567	756	1134					1.73	1307	140TC	SSF-926-25-B7-G	SSGF2526BG	1992	GB	65
58	30:1		216	327								0.72	470	56C	SSF-918-30-B5-G	SSGF3018AG	1210	GB	30
			275	416	624							0.83	691	56C	SSF-921-30-B5-G	SSGF3021AG	1415	GB	35
					641	854	1281					1.54	1313	140TC	SSF-926-30-B7-G	SSGF3026BG	1992	GB	65
44	40:1	180	238	360								0.64	461	56C	SSF-918-40-B5-G	SSGF4018AG	1210	GB	30
			340	515								0.66	680	56C	SSF-921-40-B5-G	SSGF4021AG	1415	GB	35
				524	786	1049						1.23	1296	140TC	SSF-926-40-B7-G	SSGF4026BG	1992	GB	65
35	50:1	222	294									0.49	436	56C	SSF-918-50-B5-G	SSGF5018AG	1210	GB	30
		280	370	561								0.58	651	56C	SSF-921-50-B5-G	SSGF5021AG	1415	GB	35
				621	932	1242						1.00	1242	56C	SSF-926-50-B5-G	SSGF5026AG	1992	GB	65
29	60:1	220	290									0.47	413	56C	SSF-918-60-B5-G	SSGF6018AG	1210	GB	30
		317	418	634								0.50	634	56C	SSF-921-60-B5-G	SSGF6021AG	1415	GB	35
			473	716	1074							0.82	1166	56C	SSF-926-60-B5-G	SSGF6026AG	1992	GB	65

NOTE: Service Class I Torque Ratings (1.0 Service Factor)
 Service Class II Torque Ratings (≥ 1.4 Service Factor)
 Service Class III Torque Ratings (≥ 2.0 Service Factor)

Refer to Brochure CA1600 for Dimensions and Engineering Information.
See notes on pages 8 and 9, and inside back flap.

Vertical motor below gearhead not recommended. Avoiding those positions where the high speed oil seal is immersed in oil, will provide greater security against high speed input seal wear.

Horizontal bases, SSB18H71, SSB21H71 and SSB26H71, are available, see page 291

**Stainless Steel -
Right Angle - Quill
Type Hollow Shaft**

SSGHF2026AH Shown

1.75 thru 2.62 CD**56C thru 140TC**

Applications: Baldor's all stainless speed reducers are easy to clean and sanitize, minimizing bacterial contamination for food processing equipment. Stainless steel provides the high protection for pharmaceutical and chemical processing applications where harsh chemicals and cleaning solutions can be extremely corrosive to aluminum, cast iron and other materials.

Features: Housing and covers are cast stainless steel to endure hostile environments. 304 stainless output shafts and all stainless steel hardware for long rust resistant life. O-ring sealed housing and motor interface helps keeps contaminants out. Pre-filled with food grade (H1) Klubersynth UH1-6-460 synthetic oil. Sealed housing provides maintenance-free lubed for life operation. BISSC certified (Baking Industry Sanitation Standards Committee).

Nominal Output RPM @ 1750 RPM In	Gear Ratio	Continuous Duty Output Torque (In-Lbs) Based on 1750 RPM Motor										Max Input Hp	Max Output Torque Rating In-Lbs	NEMA Motor Mount	Style Number	Catalog Number	List Price	Mult. Sym.	Ap'x Shpg. Wgt.
		0.25	0.33	0.5	0.75	1	1.5	2	3	5	7.5								
350	5:1					160	240	320				2.00	320	56C	SSHF-918-05-B5-H	SSGHF0518AH	1278	GB	30
175	10:1				214	285	428					1.50	428	56C	SSHF-918-10-B5-H	SSGHF1018AH	1278	GB	30
						312	468	624				2.20	630	56C	SSHF-921-10-B5-H	SSGHF1021AH	1480	GB	38
117	15:1			209	314	419						1.07	448	56C	SSHF-918-15-B5-H	SSGHF1518AH	1278	GB	30
				246	369	492						1.35	664	56C	SSHF-921-15-B5-H	SSGHF1521AH	1480	GB	38
			165	251	376							0.92	461	56C	SSHF-918-20-B5-H	SSGHF2018AH	1278	GB	30
88	20:1			323	484	645						1.06	684	56C	SSHF-921-20-B5-H	SSGHF2021AH	1480	GB	38
						609	913	1218				2.15	1309	56C	SSHF-926-20-B5-H	SSGHF2026AH	2130	GB	60
			216	327								0.72	470	56C	SSHF-918-30-B5-H	SSGHF3018AH	1278	GB	30
58	30:1		275	416	624							0.83	691	56C	SSHF-921-30-B5-H	SSGHF3021AH	1480	GB	38
					641	854	1281					1.54	1313	56C	SSHF-926-30-B5-H	SSGHF3026AH	2130	GB	60
		180	238	360								0.64	461	56C	SSHF-918-40-B5-H	SSGHF4018AH	1278	GB	30
44	40:1		340	515								0.66	680	56C	SSHF-921-40-B5-H	SSGHF4021AH	1480	GB	38
				524	786	1049						1.23	1296	56C	SSHF-926-40-B5-H	SSGHF4026AH	2130	GB	60
				524	786	1049						1.23	1296	140TC	SSHF-926-40-B7-H	SSGHF4026BH	2130	GB	60
35	50:1	222	294									0.49	436	56C	SSHF-918-50-B5-H	SSGHF5018AH	1278	GB	30
		280	370	561								0.58	651	56C	SSHF-921-50-B5-H	SSGHF5021AH	1480	GB	38
		220	290									0.47	413	56C	SSHF-918-60-B5-H	SSGHF6018AH	1278	GB	30
29	60:1	317	418	634								0.50	634	56C	SSHF-921-60-B5-H	SSGHF6021AH	1480	GB	38
			473	716	1074							0.82	1166	56C	SSHF-926-60-B5-H	SSGHF6026AH	2130	GB	60

NOTE: Service Class I Torque Ratings (1.0 Service Factor)
 Service Class II Torque Ratings (≥ 1.4 Service Factor)
 Service Class III Torque Ratings (≥ 2.0 Service Factor)

Refer to Brochure CA1600 for Dimensions and Engineering Information.
See notes on pages 8 and 9, and inside back flap.

Vertical motor below gearhead not recommended. Avoiding those positions where the high speed oil seal is immersed in oil, will provide greater security against high speed input seal wear.

Horizontal bases, SSB18H71, SSB21H71 and SSB26H71, are available, see page 291

Washdown - Right Angle - Quill Type Solid Shaft



WDFG1018AG Shown

1.33 thru 3.25 CD

56C thru 140TC

Applications: Food processing and other applications regularly exposed to high pressure washdown.

Features: Epoxy coated, heavy-duty cast iron housing. Stainless steel output shaft and hardware. Sealed housing, provides maintenance-free, lubed for life operation. Pre-filled with food grade (H1) Klubersynth synthetic oil. Industry standard mounting dimensionally interchangeable with many other worm gear reducers. BISSC certified (Baking Industry Sanitation Standards Committee).

Nominal Output RPM @ 1750 RPM In	Gear Ratio	Continuous Duty Output Torque (In-Lbs) Based on 1750 RPM Motor										Max Input Hp	Max Output Torque Rating In-Lbs	NEMA Motor Mount	Style Number	Catalog Number	List Price	Mult. Sym.	Ap'x Shpg. Wgt.
		0.25	0.33	0.5	0.75	1	1.5	2	3	5	7.5								
350	5:1					160	240	320				2.00	320	56C	WDF-918-05-B5-G	WDFG0518AG	486	GB	30
175	10:1		82	125	187							0.90	225	56C	WDF-913-10-B5-G	WDFG1013AG	452	GB	20
				141	211	282						1.03	290	56C	WDF-915-10-B5-G	WDFG1015AG	477	GB	25
				141	211	282						1.03	290	140TC	WDF-915-10-B7-G	WDFG1015BG	477	GB	25
					214	285	428					1.50	428	56C	WDF-918-10-B5-G	WDFG1018AG	486	GB	30
						312	468	624				2.20	630	56C	WDF-921-10-B5-G	WDFG1021AG	599	GB	35
						317	475	634				2.73	893	140TC	WDF-924-10-B7-G	WDFG1024BG	701	GB	40
117	15:1	89	118	179								0.66	225	56C	WDF-913-15-B5-G	WDFG1513AG	452	GB	20
			127	193	289							0.81	312	56C	WDF-915-15-B5-G	WDFG1515AG	477	GB	25
				209	314	419						1.07	448	56C	WDF-918-15-B5-G	WDFG1518AG	486	GB	30
				246	369	492						1.35	664	56C	WDF-921-15-B5-G	WDFG1521AG	599	GB	35
						470	705	939				2.11	992	56C	WDF-924-15-B5-G	WDFG1524AG	701	GB	40
												0.53	239	56C	WDF-913-20-B5-G	WDFG2013AG	452	GB	20
88	20:1	113	149	226								0.62	317	56C	WDF-915-20-B5-G	WDFG2015AG	477	GB	25
		128	169	256								0.92	461	56C	WDF-918-20-B5-G	WDFG2018AG	486	GB	30
			165	251	376							2.15	1309	140TC	WDF-926-20-B7-G	WDFG2026BG	801	GB	55
						609	913	1218				0.72	470	56C	WDF-918-30-B5-G	WDFG3018AG	486	GB	30
58	30:1		216	327								0.83	691	56C	WDF-921-30-B5-G	WDFG3021AG	599	GB	35
			275	416	624							1.32	111	56C	WDF-924-30-B5-G	WDFG3024AG	701	GB	40
				420	630	840						1.54	1313	56C	WDF-926-30-B5-G	WDFG3026AG	801	GB	55
					641	854	1281					2.81	2462	140TC	WDF-932-30-B7-G	WDFG3032BG	1177	GB	87
						881	1322	1763				0.44	317	56C	WDF-915-40-B5-G	WDFG4015AG	477	GB	25
44	40:1	208	275									0.64	461	56C	WDF-918-40-B5-G	WDFG4018AG	486	GB	30
		180	238	360								0.66	680	56C	WDF-921-40-B5-G	WDFG4021AG	599	GB	35
			340	515								0.99	1030	56C	WDF-924-40-B5-G	WDFG4024AG	701	GB	40
				521	781							1.23	1296	56C	WDF-926-40-B5-G	WDFG4026AG	801	GB	55
				524	786	1049						2.20	2374	140TC	WDF-932-40-B7-G	WDFG4032BG	1177	GB	87
						1081	1622	2163				0.33	234	56C	WDF-913-50-B5-G	WDFG5013AG	452	GB	20
35	50:1	177	234									0.33	303	56C	WDF-915-50-B5-G	WDFG5015AG	477	GB	25
		230	303									0.58	651	56C	WDF-921-50-B5-G	WDFG5021AG	599	GB	35
		280	370	561								0.83	1014	56C	WDF-924-50-B5-G	WDFG5024AG	701	GB	40
			401	608	912							1.00	1242	56C	WDF-926-50-B5-G	WDFG5026AG	801	GB	55
				621	932	1242						1.83	2366	140TC	WDF-932-50-B7-G	WDFG5032BG	1177	GB	87
					958	1278	1917					0.33	288	56C	WDF-915-60-B5-G	WDFG6015AG	477	GB	25
29	60:1	218	288									0.47	413	56C	WDF-918-60-B5-G	WDFG6018AG	486	GB	30
		220	290									0.50	634	56C	WDF-921-60-B5-G	WDFG6021AG	599	GB	35
		317	418	634								0.69	956	56C	WDF-924-60-B5-G	WDFG6024AG	701	GB	40
			458	693								0.82	1166	56C	WDF-926-60-B5-G	WDFG6026AG	801	GB	55
			473	716	1074							1.54	2255	56C	WDF-932-60-B5-G	WDFG6032AG	1177	GB	87
					1100	1467	2200												

NOTE: Service Class I Torque Ratings (1.0 Service Factor)
 Service Class II Torque Ratings (≥ 1.4 Service Factor)
 Service Class III Torque Ratings (≥ 2.0 Service Factor)

See notes on pages 8 and 9, and inside back flap.
 Vertical motor below gearhead not recommended. Avoiding those positions where the high speed oil seal is immersed in oil, will provide greater security against high speed input seal wear.

**900 Series - Right
Angle - Coupling
Type - Solid Shaft**

GLF1018AG Shown

1.33 thru 3.75 CD**56C thru 180TC**

Applications: Ideal for conveyors, material handling, textile machines, packaging machinery, etc. (slow speed and high torque).

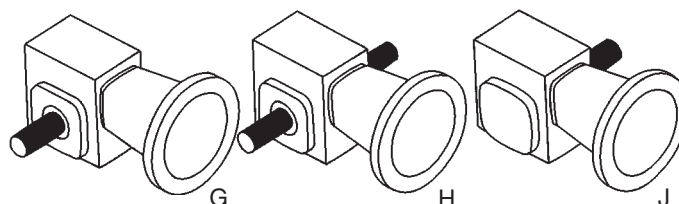
Features: Heavy duty cast iron housings, chill cast bronze gears, precision ground hardened worm, ball bearings on input shaft, tapered roller bearings on output shaft. Industry-standard mounting dimensions. Pre-filled with food grade (H1) Klubersynth UH1-6-460 synthetic oil, sealed housing provides maintenance-free lubed for life operation. Motor coupling included.

Nominal Output RPM @ 1750 RPM In	Gear Ratio	Continuous Duty Output Torque (In-Lbs) Based on 1750 RPM Motor										Max Input Hp	Max Output Torque Rating In-Lbs	NEMA Motor Mount	Style Number	Catalog Number	List Price	Mult. Sym.	Ap'x Shpg. Wgt.
		0.25	0.33	0.5	0.75	1	1.5	2	3	5	7.5								
350	5:1				115	154	231					1.50	231	56C	LF-915-05-B5-G	GLF0515AG	403	GB	30
223	7.5:1					237	356	474				2.70	640	56C	LF-921-7.5-B5-G	GLF0821AG	511	GB	38
						237	356	474				2.70	640	56C	LF-921-7.5-B5-J	GLF0821AJ	511	GB	38
						237	356	474				2.70	640	140TC	LF-921-7.5-B7-G	GLF0821BG	511	GB	38
								501	752			4.30	1079	140TC	LF-926-7.5-B7-G	GLF0826BG	701	GB	60
								501	752			4.30	1079	180TC	LF-926-7.5-B9-G	GLF0826CG	701	GB	60
175	10:1				214	285	428					1.50	428	56C	LF-918-10-B5-G	GLF1018AG	414	GB	32
						312	468	624				2.02	630	56C	LF-921-10-B5-G	GLF1021AG	511	GB	38
						312	468	624				2.02	630	140TC	LF-921-10-B7-G	GLF1021BG	511	GB	38
						312	468	624				2.02	630	140TC	LF-921-10-B7-J	GLF1021BJ	511	GB	38
						317	475	634				2.73	893	140TC	LF-924-10-B7-G	GLF1024BG	600	GB	45
								655	983			3.59	1177	140TC	LF-926-10-B7-G	GLF1026BG	701	GB	60
								655	983			3.59	1177	180TC	LF-926-10-B9-G	GLF1026CG	701	GB	60
									990	1649		6.36	2106	180TC	LF-932-10-B9-G	GLF1032CG	1023	GB	100
117	15:1	89	118	179								0.66	2228	56C	LF-913-15-B5-G	GLF1513AG	371	GB	20
				246	369	492						1.35	664	56C	LF-921-15-B5-G	GLF1521AG	511	GB	38
				246	369	492						1.35	664	56C	LF-921-15-B5-J	GLF1521AJ	511	GB	38
						473	710	947				2.58	1225	140TC	LF-926-15-B7-G	GLF1526BG	701	GB	60
						473	710	947				2.58	1225	140TC	LF-926-15-B7-J	GLF1526BJ	701	GB	60
								959	1438			4.66	2241	180TC	LF-932-15-B9-G	GLF1532CG	1023	GB	100
								959	1438			4.66	2241	180TC	LF-932-15-B9-J	GLF1532CJ	1023	GB	100
									1409	2349		6.64	3118	180TC	LF-938-15-B9-G	GLF1538CG	1249	GB	130
88	20:1	113	149	226								0.53	239	56C	LF-913-20-B5-G	GLF2013AG	371	GB	20
			165	251	376							0.92	464	56C	LF-918-20-B5-G	GLF2018AG	414	GB	32
				323	484	645						1.06	684	56C	LF-921-20-B5-G	GLF2021AG	511	GB	38

NOTE: Service Class I Torque Ratings (1.0 Service Factor)
 Service Class II Torque Ratings (≥ 1.4 Service Factor)
 Service Class III Torque Ratings (≥ 2.0 Service Factor)

Optional Shaft Positions, Base Installation and Motor Mounting available through Mod Express. Refer to a Baldor District Office for pricing and delivery. See notes on pages 8 and 9, and inside back flap.

Vertical motor below gearhead not recommended. Avoiding those positions where the high speed oil seal is immersed in oil, will provide greater security against high speed input seal wear.

Assembly Types

900 Series - Right Angle - Coupling Type - Solid Shaft continued...

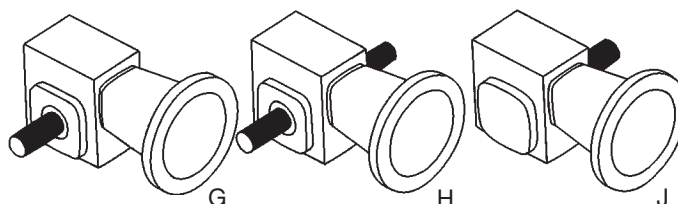
Nominal Output RPM @ 1750 RPM In	Gear Ratio	Continuous Duty Output Torque (In-Lbs) Based on 1750 RPM Motor										Max Input Hp	Max Output Torque Rating In-Lbs	NEMA Motor Mount	Style Number	Catalog Number	List Price	Mult. Sym.	Ap'x Shpg. Wgt.
		0.25	0.33	0.5	0.75	1	1.5	2	3	5	7.5								
88	20:1			323	484	645						1.06	684	56C	LF-921-20-B5-J	GLF2021AJ	511	GB	38
						609	913	1218				2.15	1308	140TC	LF-926-20-B7-G	GLF2026BG	701	GB	60
						609	913	1218				2.15	1308	140TC	LF-926-20-B7-J	GLF2026BJ	701	GB	60
							924	1232	1848			3.85	2383	180TC	LF-932-20-B9-G	GLF2032CG	1023	GB	100
70	25:1	156	296	312								0.51	318	56C	LF-915-25-B5-G	GLF2515AG	403	GB	30
			183	277	416							0.80	444	56C	LF-918-25-B5-B	GLF2518AG	414	GB	32
			250	379	549							0.89	675	56C	LF-921-25-B5-G	GLF2521AG	511	GB	38
			250	379	569							0.89	675	56C	LF-921-25-B5-J	GLF2521AJ	511	GB	38
					567	756	1134					1.73	1307	56C	LF-926-25-B5-G	GLF2526AG	701	GB	60
					567	756	1134					1.73	1307	140TC	LF-926-25-B7-G	GLF2526BG	701	GB	60
					567	756	1134					1.73	1307	140TC	LF-926-25-B7-J	GLF2526BJ	701	GB	60
							1134	1513	2269			3.13	2355	140TC	LF-932-25-B7-G	GLF2532BG	1023	GB	100
							1134	1513	2269			3.13	2355	180TC	LF-932-25-B9-G	GLF2532CG	1023	GB	100
							1134	1513	2269			3.13	2355	180TC	LF-932-25-B9-J	GLF2532CJ	1023	GB	100
58	30:1	148	195									0.42	248	56C	LF-913-30-B5-G	GLF3013AG	371	GB	20
		159	210	318								0.50	318	56C	LF-915-30-B5-G	GLF3015AG	403	GB	30
			216	327								0.72	470	56C	LF-918-30-B5-G	GLF3018AG	414	GB	32
			216	327								0.72	470	56C	LF-918-30-B5-J	GLF3018AJ	414	GB	32
			275	416	624							0.83	691	56C	LF-921-30-B5-G	GLF3021AG	511	GB	38
				420	630	840						1.32	1111	56C	LF-924-30-B5-G	GLF3024AG	600	GB	45
					641	854	1281					1.54	1313	140TC	LF-926-30-B7-G	GLF3026BG	701	GB	60
					641	854	1281					1.54	1313	140TC	LF-926-30-B7-J	GLF3026BJ	701	GB	60
						881	1322	1763				2.81	2482	180TC	LF-932-30-B9-G	GLF3032CG	1023	GB	100
							1626	2438				3.97	3226	180TC	LF-938-30-B9-G	GLF3038CG	1249	GB	130
44	40:1	180	238	360								0.64	461	56C	LF-918-40-B5-G	GLF4018AG	414	GB	32
			340	515								0.66	680	56C	LF-921-40-B5-G	GLF4021AG	511	GB	38
				521	781							0.99	1030	56C	LF-924-40-B5-G	GLF4024AG	600	GB	45
				524	786	1049						1.23	1296	56C	LF-926-40-B5-G	GLF4026AG	701	GB	60
						1180	1620	2160				2.20	2374	140TC	LF-932-40-B7-G	GLF4032BG	1023	GB	100
						1596	2129	3192				3.00	3192	180TC	LF-938-40-B9-G	GLF4038CG	1249	GB	130
35	50:1	280	370	561								0.58	651	56C	LF-921-50-B5-G	GLF5021AG	511	GB	38
				621	932	1242						1.00	1242	56C	LF-926-50-B5-G	GLF5026AG	701	GB	60
29	60:1	218	288									0.33	288	56C	LF-915-60-B5-G	GLF6015AG	403	GB	30
		220	290									0.47	413	56C	LF-918-60-B5-G	GLF6018AG	414	GB	32
		317	418	634								0.50	634	56C	LF-921-60-B5-G	GLF6021AG	511	GB	38
			473	716	1074							0.82	1166	56C	LF-926-60-B5-G	GLF6026AG	701	GB	60
					1100	1467	2200					1.54	2255	56C	LF-932-60-B5-G	GLF6032AG	1023	GB	100
					1100	1467	2200					1.54	2255	140TC	LF-932-60-B7-G	GLF6032BG	1023	GB	100

NOTE: Service Class I Torque Ratings (1.0 Service Factor)
 Service Class II Torque Ratings (≥ 1.4 Service Factor)
 Service Class III Torque Ratings (≥ 2.0 Service Factor)

Suffix G = Left hand output facing input
J = Right hand output facing input
H = Double Output Shaft

Vertical motor below gearhead not recommended. Avoiding those positions where the high speed oil seal is immersed in oil, will provide greater security against high speed input seal wear.

Assembly Types



**900 Series - Right
Angle - Solid Shaft****1.33 thru 2.62 CD**

GS3018G Shown

Applications: Ideal for conveyors, material handling, textile machines, packaging machinery and more. Suitable for direct coupling or belted input (slow speed and high torque).

Features: Heavy duty cast iron housings, chill cast bronze gears, precision ground hardened worm, ball bearings on input shaft, tapered roller bearings on output shaft. Industry-standard mounting dimensions. Pre-filled with food grade (H1) Klubersynth UH1-6-460 synthetic oil, sealed housing provides maintenance-free lubed for life operation.

Nominal Output RPM @ 1750 RPM In	Gear Ratio	Continuous Duty Output Torque (In-Lbs) Based on 1750 RPM Motor										Max Input Hp	Max Output Torque Rating In-Lbs	Style Number	Catalog Number	List Price	Mult. Sym.	Ap'x Shpg. Wgt.
		0.25	0.33	0.5	0.75	1	1.5	2	3	5	7.5							
175	10:1				214	285	428					1.50	428	S-918-10-G	GS1018G	346	GB	25
						312	468	624				2.02	630	S-921-10-G	GS1021G	409	GB	28
								492	655			3.59	1177	S-926-10-G	GS1026G	575	GB	50
117	15:1	96	127	193								0.66	225	S-915-15-G	GS1515G	342	GB	21
				209	314	419						1.07	448	S-918-15-G	GS1518G	346	GB	25
				246	369	492						1.35	664	S-921-15-G	GS1521G	409	GB	28
88	20:1		165	251	376							0.92	461	S-918-20-G	GS2018G	346	GB	25
				323	484	645						1.06	684	S-921-20-G	GS2021G	409	GB	28
					451	602	902					1.72	1038	S-924-20-G	GS2024G	509	GB	38
						609	913	1218				2.15	1308	S-926-20-G	GS2026G	575	GB	50
		156	206	312								0.51	318	S-915-25-G	GS2515G	342	GB	21
58	30:1	148	195									0.42	248	S-913-30-G	GS3013G	331	GB	18
			216	327								0.72	470	S-918-30-G	GS3018G	346	GB	25
			275	416	624							0.83	691	S-921-30-G	GS3021G	409	GB	28
					641	854	1281					1.54	1313	S-926-30-G	GS3026G	575	GB	50
44	40:1	208	275									0.38	317	S-915-40-G	GS4015G	342	GB	21
		180	238	360								0.64	461	S-918-40-G	GS4018G	346	GB	25
			340	515								0.66	680	S-921-40-G	GS4021G	409	GB	28
				524	786	1049						1.23	1296	S-926-40-G	GS4026G	575	GB	50
35	50:1	222	294									0.49	436	S-918-50-G	GS5018G	346	GB	25
		280	370	561								0.59	651	S-921-50-G	GS5021G	409	GB	28
				621	932	1242						1.00	1242	S-926-50-G	GS5026G	575	GB	50
29	60:1	179										0.28	201	S-913-60-G	GS6013G	331	GB	18
		218	288									0.33	288	S-915-60-G	GS6015G	342	GB	21
		220	290									0.47	413	S-918-60-G	GS6018G	346	GB	25
		317	418	634								0.50	634	S-921-60-G	GS6021G	409	GB	28
			458	693								0.69	958	S-924-60-G	GS6024G	509	GB	38
		473	716	1074								0.82	1166	S-926-60-G	GS6026G	575	GB	50

NOTE: Service Class I Torque Ratings (1.0 Service Factor)
 Service Class II Torque Ratings (≥ 1.4 Service Factor)
 Service Class III Torque Ratings (≥ 2.0 Service Factor)

Optional Shaft Positions and Base Installation available through Mod Express. Refer to a Baldor District Office for pricing and delivery. See notes on pages 8 and 9, and inside back flap.

Vertical motor below gearhead not recommended. Avoiding those positions where the high speed oil seal is immersed in oil, will provide greater security against high speed input seal wear.

1/4 Horsepower Stock Gear-Motors



Baldor has pre-selected and assembled our stock 900 Series* speed reducers to our most stock popular single-phase, three-phase and DC Industrial motors. These pre-assembled *Gear-Motors* offer a variety of output torques and output speeds to fit most industrial applications. To order select the desired output speed and torque or speed and input horsepower, then choose the corresponding Baldor catalog number. Your *Gear-Motor* will ship in one package, pre-assembled from the factory within 48 hours.

RPM	Service Factor	Output Torque In. Lbs.	Max. Overhung Load Rating	Ratio	NEMA Input	Catalog Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.
TEFC, 1 Phase 115/230 Volt									
350	4.40	37	240	5:1	56C	GF0513AGA25	616	GB	40
175	3.60	62	240	10:1	56C	GF1013AGA25	616	GB	40
117	2.60	85	240	15:1	56C	GF1513AGA25	616	GB	40
88	2.10	112	240	20:1	56C	GF2013AGA25	616	GB	40
70	2.00	119	240	25:1	56C	GF2513AGA25	616	GB	40
58	1.70	147	240	30:1	56C	GF3013AGA25	616	GB	40
44	1.30	174	240	40:1	56C	GF4013AGA25	616	GB	40
35	1.30	229	300	50:1	56C	GF5015AGA25	643	GB	45
29	1.30	218	300	60:1	56C	GF6015AGA25	643	GB	45
TEFC, 3 Phase 230/460 Volt									
350	4.40	37	240	5:1	56C	GF0513AGB25	591	GB	39
175	3.60	62	240	10:1	56C	GF1013AGB25	591	GB	39
117	2.60	85	240	15:1	56C	GF1513AGB25	591	GB	39
88	2.10	112	240	20:1	56C	GF2013AGB25	591	GB	39
70	2.00	119	240	25:1	56C	GF2513AGB25	591	GB	39
58	1.70	147	240	30:1	56C	GF3013AGB25	591	GB	39
44	1.30	174	240	40:1	56C	GF4013AGB25	591	GB	39
35	1.30	229	300	50:1	56C	GF5015AGB25	617	GB	44
29	1.30	218	300	60:1	56C	GF6015AGB25	617	GB	44
TENV, DC SCR, 90 Volts									
350	4.40	37	240	5:1	56C	GF0513AGC25	798	GB	44
175	3.60	62	240	10:1	56C	GF1013AGC25	798	GB	44
117	2.60	85	240	15:1	56C	GF1513AGC25	798	GB	44
88	2.10	112	240	20:1	56C	GF2013AGC25	798	GB	44
70	2.00	119	240	25:1	56C	GF2513AGC25	798	GB	44
58	1.70	147	240	30:1	56C	GF3013AGC25	798	GB	44
44	1.30	174	240	40:1	56C	GF4013AGC25	798	GB	44
35	1.30	229	300	50:1	56C	GF5015AGC25	825	GB	49
29	1.30	218	300	60:1	56C	GF6015AGC25	825	GB	49
TENV, DC SCR, 180 Volts									
350	4.40	37	240	5:1	56C	GF0513AGD25	798	GB	44
175	3.60	62	240	10:1	56C	GF1013AGD25	798	GB	44
117	2.60	85	240	15:1	56C	GF1513AGD25	798	GB	44
88	2.10	112	240	20:1	56C	GF2013AGD25	798	GB	44
70	2.00	119	240	25:1	56C	GF2513AGD25	798	GB	44
58	1.70	147	240	30:1	56C	GF3013AGD25	798	GB	44
44	1.30	174	240	40:1	56C	GF4013AGD25	798	GB	44
35	1.30	229	300	50:1	56C	GF5015AGD25	825	GB	49
29	1.30	218	300	60:1	56C	GF6015AGD25	825	GB	49

NOTE: *See pages 272-283 for 900 Series features.

**1/3 Horsepower
Stock Gear-Motors**

Baldor has pre-selected and assembled our stock 900 Series* speed reducers to our most stock popular single-phase, three-phase and DC Industrial motors. These pre-assembled *Gear-Motors* offer a variety of output torques and output speeds to fit most industrial applications. To order select the desired output speed and torque or speed and input horsepower, then choose the corresponding Baldor catalog number. Your *Gear-Motor* will ship in one package, pre-assembled from the factory within 48 hours.

RPM	Service Factor	Output Torque In. Lbs.	Max. Overhung Load Rating	Ratio	NEMA Input	Catalog Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.
TEFC, 1 Phase 115/230 Volt									
350	3.30	49	240	5:1	56C	GF0513AGA33	629	GB	42
175	2.70	82	240	10:1	56C	GF1013AGA33	629	GB	42
117	2.00	113	240	15:1	56C	GF1513AGA33	629	GB	42
88	1.60	148	240	20:1	56C	GF2013AGA33	629	GB	42
70	1.50	157	240	25:1	56C	GF2513AGA33	629	GB	42
58	1.50	209	300	30:1	56C	GF3015AGA33	656	GB	47
44	1.90	237	600	40:1	56C	GF4018AGA33	664	GB	52
35	1.50	293	600	50:1	56C	GF5018AGA33	664	GB	52
29	1.60	289	600	60:1	56C	GF6018AGA33	664	GB	52
TEFC, 3 Phase, 230/460 Volt									
350	3.30	49	240	5:1	56C	GF0513AGB33	607	GB	42
175	2.70	82	240	10:1	56C	GF1013AGB33	607	GB	42
117	2.00	113	240	15:1	56C	GF1513AGB33	607	GB	42
88	1.60	148	240	20:1	56C	GF2013AGB33	607	GB	42
70	1.50	157	240	25:1	56C	GF2513AGB33	607	GB	42
58	1.50	209	300	30:1	56C	GF3015AGB33	633	GB	47
44	1.90	237	600	40:1	56C	GF4018AGB33	642	GB	52
35	1.50	293	600	50:1	56C	GF5018AGB33	642	GB	52
29	1.60	289	600	60:1	56C	GF6018AGB33	642	GB	52
TENV, DC SCR, 90 Volt									
350	3.30	49	240	5:1	56C	GF0513AGC33	823	GB	47
175	2.70	82	240	10:1	56C	GF1013AGC33	823	GB	47
117	2.00	113	240	15:1	56C	GF1513AGC33	823	GB	47
88	1.60	148	240	20:1	56C	GF2013AGC33	823	GB	47
70	1.50	157	240	25:1	56C	GF2513AGC33	823	GB	47
58	1.50	209	300	30:1	56C	GF3015AGC33	851	GB	52
44	1.90	237	600	40:1	56C	GF4018AGC33	859	GB	57
35	1.50	293	600	50:1	56C	GF5018AGC33	859	GB	57
29	1.60	289	600	60:1	56C	GF6018AGC33	859	GB	57
TENV, DC SCR, 180 Volt									
350	3.30	49	240	5:1	56C	GF0513AGD33	823	GB	47
175	2.70	82	240	10:1	56C	GF1013AGD33	823	GB	47
117	2.00	113	240	15:1	56C	GF1513AGD33	823	GB	47
88	1.60	148	240	20:1	56C	GF2013AGD33	823	GB	47
70	1.50	157	240	25:1	56C	GF2513AGD33	823	GB	47
58	1.50	209	300	30:1	56C	GF3015AGD33	851	GB	52
44	1.90	237	600	40:1	56C	GF4018AGD33	859	GB	57
35	1.50	293	600	50:1	56C	GF5018AGD33	859	GB	57
29	1.60	289	600	60:1	56C	GF6018AGD33	859	GB	57

NOTE: *See pages 267-271 for 900 Series features.

1/2 Horsepower Stock Gear-Motors



Baldor has pre-selected and assembled our stock 900 Series* speed reducers to our most stock popular single-phase, three-phase and DC Industrial motors. These pre-assembled *Gear-Motors* offer a variety of output torques and output speeds to fit most industrial applications. To order select the desired output speed and torque or speed and input horsepower, then choose the corresponding Baldor catalog number. Your *Gear-Motor* will ship in one package, pre-assembled from the factory within 48 hours.

RPM	Service Factor	Output Torque In. Lbs.	Max. Overhung Load Rating	Ratio	NEMA Input	Catalog Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.
TEFC, 1 Phase 115/230 Volt									
350	2.20	74	240	5:1	56C	GF0513AGA50	674	GB	47
175	1.80	125	240	10:1	56C	GF1013AGA50	674	GB	47
117	1.60	192	300	15:1	56C	GF1515AGA50	700	GB	52
88	1.80	250	600	20:1	56C	GF2018AGA50	709	GB	57
70	1.60	278	600	25:1	56C	GF2518AGA50	709	GB	57
58	1.40	326	600	30:1	56C	GF3018AGA50	709	GB	57
44	1.30	515	750	40:1	56C	GF4021AGA50	808	GB	62
35	1.66	610	1000	50:1	56C	GF5024AGA50	898	GB	67
29	1.40	694	1000	60:1	56C	GF6024AGA50	898	GB	67
TEFC, 3 Phase, 230/460 Volt									
350	2.20	74	240	5:1	56C	GF0513AGB50	649	GB	43
175	1.80	125	240	10:1	56C	GF1013AGB50	649	GB	43
117	1.60	192	300	15:1	56C	GF1515AGB50	676	GB	48
88	1.80	250	600	20:1	56C	GF2018AGB50	684	GB	53
70	1.60	278	600	25:1	56C	GF2518AGB50	684	GB	53
58	1.40	326	600	30:1	56C	GF3018AGB50	684	GB	53
44	1.30	515	750	40:1	56C	GF4021AGB50	784	GB	58
35	1.66	610	1000	50:1	56C	GF5024AGB50	874	GB	63
29	1.40	694	1000	60:1	56C	GF6024AGB50	874	GB	63
ENV, DC SCR, 90 Volt									
350	2.20	74	240	5:1	56C	GF0513AGC50	878	GB	52
175	1.80	125	240	10:1	56C	GF1013AGC50	878	GB	52
117	1.60	192	300	15:1	56C	GF1515AGC50	905	GB	57
88	1.80	250	600	20:1	56C	GF2018AGC50	914	GB	62
70	1.60	278	600	25:1	56C	GF2518AGC50	914	GB	62
58	1.40	326	600	30:1	56C	GF3018AGC50	914	GB	62
44	1.30	515	750	40:1	56C	GF4021AGC50	1013	GB	67
35	1.66	610	1000	50:1	56C	GF5024AGC50	1103	GB	72
29	1.40	694	1000	60:1	56C	GF6024AGC50	1103	GB	72
TENV, DC SCR, 180 Volt									
350	2.20	74	240	5:1	56C	GF0513AGD50	878	GB	51
175	1.80	125	240	10:1	56C	GF1013AGD50	878	GB	51
117	1.60	192	300	15:1	56C	GF1515AGD50	905	GB	56
88	1.80	250	600	20:1	56C	GF2018AGD50	914	GB	61
70	1.60	278	600	25:1	56C	GF2518AGD50	914	GB	61
58	1.40	326	600	30:1	56C	GF3018AGD50	914	GB	61
44	1.30	515	750	40:1	56C	GF4021AGD50	1013	GB	66
35	1.66	610	1000	50:1	56C	GF5024AGD50	1103	GB	71
29	1.40	694	1000	60:1	56C	GF6024AGD50	1103	GB	71

NOTE: *See pages 267-271 for 900 Series features.

**3/4 Horsepower
Stock Gear-Motors**

Baldor has pre-selected and assembled our stock 900 Series* speed reducers to our most stock popular single-phase, three-phase and DC Industrial motors. These pre-assembled *Gear-Motors* offer a variety of output torques and output speeds to fit most industrial applications. To order select the desired output speed and torque or speed and input horsepower, then choose the corresponding Baldor catalog number. Your *Gear-Motor* will ship in one package, pre-assembled from the factory within 48 hours.

RPM	Service Factor	Output Torque In. Lbs.	Max. Overhung Load Rating	Ratio	NEMA Input	Catalog Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.
TEFC, 1 Phase 115/230 Volt									
350	1.50	111	240	5:1	56C	GF0513AGA75	729	GB	54
175	1.20	187	240	10:1	56C	GF1013AGA75	729	GB	54
117	1.40	360	600	15:1	56C	GF1518AGA75	765	GB	64
88	1.20	375	600	20:1	56C	GF2018AGA75	765	GB	64
70	1.20	568	750	25:1	56C	GF2521AGA75	863	GB	69
58	1.10	624	750	30:1	56C	GF3021AGA75	863	GB	69
44	1.30	780	1000	40:1	56C	GF4024AGA75	953	GB	74
35	1.10	916	1000	50:1	56C	GF5024AGA75	953	GB	74
29	1.10	1066	1000	60:1	56C	GF6026AGA75	998	GB	74
TEFC, 3 Phase, 230/460 Volt									
350	1.50	111	240	5:1	56C	GF0513AGB75	669	GB	45
175	1.20	187	240	10:1	56C	GF1013AGB75	669	GB	45
117	1.40	360	600	15:1	56C	GF1518AGB75	704	GB	55
88	1.20	375	600	20:1	56C	GF2018AGB75	704	GB	55
70	1.20	568	750	25:1	56C	GF2521AGB75	804	GB	60
58	1.10	624	750	30:1	56C	GF3021AGB75	804	GB	60
44	1.30	780	1000	40:1	56C	GF4024AGB75	894	GB	65
35	1.10	916	1000	50:1	56C	GF5024AGB75	894	GB	65
29	1.10	1066	1000	60:1	56C	GF6026AGB75	941	GB	65
TENV, DC SCR, 90 Volt									
350	1.50	111	240	5:1	56C	GF0513AGC75	988	GB	59
175	1.20	187	240	10:1	56C	GF1013AGC75	988	GB	59
117	1.40	360	600	15:1	56C	GF1518AGC75	1023	GB	69
88	1.20	375	600	20:1	56C	GF2018AGC75	1023	GB	69
70	1.20	568	750	25:1	56C	GF2521AGC75	1123	GB	74
58	1.10	624	750	30:1	56C	GF3021AGC75	1123	GB	74
44	1.30	780	1000	40:1	56C	GF4024AGC75	1213	GB	79
35	1.10	916	1000	50:1	56C	GF5024AGC75	1213	GB	79
29	1.10	1066	1000	60:1	56C	GF6026AGC75	1245	GB	79
TENV, DC SCR, 180 Volt									
350	1.50	111	240	5:1	56C	GF0513AGD75	988	GB	59
175	1.20	187	240	10:1	56C	GF1013AGD75	988	GB	59
117	1.40	360	600	15:1	56C	GF1518AGD75	1023	GB	69
88	1.20	375	600	20:1	56C	GF2018AGD75	1023	GB	69
70	1.20	568	750	25:1	56C	GF2521AGD75	1123	GB	74
58	1.10	624	750	30:1	56C	GF3021AGD75	1123	GB	74
44	1.30	780	1000	40:1	56C	GF4024AGD75	1213	GB	79
35	1.10	916	1000	50:1	56C	GF5024AGD75	1213	GB	79
29	1.10	1066	1000	60:1	56C	GF6026AGD75	1245	GB	79

NOTE: *See pages 267-271 for 900 Series features.

1 Horsepower Stock Gear-Motors



Baldor has pre-selected and assembled our stock 900 Series* speed reducers to our most stock popular single-phase, three-phase and DC Industrial motors. These pre-assembled *Gear-Motors* offer a variety of output torques and output speeds to fit most industrial applications. To order select the desired output speed and torque or speed and input horsepower, then choose the corresponding Baldor catalog number. Your *Gear-Motor* will ship in one package, pre-assembled from the factory within 48 hours.

RPM	Service Factor	Output Torque In. Lbs.	Max. Overhung Load Rating	Ratio	NEMA Input	Catalog Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.
TEFC, 1 Phase 115/230 Volt									
350	1.10	149	240	5:1	56C	GF0513AGA10	784	GB	58
175	1.50	285	600	10:1	56C	GF1018AGA10	819	GB	68
117	1.35	491	750	15:1	56C	GF1521AGA10	918	GB	73
88	1.70	603	1000	20:1	56C	GF2024AGA10	1009	GB	78
70	1.40	730	1000	25:1	56C	GF2524AGA10	1009	GB	78
58	1.30	842	1000	30:1	56C	GF3024AGA10	1009	GB	78
44	1.20	1053	1100	40:1	56C	GF4024AGA10	1009	GB	78
35	1.70	1131	1300	50:1	56C	GF5030AGA10	1348	GB	106
29	1.50	1196	1300	60:1	56C	GF6030AGA10	1348	GB	106
TEFC, 3 Phase, 230/460 Volt									
350	1.10	149	240	5:1	56C	GF0513AGB10	688	GB	50
175	1.50	285	600	10:1	56C	GF1018AGB10	724	GB	60
117	1.35	491	750	15:1	56C	GF1521AGB10	823	GB	65
88	1.70	603	1000	20:1	56C	GF2024AGB10	914	GB	70
70	1.40	730	1000	25:1	56C	GF2524AGB10	914	GB	70
58	1.30	842	1000	30:1	56C	GF3024AGB10	914	GB	70
44	1.20	1053	1100	40:1	56C	GF4024AGB10	914	GB	70
35	1.70	1131	1300	50:1	56C	GF5030AGB10	1253	GB	98
29	1.50	1196	1300	60:1	56C	GF6030AGB10	1253	GB	98
TENV, DC SCR, 90 Volt									
350	1.10	149	240	5:1	56C	GF0513AGC10	1125	GB	64
175	1.50	285	600	10:1	56C	GF1018AGC10	1161	GB	74
117	1.35	491	750	15:1	56C	GF1521AGC10	1260	GB	79
88	1.70	603	1000	20:1	56C	GF2024AGC10	1350	GB	84
70	1.40	730	1000	25:1	56C	GF2524AGC10	1350	GB	84
58	1.30	842	1000	30:1	56C	GF3024AGC10	1350	GB	84
44	1.20	1053	1100	40:1	56C	GF4024AGC10	1350	GB	84
35	1.70	1131	1300	50:1	56C	GF5030AGC10	1689	GB	112
29	1.50	1196	1300	60:1	56C	GF6030AGC10	1689	GB	112
TENV, DC SCR, 180 Volt									
350	1.10	149	240	5:1	56C	GF0513AGD10	1125	GB	64
175	1.50	285	600	10:1	56C	GF1018AGD10	1161	GB	74
117	1.35	491	750	15:1	56C	GF1521AGD10	1260	GB	79
88	1.70	603	1000	20:1	56C	GF2024AGD10	1350	GB	84
70	1.40	730	1000	25:1	56C	GF2524AGD10	1350	GB	84
58	1.30	842	1000	30:1	56C	GF3024AGD10	1350	GB	84
44	1.20	1053	1100	40:1	56C	GF4024AGD10	1350	GB	84
35	1.70	1131	1300	50:1	56C	GF5030AGD10	1689	GB	112
29	1.50	1196	1300	60:1	56C	GF6030AGD10	1689	GB	112

NOTE: *See pages 267-271 for 900 Series features.

**1-1/2 Horsepower
Stock Gear-Motors**

Baldor has pre-selected and assembled our stock 900 Series* speed reducers to our most stock popular single-phase, three-phase and DC Industrial motors. These pre-assembled *Gear-Motors* offer a variety of output torques and output speeds to fit most industrial applications. To order select the desired output speed and torque or speed and input horsepower, then choose the corresponding Baldor catalog number. Your *Gear-Motor* will ship in one package, pre-assembled from the factory within 48 hours.

RPM	Service Factor	Output Torque In. Lbs.	Max. Overhung Load Rating	Ratio	NEMA Input	Catalog Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.
TEFC, 1 Phase 115/230 Volt									
350	1.30	240	600	5:1	56C	GF0518AGA15	873	GB	77
175	1.30	468	750	10:1	56C	GF1018AGA15	873	GB	77
117	1.40	705	1000	15:1	56C	GF1524AGA15	1062	GB	87
88	1.10	905	1000	20:1	56C	GF2024AGA15	1062	GB	87
70	1.20	1133	1100	25:1	140TC	GF2526BGA15	1156	GB	102
58	1.60	1201	1300	30:1	56C	GF3030AGA15	1401	GB	115
44	1.20	1598	1300	40:1	56C	GF4030AGA15	1401	GB	115
35	1.20	1940	1500	50:1	140TC	GF5032BGA15	1479	GB	134
29	1.60	1880	2000	60:1	56C	GF6038AGA15	1702	GB	173
TEFC, 3 Phase, 230/460 Volt									
350	1.30	240	600	5:1	56C	GF0518AGB15	746	GB	64
175	1.30	468	750	10:1	56C	GF1018AGB15	746	GB	64
117	1.40	705	1000	15:1	56C	GF1524AGB15	934	GB	74
88	1.10	905	1000	20:1	56C	GF2024AGB15	934	GB	74
70	1.20	1133	1100	25:1	140TC	GF2526BGB15	1030	GB	89
58	1.60	1201	1300	30:1	56C	GF3030AGB15	1275	GB	102
44	1.20	1598	1300	40:1	56C	GF4030AGB15	1275	GB	102
35	1.20	1940	1500	50:1	56C	GF5032AGB15	1352	GB	121
29	1.60	1880	2000	60:1	140TC	GF6038BGB15	1575	GB	160
TENV, DC SCR, 180 Volt									
350	1.30	240	600	5:1	140TC	GF0518BGD15	1846	GB	97
175	1.30	468	750	10:1	140TC	GF1018BGD15	1846	GB	97
117	1.40	705	1000	15:1	140TC	GF1524BGD15	2036	GB	107
88	1.10	905	1000	20:1	140TC	GF2024BGD15	2036	GB	107
70	1.20	1133	1100	25:1	140TC	GF2526BGD15	2130	GB	122
58	1.60	1201	1300	30:1	140TC	GF3030BGD15	2375	GB	135
44	1.20	1598	1300	40:1	140TC	GF4030BGD15	2375	GB	135
35	1.20	1940	1500	50:1	140TC	GF5032BGD15	2453	GB	154
29	1.60	1880	2000	60:1	140TC	GF6038BGD15	2676	GB	193

NOTE: *See pages 267-271 for 900 Series features.

2 Horsepower Stock Gear-Motors



Baldor has pre-selected and assembled our stock 900 Series* speed reducers to our most stock popular single-phase, three-phase and DC Industrial motors. These pre-assembled *Gear-Motors* offer a variety of output torques and output speeds to fit most industrial applications. To order select the desired output speed and torque or speed and input horsepower, then choose the corresponding Baldor catalog number. Your *Gear-Motor* will ship in one package, pre-assembled from the factory within 48 hours.

RPM	Service Factor	Output Torque In. Lbs.	Max. Overhung Load Rating	Ratio	NEMA Input	Catalog Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.
TEFC, 1 Phase 115/230 Volt									
350	1.60	327	750	5:1	140TC	GF0521BGA20	1222	GB	84
175	1.40	654	1000	10:1	140TC	GF1024BGA20	1312	GB	89
117	1.30	950	1100	15:1	140TC	GF1526BGA20	1407	GB	104
88	1.10	1216	1100	20:1	140TC	GF2026BGA20	1407	GB	104
70	1.40	1423	1300	25:1	140TC	GF2530BGA20	1652	GB	117
58	1.20	1608	1300	30:1	140TC	GF3030BGA20	1652	GB	117
44	1.10	2160	1500	40:1	140TC	GF4032BGA20	1729	GB	136
35	1.30	2305	2000	50:1	140TC	GF5038BGA20	1952	GB	175
29	1.20	2508	2000	60:1	140TC	GF6038BGA20	1952	GB	175
TEFC, 3 Phase, 230/460 Volt									
350	1.60	327	750	5:1	140TC	GF0521BGB20	857	GB	77
175	1.40	654	1000	10:1	140TC	GF1024BGB20	947	GB	82
117	1.30	950	1100	15:1	140TC	GF1526BGB20	1041	GB	97
88	1.10	1216	1100	20:1	140TC	GF2026BGB20	1041	GB	97
70	1.40	1423	1300	25:1	140TC	GF2530BGB20	1286	GB	110
58	1.20	1608	1300	30:1	140TC	GF3030BGB20	1286	GB	110
44	1.10	2160	1500	40:1	140TC	GF4032BGB20	1365	GB	129
35	1.30	2305	2000	50:1	140TC	GF5038BGB20	1587	GB	168
29	1.20	2508	2000	60:1	140TC	GF6038BGB20	1587	GB	168
TENV, DC SCR, 180 Volt									
350	1.60	327	750	5:1	140TC	GF0521BGD20	2225	GB	109
175	1.40	654	1000	10:1	140TC	GF1024BGD20	2317	GB	114
117	1.30	950	1100	15:1	140TC	GF1526BGD20	2411	GB	129
88	1.10	1216	1100	20:1	140TC	GF2026BGD20	2411	GB	129
70	1.40	1423	1300	25:1	140TC	GF2530BGD20	2656	GB	142
58	1.20	1608	1300	30:1	140TC	GF3030BGD20	2656	GB	142
44	1.10	2160	1500	40:1	140TC	GF4032BGD20	2733	GB	161
35	1.30	2305	2000	50:1	140TC	GF5038BGD20	2956	GB	200
29	1.20	2508	2000	60:1	140TC	GF6038BGD20	2956	GB	200

NOTE: *See pages 267-271 for 900 Series features.

**Universal Series -
Right Angle - Quill
Type - Solid Shaft****1.33 thru 3.50 CD****56C thru 180TC****Applications:** Ideal for conveyors, material handling, textile machines, packaging machinery. etc. (slow speed and high torque).**Features:** Heavy duty cast iron housings, forged bronze worm gears, hardened steel worms, ball bearing on input shaft, tapered roller bearings on output shaft. Integral heavy duty mounting feet cast on top and bottom of housing. Single output shaft, right hand facing input shaft. Pre-lubricated with Klubersynth UH1-6-460.

GSF2018AA Shown

Nominal Output RPM @ 1750 RPM In	Gear Ratio	Continuous Duty Output Torque (In-Lbs) Based on 1750 RPM Motor										Max Input Hp	Max Output Torque Rating In-Lbs	NEMA Motor Mount	Style Number	Catalog Number	List Price	Mult. Sym.	Ap'x Shpg. Wgt.
		0.18	0.25	0.33	0.5	0.75	1	1.5	2	3	5								
175	10:1			109	163							0.64	207	56C	STF-133-10-A-A	GSF1013AA	436	GB	21
						245	327					1.22	396	56C	STF-175-10-A-A	GSF1018AA	477	GB	22
						245	327					1.22	396	140TC	STF-175-10-B-A	GSF1018BA	477	GB	23
						244	325	488				1.77	572	56C	STF-200-10-A-A	GSF1020AA	570	GB	30
							325	488				1.77	572	140TC	STF-200-10-B-A	GSF1020BA	570	GB	29
							325	488	651			2.44	788	140TC	STF-225-10-B-A	GSF1023BA	647	GB	32
								488	651			3.43	1109	140TC	STF-258-10-B-A	GSF1026BA	825	GB	46
									651	976		3.43	1109	180TC	STF-258-10-C-A	GSF1026CA	825	GB	55
117	15:1								652	978		4.40	1426	180TC	STF-300-10-C-A	GSF1030CA	943	GB	61
			119	159								0.46	221	56C	STF-133-15-A-A	GSF1513AA	436	GB	21
				159	239	359						0.87	416	56C	STF-175-15-A-A	GSF1518AA	477	GB	23
					238	357	475					1.28	605	56C	STF-200-15-A-A	GSF1520AA	570	GB	29
						359	478	717				1.84	875	56C	STF-225-15-A-A	GSF1523AA	647	GB	37
							478	717				1.84	875	140TC	STF-225-15-B-A	GSF1523BA	647	GB	33
							478	717	956			2.50	1188	140TC	STF-258-15-B-A	GSF1526BA	825	GB	51
								717	956			3.25	1544	140TC	STF-300-15-B-A	GSF1530BA	943	GB	57
88	20:1								956	1434	2391	5.35	2525	180TC	STF-350-15-C-A	GSF1535CA	1294	GB	86
		102	154	205								0.36	220	56C	STF-133-20-A-A	GSF2013AA	436	GB	24
				205	308							0.68	419	56C	STF-175-20-A-A	GSF2018AA	477	GB	23
					308	462	616					1.00	612	56C	STF-200-20-A-A	GSF2020AA	570	GB	30
					308	462	616					1.00	612	140TC	STF-200-20-B-A	GSF2020BA	570	GB	28
					309	463	617					1.35	8.28	56C	STF-225-20-A-A	GSF2023AA	647	GB	37
					309	463	617					1.35	8.28	140TC	STF-225-20-B-A	GSF2023BA	647	GB	33
						461	615	923				1.92	1174	56C	STF-258-20-A-A	GSF2026AA	825	GB	51
							615	923				1.92	1174	140TC	STF-258-20-B-A	GSF2026BA	825	GB	51
							615	923	1230			2.52	1541	140TC	STF-300-20-B-A	GSF2030BA	943	GB	57
								923	1230			2.52	1541	180TC	STF-300-20-C-A	GSF2030CA	943	GB	62
									1230	1845		3.89	2363	180TC	STF-350-20-C-A	GSF2035CA	1294	GB	90

NOTE: Service Class I Torque Ratings (1.0 Service Factor)
 Service Class II Torque Ratings (≥ 1.4 Service Factor)
 Service Class III Torque Ratings (≥ 2.0 Service Factor)

See notes on pages 8 and 9, and inside back flap.

Vertical motor below gearhead not recommended. Avoiding those positions where the high speed oil seal is immersed in oil, will provide greater security against high speed input seal wear.

Universal Series - Right Angle - Quill Type - Solid Shaft continued...

Nominal Output RPM @ 1750 RPM In	Gear Ratio	Continuous Duty Output Torque (In-Lbs) Based on 1750 RPM Motor										Max Input Hp	Max Output Torque Rating In-Lbs	NEMA Motor Mount	Style Number	Catalog Number	List Price	Mult. Sym.	Ap'x Shpg. Wgt.
		0.18	0.25	0.33	0.5	0.75	1	1.5	2	3	5								
70	25:1	123	186									0.29	218	56C	STF-133-25-A-A	GSF2513AA	436	GB	21
			186	247	371							0.55	406	56C	STF-175-25-A-A	GSF2518AA	477	GB	23
				247	371	557						0.81	601	56C	STF-200-25-A-A	GSF2520AA	570	GB	29
					375	563	751					1.09	814	56C	STF-225-25-A-A	GSF2523AA	647	GB	33
							744	1114	1489			2.08	1539	140TC	STF-300-25-B-A	GSF2530BA	943	GB	56
58	30:1	145	218									0.24	214	56C	STF-133-30-A-A	GSF3013AA	436	GB	21
			218	289								0.47	406	56C	STF-175-30-A-A	GSF3018AA	477	GB	22
				289	435	652						0.77	665	56C	STF-200-30-A-A	GSF3020AA	570	GB	30
					435	652						0.98	847	56C	STF-225-30-A-A	GSF3023AA	647	GB	33
					435	652	869					1.35	1166	56C	STF-258-30-A-A	GSF3026AA	825	GB	50
							869	1304				1.74	1501	140TC	STF-300-30-B-A	GSF3030BA	943	GB	57
							869	1304	1739			2.82	2443	140TC	STF-350-30-B-A	GSF3035BA	1294	GB	82
44	40:1	181										0.19	206	56C	STF-133-40-A-A	GSF4013AA	436	GB	21
		180	272	362								0.36	389	56C	STF-175-40-A-A	GSF4018AA	477	GB	11
			272	362	543							0.52	568	56C	STF-200-40-A-A	GSF4020AA	570	GB	30
				364	547							0.71	772	56C	STF-225-40-A-A	GSF4023AA	647	GB	33
					545	817	1090					1.01	1095	56C	STF-258-40-A-A	GSF4026AA	825	GB	51
					542	815	1087					1.36	1470	56C	STF-300-40-A-A	GSF4030AA	943	GB	57
					542	815	1087					1.36	1470	140TC	STF-300-40-B-A	GSF4030BA	943	GB	57
							1087	1630	2173			2.24	2405	140TC	STF-350-40-B-A	GSF4035BA	1294	GB	83
35	50:1	210										0.15	191	56C	STF-133-50-A-A	GSF5013AA	436	GB	21
		210	316									0.28	360	56C	STF-175-50-A-A	GSF5018AA	477	GB	23
		211	317	423								0.42	536	56C	STF-200-50-A-A	GSF5020AA	570	GB	30
			317	422								0.55	693	56C	STF-225-50-A-A	GSF5023AA	647	GB	33
				422	634	951						0.79	995	56C	STF-258-50-A-A	GSF5026AA	825	GB	51
					634	952	1270					1.07	1350	140TC	STF-300-50-B-A	GSF5030BA	943	GB	57
						952	1270	1904				1.75	2196	140TC	STF-350-50-B-A	GSF5035BA	1294	GB	86
29	60:1	235										0.24	343	56C	STF-175-60-A-A	GSF6018AA	477	GB	23
		234	353	470								0.36	505	56C	STF-200-60-A-A	GSF6020AA	570	GB	29
			346	461	692							0.51	702	56C	STF-225-60-A-A	GSF6023AA	647	GB	33
				470	706							0.69	976	56C	STF-258-60-A-A	GSF6026AA	825	GB	51
					706	1059						0.84	1179	56C	STF-300-60-A-A	GSF6030AA	943	GB	56
						1059	1413	2119				1.50	2128	140TC	STF-350-60-B-A	GSF6035BA	1294	GB	83

NOTE: Service Class I Torque Ratings (1.0 Service Factor)
 Service Class II Torque Ratings (≥ 1.4 Service Factor)
 Service Class III Torque Ratings (≥ 2.0 Service Factor)

Optional Shaft Positions, Bases Installation and Motor Mounting available through Mod Express. Refer to Baldor District Office for Price and Delivery. See notes on pages 8 and 9, and inside back flap.

Vertical motor below gearhead not recommended. Avoiding those positions where the high speed oil seal is immersed in oil, will provide greater security against high speed input seal wear.

**1000 Series -
Inline - Quill Type
Solid Shaft****4 Sizes****56C thru 210TC****Applications:** Ideal for conveyors, material handling, textile machines, packaging machinery. etc. (slow speed and high torque).**Features:** Dimensionally interchangeable with major European equivalents. Rugged cast iron construction with precision machined and heat treated alloy steel gears for high efficiency and quiet operation. Pre-lubricated with Klubersynth UH1-6-460.

GIF0932A Shown

Nominal Output RPM @ 1750 RPM In	Gear Ratio	Continuous Duty Output Torque (In-Lbs) Based on 1750 RPM Motor										Max Input Hp	Max Output Torque Rating In-Lbs	NEMA Motor Mount	Style Number	Catalog Number	List Price	Mult. Sym.	Ap'x Shpg. Wgt.
		0.33	0.5	0.75	1	1.5	2	3	5	7.5	10								
194	9:1			253	338	508						1.86	636	56C	F1032-09S-B5	GIF0932A	611	GB	22
				253	338	508						1.86	636	140TC	F1032-09S-B7	GIF0932B	611	GB	22
							616	924				4.14	1275	140TC	F1042-09S-B7	GIF0942B	698	GB	29
							616	924				4.14	1275	180TC	F1042-09S-B9	GIF0942C	698	GB	32
								946	1577	2366		8.18	2608	180TC	F1062-09S-B9	GIF0962C	1020	GB	49
								946	1577	2366		8.18	2608	210TC	F1062-09S-B11	GIF0962D	1020	GB	49
125	14:1									2381	3175	16.7	5353	210TC	F1072-09S-B11	GIF0972D	1659	GB	99
			239	358	478							1.14	550	56C	F1032-14S-B5	GIF1432A	611	GB	22
						741	968					2.89	1443	140TC	F1042-14S-B7	GIF1442B	698	GB	29
								1512	2519			5.72	2910	180TC	F1062-14S-B9	GIF1462C	1020	GB	63
									2435	3653	4870	10.9	5364	180TC	F1072-14S-B9	GIF1472C	1659	GB	99
									2435	3653	4870	10.9	5364	210TC	F1072-14S-B11	GIF1472D	1659	GB	92
97	18:1	210	322	483								0.91	590	56C	F1032-18S-B5	GIF1832A	611	GB	22
					596	894	1192					2.35	1420	56C	F1042-18S-B5	GIF1842A	698	GB	29
					596	894	1192					2.35	1420	140TC	F1042-18S-B7	GIF1842B	664	GB	29
								1192	1788			4.88	2940	140TC	F1062-18S-B7	GIF1862B	1020	GB	48
								1192	1788			4.88	2940	180TC	F1062-18S-B9	GIF1862C	1020	GB	63
									1858	3096	4645	8.5	5320	180TC	F1072-18S-B9	GIF1872C	1659	GB	99
									1858	3096	4645	8.5	5320	210TC	F1072-18S-B11	GIF1872D	1659	GB	99
70	25:1	294	442									0.65	580	56C	F1032-25S-B5	GIF2532A	611	GB	22
				593	791	1187						1.64	1312	56C	F1042-25S-B5	GIF2542A	698	GB	29
				593	791	1187						1.64	1312	140TC	F1042-25S-B7	GIF2542B	698	GB	29
							1309	1745	2618			3.49	3070	140TC	F1062-25S-B7	GIF2562B	1020	GB	48
							1309	1745	2618			3.49	3070	180TC	F1062-25S-B9	GIF2562C	1020	GB	63
									2540	4236		6.17	5279	180TC	F1072-25S-B9	GIF2572C	1659	GB	99
43	40:1		627	940	1254							1.00	1254	56C	F1042-40S-B5	GIF4042A	698	GB	29
					1339	2008	2678					2.18	2992	56C	F1062-40S-B5	GIF4062A	1020	GB	48
					1339	2008	2678					2.18	2992	140TC	F1062-40S-B7	GIF4062B	1020	GB	48
31	56:1	647	970									0.71	1392	56C	F1042-56S-B5	GIF5642A	698	GB	29
			1000	1513	2018							1.28	2460	56C	F1062-56S-B5	GIF5662A	1020	GB	48

NOTE: Service Class I Torque Ratings (1.0 Service Factor)
 Service Class II Torque Ratings (≥ 1.4 Service Factor)
 Service Class III Torque Ratings (≥ 2.0 Service Factor)

1000 Series - Right Angle - Quill Type Hollow Bore

4 Sizes

56C thru 210TC



GRF1442C Shown

Applications: Ideal for conveyors, material handling, textile machines, packaging machinery. etc. (slow speed and high torque).

Features: Dimensionally interchangeable with major European equivalents. Rugged cast iron construction. Helical and worm gear combinations afford optimum performance.* Pre-lubricated with Klubersynth UH1-6-460.

Nominal Output RPM @ 1750 RPM In	Gear Ratio	Continuous Duty Output Torque (In-Lbs) Based on 1750 RPM Motor									Max Input Hp	Max Output Torque Rating In-Lbs	NEMA Motor Mount	Style Number	Catalog Number	List Price	Mult. Sym.	Ap'x Shpg. Wgt.	
		0.33	0.5	0.75	1	1.5	2	3	5	7.5									10
125	14:1			330	441	662						1.79	790	56C	F1032R-14S-B5	GRF1432A	881	GB	26
				330	441	662						1.79	790	140TC	F1032R-14S-B7	GRF1432B	881	GB	26
						646	861	1288				2.99	1288	56C	F1042R-14S-B5	GRF1442B	1142	GB	31
						646	861	1288				2.99	1288	180TC	F1042R-14S-B9	GRF1442C	1142	GB	31
							849	1274				4.85	2060	140TC	F1052R-14S-B7	GRF1452B	1274	GB	35
							849	1274				4.85	2060	180TC	F1052R-14S-B9	GRF1452C	1274	GB	38
								1399	2332	3498		8.20	3827	180TC	F1062R-14S-B9	GRF1462C	1677	GB	80
								1399	2332	3498		8.20	3827	210TC	F1062R-14S-B11	GRF1462D	1677	GB	80
79	22:1		289	434	578							1.39	804	56C	F1032R-22S-B5	GRF2232A	881	GB	26
					592	888	1184					2.23	1321	56C	F1042R-22S-B5	GRF2242A	1142	GB	31
							1259	1889	3086			4.90	3086	140TC	F1052R-22S-B7	GRF2252B	1274	GB	35
							1259	1889	3086			4.90	3086	180TC	F1052R-22S-B9	GRF2252C	1274	GB	38
								1935	3226			7.41	4784	180TC	F1062R-22S-B9	GRF2262C	1677	GB	80
54	32:1		485	728	971							1.00	971	56C	F1032R-32S-B5	GRF3232A	881	GB	26
						1415	1887	2813				2.98	2813	140TC	F1052R-32S-B7	GRF3252B	1274	GB	35
							2102	3153				4.93	5184	180TC	F1062R-32S-B9	GRF3262C	1677	GB	80
27	63:1	517	775									0.07	1040	56C	F1032R-63S-B5	GRF6332A	881	GB	26
			800	1197	1597							1.07	1710	56C	F1042R-63S-B5	GRF6342A	1142	GB	31
					1630	2446	3261					2.39	3899	140TC	F1052R-63S-B7	GRF6352B	1274	GB	35
17	100:1	732	1098									0.51	1120	56C	F1032R-100S-B5	GRF10032A	881	GB	26
		755	1132	1697								0.81	1835	56C	F1042R-100S-B5	GRF10042A	1142	GB	31

NOTE: Service Class I Torque Ratings (1.0 Service Factor)
 Service Class II Torque Ratings (≥ 1.4 Service Factor)
 Service Class III Torque Ratings (≥ 2.0 Service Factor)

* See page 294 for base, flange and shaft kits.

Vertical motor below gearhead not recommended. Avoiding those positions where the high speed oil seal is immersed in oil, will provide greater security against high speed input seal wear.

Output Bore Sizes

F1032R	0.750
F1042R	1.250
F1052R	1.375
F1062R	1.500

**Ratio Multiplier -
Inline - Quill Type
Solid Shaft****2 Sizes****56C thru 140TC**

Applications: Reducer or Increaser. Combine with Right Angle units for high ratios. May also be used as a stand alone with optional base kits.

Features: High efficiency. Cast iron construction, universal mounting positions, and optional base mounting. Internal compression chamber eliminates breather vent. Lubricated for life with Klubersynth GH6-150.

Size	Output RPM @ 1750 RPM in.	Gear Ratio	Input Style	Output Style	Catalog Number	List Price	Mult. Sym.	Type	Ap'x. Shpg. Wgt.
1	875	2:1	56C	56C	GCF2X01AA	330	GB	FX1-2-B5-56C	19
1	583	3:1	56C	56C	GCF3X01AA	330	GB	FX1-3-B5-56C	19
1	438	4:1	56C	56C	GCF4X01AA	330	GB	FX1-4-B5-56C	19
1	350	5:1	56C	56C	GCF5X01AA	330	GB	FX1-5-B5-56C	19
2	875	2:1	140TC	140TC	GCF2X02BB	398	GB	FX2-2-B7-140TC	22
2	583	3:1	140TC	140TC	GCF3X02BB	398	GB	FX2-3-B7-140TC	22
2	438	4:1	140TC	140TC	GCF4X02BB	398	GB	FX2-4-B7-140TC	22
2	350	5:1	56C	140TC	GCF5X02AB	398	GB	FX2-5-B5-140TC	22
2	350	5:1	140TC	140TC	GCF5X02BB	398	GB	FX2-5-B7-140TC	22

Ratings at 1750 RPM Input

Size	Ratio	Output RPM	Input Hp	Output Hp	Output Torque	Output Shaft OHL
1	2:1	875	2.06	1.96	141	173
1	3:1	583	1.70	1.62	175	203
1	4:1	438	1.50	1.42	205	224
1	5:1	350	1.13	1.08	194	247
2	2:1	875	12.42	12.17	877	445
2	3:1	583	8.68	8.42	911	445
2	4:1	438	6.34	6.15	885	445
2	5:1	350	5.40	5.17	931	360



BRMX01 with Style SX1 Ratio Multiplier

Optional Base Kit

Size	Catalog Number	List Price	Mult. Sym.
1	BRMX01	40	A8
2	BRMX02	71	A8



Ratio Multiplier with F900 Series Reducer

900 Series - Right Angle Base Kits



Horizontal Base



J Base



Vertical Base



Washdown Base

Universal Series - Right Angle Base Kits



Base Description	Size (Position)	Catalog Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.
HORIZ.	913 (A,B)	B13H71	40	A8	3
VERT. low	913 (D,F)	B13V81	71	A8	2
VERT. high	913 (C,E)	B13V91	72	A8	3
VERT. J	913 (X,Y)	B13J92	70	A8	3
HORIZ.	915 (A,B)	B15H71	28	A8	4
VERT. low	915(D,F)	B18V81	73	A8	3
VERT. high	915 (C,E)	B18V91	74	A8	3
VERT. J	915 (X,Y)	B18J92	72	A8	6
HORIZ.	918 (A,B)	B18H71	48	A8	6
VERT. low	918 (D,F)	B18V81	73	A8	3
VERT. high	918 (C,E)	B18V91	74	A8	3
VERT. J	918 (X,Y)	B18J92	72	A8	6
HORIZ.	921G (A,B)	B21GH71	50	A8	5
HORIZ.	921 (A,B)	B21H71	53	A8	6
VERT. low	921 (D,F)	B21V81	80	A8	4
VERT. high	921 (C,E)	B21V91	82	A8	6
VERT. J	921 (X,Y)	B21J92	80	A8	7
HORIZ.	924 (A,B)	B24H71	63	A8	8
VERT. low	924 (D,F)	B24V81	91	A8	4
VERT. high	924 (C,E)	B24V91	97	A8	6
VERT. J	924 (X,Y)	B24J92	91	A8	9
HORIZ.	926 (A,B)	B26H71	71	A8	9
VERT. low	926 (D,F)	B26V81	122	A8	6
VERT. high	926 (C,E)	B26V91	124	A8	9
VERT. J	926 (X,Y)	B26J92	122	A8	10
HORIZ.	930 (A,B)	B30H71	81	A8	4
HORIZ.	932 (A,B)	B32H71	96	A8	13
VERT. low	932 (D,F)	B32V81	143	A8	10
VERT. high	932 (C,E)	B32V91	147	A8	13
HORIZ.	938 (A,B)	B38H71	116	A8	15
VERT. low	938(D,F)	B38V81	173	A8	38
VERT. high	938(C,E)	B38V91	181	A8	36

Optional Washdown Base Kits

HORIZ.	913 (A,B)	WDB13H71	53	A8	3
HORIZ.	915 (A,B)	WDB15H71	53	A8	4
HORIZ.	918 (A,B)	WDB18H71	65	A8	6
HORIZ.	921 (A,B)	WDB21H71	69	A8	6
HORIZ.	924 (A,B)	WDB24H71	75	A8	8
HORIZ.	926 (A,B)	WDB26H71	85	A8	9
HORIZ.	930 (A,B)	WDB30H71	94	A8	6
HORIZ.	932 (A,B)	WDB32H71	110	A8	13

Optional Stainless Steel Base Kits

HORIZ	918 (A,B)	SSB18H71	243	A8	8
HORIZ	921 (A,B)	SSB21H71	253	A8	10
HORIZ	926 (A,B)	SSB26H71	280	A8	13

Red catalog number = New item

Kit includes angle bases and hardware. Converts style STF to SVF.

Size	NEMA Flange	Catalog Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt
133-175	56C/140TC	B1317V81	72	A8	2
200-225	56C/140TC	B2022V81	75	A8	3
258-300	56C/140TC	B2530V81	117	A8	4
258-300	180TC	B2530V91	118	A8	6
350	56C/140TC 180TC/210TC	B3500V81	136	A8	5

**NEMA C-Face
Flange Kits
(coupling type)**

Flange adapts NEMA C face motors to 900 Series type S reducers.
Includes flange, flexible coupling and mounting hardware.

Size	NEMA Flange	Catalog Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt
913	56C	SFL913B5	111	A8	8
915	56C	SFL918B5	111	A8	9
	140TC	SFL918B7	111	A8	8
918	56C	SFL918B5	111	A8	9
	140TC	SFL918B7	111	A8	8
921	56C	SFL921B5	125	A8	11
	140TC	SFL921B7	125	A8	11
924	56C	SFL924B5	125	A8	11
	140TC	SFL924B7	125	A8	11
926	56C	SFL926B5	160	A8	14
	140TC	SFL926B7	160	A8	15

**Riser
Block Kits**

Riser Blocks permit the gearbox to be mounted in the most desirable position (high speed input shaft above the oil level). They mount on top of the gearbox to provide clearance between the motor and the mounting surface. Kit includes the Riser Block and attachment bolts.

Size	NEMA Flange	Catalog Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt
913	56C	RBK13B5	41	A8	5
915	56C/140TC	RBK15B5	53	A8	5
918	56C/140TC	RBK18B5	65	A8	5
921	56C/140TC	RBK21B5	85	A8	5
924	56C/140TC	RBK24B5	89	A8	5
	180TC	RBK24B9	170	A8	10
926	56C/140TC	RBK26B5	94	A8	8
	180TC	RBK26B9	206	A8	11
930	56C/140TC	RBK30B5	107	A8	15
	180TC	RBK30B9	229	A8	15
932	56C/140TC	RBK32B5	143	A8	8
	180TC	RBK32B9	284	A8	15

**Torque
Arm Kits**

Kit includes turnbuckle and both mounting brackets. Secures hollow shaft reducer to application

Size	Catalog Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.
913	TA13HK	104	A8	2
918	TA18HK	115	A8	2
921	TA21HK	128	A8	2
924	TA24HK	129	A8	2
926	TA26HK	132	A8	2
930	TA30HK	134	A8	2
932	TA32HK	137	A8	2
938	TA38HK	143	A8	2

Output Flange Kits



Size	Catalog Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.
913	FL13HK	67	A8	6
915	FL15HK	72	A8	6
918	FL18HK	75	A8	6
921	FL21HK	84	A8	3
924	FL24HK	120	A8	4
926	FL26HK	129	A8	6
930	FL30HK	134	A8	6
932	FL32HK	140	A8	12
938	FL38HK	144	A8	12

Bushing Kits for Hollow Shaft Reducers

Size	Shaft Diameter	Catalog Number	List Price	Mult. Sym.	Size	Shaft Diameter	Catalog Number	List Price	Mult. Sym.
918	3/4	BU100H012	85	A8	924/926	1-1/4	BU107H104	104	A8
	7/8	BU100H014	85	A8		1-5/16	BU107H105	104	A8
	15/16	BU100H015	96	A8		1.00	BU115H100	143	A8
924/926	15/16	BU107H015	104	A8	930/932	1-7/16	BU115H107	143	A8
	1	BU107H100	104	A8		1-1/2	BU115H108	143	A8
	1-1/8	BU107H102	104	A8		1-5/8	BU115H110	143	A8
	1-3/16	BU107H103	104	A8		1-11/16	BU115H111	143	A8
						1-3/4	BU115H112	143	A8

Double Reduction Adapter Kit



900 series double reduction units may be assembled from stock single reduction units using the adapter kits.

Catalog Number	Primary ⁽¹⁾ Unit	Secondary ⁽²⁾ Unit	List Price	Mult. Sym.
DR913X913B5	913	913-B5	111	A8
DR913X918B5	913	918-B5	117	A8
DR913X921B5	913	921-B5	124	A8
DR913X924B5	913	924-B5	124	A8
DR913X926B5	913	926-B5	134	A8
DR918X924B7	918	924-B7	134	A8
DR918X926B7	918	930-B7/926-B7	140	A8
DR918X932B7	918	932-B7	140	A8
DR924X938B9	924	938-B9	140	A8

NOTE: Each adapter kit consists of: 1 Adapter; 1 Seal (Installed); 1 Shim Set; 4 Screws; 1 Bearing Cup (Installed); 4 Lock Washers; and 1 Sealant Package.

⁽¹⁾ Any style except shaft mount

⁽²⁾ F and HF styles only

Bushing Kit



Reduces bore size of Quill type input shafts from 7/8 to 5/8. Sintered metal bushing with integral internal and external keys.

Catalog Number	List Price	Mult. Sym.
133-6FBA	41	A8

BALDOR***Gearmotors and Speed Reducers*****1000 Series
Output Flange Kits**

Size	Catalog Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.
1032R	FL1030VK	106	A8	3
1033R				
1042R	FL1040VK	118	A8	3
1043R				
1052R	FL1050VK	141	A8	4
1053R				
1062R	FL1060VK	164	A8	6
1063R				

**1000 Series
Torque Arm Kits**

Size	Catalog Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.
1032R	TA1030VK	106	A8	2
1033R				
1042R	TA1040VK	118	A8	3
1043R				
1052R	TA1050VK	141	A8	3
1053R				
1062R	TA1060VK	164	A8	7
1063R				

**1000 Series
Modular Base Kits**

Size	Catalog Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.
1032R	B1030H71	40	A8	1
1033R				
1042R	B1040H71	59	A8	2
1043R				
1052R	B1050H71	81	A8	1
1053R				
1062R	B1060H71	98	A8	5
1063R				

**1000 Series
Output Shaft Kits**

Size	Catalog Number				Mult. Sym.	Ap'x. Shpg. Wgt.
	Single Projection	List Price	Double Projection	List Price		
1032R	SH1030S	72	SH1030D	86	A8	2
1033R						
1042R	SH1040S	79	SH1040D	106	A8	2
1043R						
1052R	SH1050S	84	SH1050D	115	A8	3
1053R						
1062R	SH1060S	107	SH1060D	134	A8	3
1063R						

Motorized Speed Reducer Selection

1. Determine service class from table below.
2. Select a reducer size that satisfies output RPM, service class and/or output torque requirements.
3. Check overhung load capacity
4. Select appropriate motor from C-Face sections in this catalog.

Service Factor Table

AGMA Class of Service	Service Factor	Operating Conditions
I	1.00	Moderate Shock - not more than 15 minutes in 2 hours. Uniform Load - not more than 10 hours per day.
II	1.25	Moderate Shock - not more than 10 hours per day Uniform Load - more than 10 hours per day.
II	1.50	Heavy Shock - not more than 15 minutes in 2 hours. Moderate Shock - more than 10 hours per day.
III	1.75	Heavy Shock - not more than 10 hours per day.
	2.00	Heavy Shock - more than 10 hours per day.

Maximum Input Speeds

900 Series Size	Universal Size	Max. Input RPM
913	133	4500
918-932	175-350	3600
938	400-600	2500

900 Series Single Reduction Overhung Load Ratings

Gear Size	Center Distance Inches	Overhung Load Rating Lbs. (At Center of Keyway)
913	1.33	240
918	1.75	600
921	2.06	750
924	2.38	1000
926	2.62	1100
932	3.25	1500
938	3.75	2000

Universal Series Single Reduction Overhung Load Ratings

Gear Size	Center Distance Inches	Overhung Load Rating Lbs. (At Center of Keyway)
133	1.333	280
175	1.750	460
200	2.000	650
225	2.250	870
258	2.625	1200
300	3.000	1575
350	3.500	1695

Overhung Load

Overhung load is the radial load imposed on a shaft by a sprocket, pinion, pulley or sheave which tends to bend the shaft. When a sprocket, pinion, pulley or sheave is mounted on the reducer output shaft, a calculation should be made to determine whether the resultant overhung load exceeds the rated overhung load capacity of the reducer, using the following formula:

$$OHL = \frac{Hp \times 63025 \times K}{N \times R} \quad \text{or;} \quad OHL = \frac{T \times K}{R}$$

Wherein,

OHL = Overhung load in pounds

T = Torque transmitted by the shaft

N = RPM of shaft

R = Pitch radius of sprocket, sheave, etc.

K = Factor from overhung load factor table.

Overhung Load Factor (K)

SPROCKET	1.00
GEAR	1.25
V-BELT	1.50
FLAT BELT	2.50

If the calculated overhung load exceeds the overhung load rating of the reducer, consideration should be given to:

- A) Increase sprocket, sheave etc. radius
- B) Use outboard bearing on shaft
- C) Use larger reducer

The minimum radius allowable for a given drive may be determined by using:

$$\text{Minimum Radius} = \frac{T \times K}{OHL \text{ Capacity of Reducer}}$$

NEMA AC Motor C-Face Kits for Field Conversion



Features: Complete kits with all hardware necessary for converting Baldor 56 through 445T frame rigid base motors to “C-Face” mounting with base. For a Baldor conversion, refer to the Mod Express Section in this catalog. Please furnish the motor specification number when ordering.

Kit Catalog Number	Description Type/Frame	Bearing	Enclosure	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.
34-3900T	34/48C	6203	TEFC	36	A8	1
34-171	34/56C	6203	TEFC	36	A8	2
34-3903A	34/143-5TC	6205	ODP	39	A8	2
34-3903T	34/143-5TC	6205	TEFC	39	A8	2
35-8762	35/56C, 143-5TC	6205	TEFC	42	A8	3
35-8764	35/56C, 143-5TC	6205	ODP	42	A8	3
35-1300	35/56C, 143-5TC	6205	TEFC	60	A8	6
35-1325	35/182-4TC	6206	TEFC	66	A8	11
35-1409	35/182-4TC	6206	ODP	57	A8	11
36-1037	36/182-4C	6206	TEFC	66	A8	8
36-1206A	36/213-5TC	6207	OPSB	101	A8	13
36-1206B	36/213-5TC	6207	ODP	101	A8	14
36-486	36/182-4C	6206	ODP	83	A8	8
36-3301	36/182-4TC	6206	TEFC	50	A8	5
36-3403	36/182-4TC	6206	ODP	49	A8	5
36-1749	36/182-4TC	6206	TEFC	66	A8	12
37-1404	37/213-5C, TC	6307	ODP	95	A8	14
37-1304	37/213-5C, TC	6307	TEFC	102	A8	13
37-1402	37/254-6UC, TC	6309	ODP	111	A8	18
37-1302	37/254-6UC, TC	6309	TEFC	107	A8	18
09-1309	09/254-6UC, TC	6309	TEFC	149	A8	22
09-1310	09/284-6UC, TC	6311	TEFC	195	A8	22
39-3400	39/254-6UC, TC	6309	ODP	157	A8	19
39-1403	39/284-6UC, TC	6311	ODP	195	A8	21
10-1304	10/324-6UC, TC	6312	TEFC	224	A8	32
10-1305	10/284-6UC, TC	6311	TEFC	212	A8	32
40-1400	40/284-6UC, TC	6311	ODP	206	A8	30
40-1401	40/324-6 UC, TC	6312	ODP	255	A8	40
12-1105	12/324-6UC, TC	6312	TEFC	286	A8	48
42-1300	42/324-6UC, TC	6312	ODP	463	A8	36
42-1400	42/364-5 UC & TC	6313	ODP	451	A8	30
14-1303	14/404-5TC	6316	TEFC	617	A8	57
14-1704	14/364-5UC, TC	6313	TEFC	451	A8	57
14-1401	14/364-5UC, TC	6313	ODP	451	A8	60
16-1704	16/404-5UC, TC	6316	TEFC	617	A8	76
16-1400	16/404-5UC, TC	6316	ODP	617	A8	78
18-1203	18/444-7UC, TSC	6313	ODP	676	A8	118
18-1202	18/444-7UC, TC	6319	ODP	676	A8	128
18-1302	18/444-9UC, TC	6319	TEFC	725	A8	182
44-1402	44/404-5 UC & TC	6316	ODP	522	A8	40
44-1403	44/404-5 UC & TSC	6313	ODP	522	A8	40
44-1403A	44/404 USC, TSC	6312	OPEN	522	A8	40

NOTE: NEMA “BA” Dimension will be non-standard after conversion on NEMA 143-5T, 182-4T, 213-5T and 254-6T.

Specification number of motor should be verified when ordering.

- = Suitable only for field conversion of motors manufactured with external rabbets on the stator housings.
- ✕ = Contact a District Office with nameplate specification number to determine correct kit.

SHADED RATINGS ARE CAST IRON FRAMES

NEMA DC Motor C-Face Kit for Field Conversion



Features: For DC motors with catalog number ending in "P".
Complete kits for motors on pages 233-232.

Kit Catalog Number	Frame	Bearing	Enclosure	List Price	Mult. Sym.	Ap'x Shpg. Wgt.
180-5002	180ATC	6206	Drip-Proof	558	A8	18
210-5001	210ATC	6207	Drip Proof or Totally Enclosed	669	A8	12
250-5001	250ATC	6209	Drip Proof of Totally Enclosed	1033	A8	75
280-5002	280ATC	6210	Drip Proof	1369	A8	57
320-5002	320ATC	6211	Drip Proof	1908	A8	87
360-5001	360ATC	6213	Drip Proof or Totally Enclosed	2928	A8	121
400-5001	400ATC	6214	Drip Proof or Totally Enclosed	3546	A8	179

Double C-Face Motor Brake Kits



Coil Voltage: 115/208-230

Features: Double C-Face coupler brakes. Mounts on motors with C-Face, provides NEMA C-face mounting on brake. Spring set, electrically released.

Brake Rating	Brake Mounting	Catalog Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.
3 ft-lb	56C	CBK003-1	414	A8	12
6 ft-lb	56C	CBK006-1	610	A8	11
6 ft-lb	145TC	CBK006-2	610	A8	12
10 ft-lb	145TC	CBK010-1	712	A8	12
15 ft-lb	145TC	CBK015-1	1522	A8	12

NOTE: See notes on page 8 and inside back flap.

D-Flange Kits



Complete kits with hardware necessary for converting Baldor 145T-445T frame rigid base motors to "D-Flange" mounting with base. Please furnish the motor specification number when ordering.

NEMA Frame	Enclosure	Part Number	List Price	Mult. Sym.	Shipping Weight Lbs.
143-145T	TEFC	35EP1506A01SP	258	A8	8
143-145T	OPEN	35EP1604A01SP	274	A8	8
182-184T	OPEN	36EP1405A09SP	280	A8	8
182-184TD	TEFC	36EP1304A62SP	143	A8	15
286-286 U,T	TEFC	10EP1502A01SP	614	A8	39
324-326 U,T	TEFC	12EP1501A03SP	684	A8	50
364-365 U,T	OPEN	14EP1601A01SP	880	A8	61
364-365 U,T	TEFC	14EP1705A01SP	880	A8	73
404-405 U,T	OPEN	16EP1601A01SP	1094	A8	67
404-405 U,T	TEFC	16EP1501A01SP	929	A8	75
444-445 U,T	OPEN	18EP1600A01SP	1557	A8	97
444-445 U,T	TEFC	18EP1500A01SP	1557	A8	168
447-449	TEFC	18EP1506A01SP	1557	A8	150

Drip Covers for Field Conversion



Standard ODP Motors to Vertical Mount

Features: Complete kits with all hardware, attaches to endplate with no drilling. Designed to protect open steel band motors from rain, snow and ice when mounted outdoors in a vertical position. Made from heavy steel. Primed and painted inside and out. For a Baldor conversion, refer to the Mod Express Section in this catalog.

Kit Catalog Number	Description	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.
FCD34	34/48-56	57	A8	1
FCD35	35/56-145	60	A8	1
FCD36	36/182-184	70	A8	2
FCD37	37/213-256	85	A8	3
FCD39	39/254-256	114	A8	3
FCD40	40/284-286	122	A8	12
FCD42	42/324-326	131	A8	5

NOTE: Refer to Abbreviations on the inside back flap for definitions of Kit Catalog No. and Description.

Fan Cover/Conduit Boxes for Field Conversion



Standard TEFC Cast Iron Motors

Applications: For all Cast Iron construction.

Features: Complete kits consists of cast iron fan covers and cast iron conduit boxes when necessary. The kits also include all necessary mounting hardware. These kits replace the standard steel fan cover and aluminum conduit box when used. For a Baldor conversion, refer to the Mod Express Section in this catalog.

Kit Catalog Number	Description	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.
FFC05	05/143-5T	114	A8	6
FFC06	06/182-4T	122	A8	10
FFC07WB	07/213-5T	181	A8	19
FFC09WB	09/254-6U & T	250	A8	28

NOTE: Refer to Abbreviations on the inside back flap for definitions of Kit Catalog No. and Description.
Catalog numbers ending in WB include a cast iron conduit box and lid.
NOT FOR USE ON EXPLOSION PROOF MOTORS.

SHADED RATINGS ARE CAST IRON FRAMES

Ball Bearing to Roller Bearing Conversion



TEFC Motors 449T thru 5011L

Applications: To accommodate belted loads.

Features: Complete kit consists of roller bearing retainer, spacers, and proper grease. For Baldor conversion, refer to the Mod Express section in this catalog.

NEMA Frame	Motor Poles	Motor Enclosure	Catalog Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.
449T	4,6,8	TEFC	RBT319	1508	A8	14
5007-5011L	4	TEFC	RBT322	1648	A8	26
5007-5011L	6	TEFC	RBT324	1648	A8	34

NOTE: All motors 449T through 5011L are stocked with ball bearings suitable for coupled loads. If load is belted, a roller bearing may be required.
Contact your local Baldor office.

Gear Motor Accessories Conduit Box Kit



Baldor 24 Frame stock gearmotors are designed to accommodate this optional conduit/capacitor box.

Motor Types	Kit Description	Catalog Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.
2412, 2416, 2420, 2424	Combination Conduit/Capacitor Mounting Box Kit	BKP2400	36	A8	1

PSM Mounting Adapters



B92 is formed steel mounting base that bolts to machined surface on bottom of PSM gear box casting. Provides secure foot mounting of gear motor and drop-in interchangeability with other major manufacturers.

B93 is a three point face mounting adapter. Provides interchangeability with other manufacturers.

Catalog Number	Description	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.
B92	Foot Mount	29	A8	1
B93	3 Point Face Mount	37	A8	1

“L” Type Mounting Brackets



Applications: Mounting bracket for PSSH and PSL gear motors. Securely mounts to gear face in 90 degree locations for floor, wall or ceiling mount. Catalog LB74 is not recommended for PSL/PSLH units weighing over 20 lbs. For units weighing more than 20 lbs. use LB75.

Catalog Number	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.
LB73	29	A8	2
LB73GR	29	A8	10
LB74	41	A8	2
LB75	58	A8	1

NOTE: (1) Painted Baldor gray. LB73 & LB73GR for PSSH style gearmotors, LB74 & LB75 for PSL/PSLH style gearmotors.

H Gearbox Accessories



Baldor offers single and three-phase hollow bore (shaft mount) gearmotors. By adding a base and shaft kit, they can also be used on applications requiring a right-angle shaft extension. The shaft can be used for either right or left hand output applications.

Catalog Number	Description	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.
B19H71	Horiz Base Kit	49	A8	1
SH10HS	Output Shaft Kit	15	A8	2

Motors and Gearmotors UL, cUL and CSA Approvals



Product Type	CSA LR2262	UL E46145	CUL E46145
AC	Motor Models and Frames 24, 25, 33	Motor Models and Frames 24, 25, 33	
DC	Motor Models and Frames 73, 74: 90V Ratings Only Motor Models and Frames 25, 33: Not Restricted to 90 Volts	Motor Models and Frames 23, 25, 33, 73, 74, 125, 135	Motor Model and Frames 23, 125, 135

NOTE: See notes on pages 8 and 9, and inside back flap.

Adjustable Motor Bases



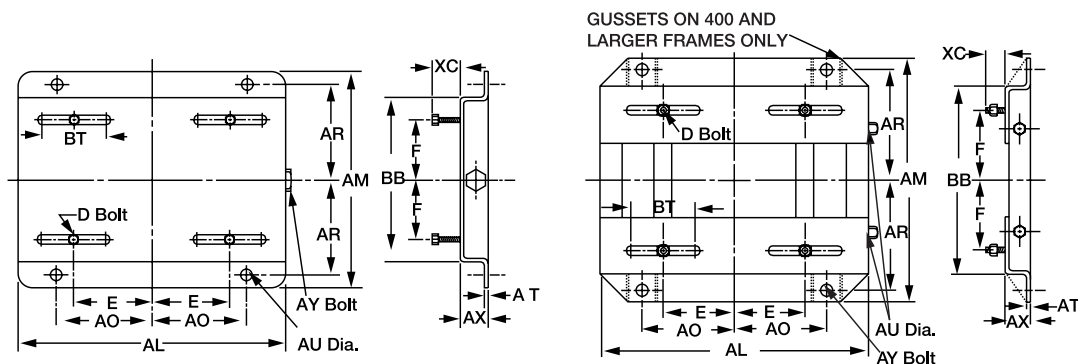
These motor bases simplify mounting and belt tension adjustment at installation and during later maintenance checks. These are heavy duty adjustable motor bases manufactured of steel or plate. All bases are detergent washed, painted with dark gray primer and oven baked for corrosion resistance. The nuts and bolts are zinc plated. NEMA 215T and smaller bases feature one adjusting screw. Bases for NEMA 254T frame and larger motors feature two adjusting screws. Motor mounting bolts are included. Bases listed can be used with motor frame numbers given and succeeded by the letters S, T, U, US and TS, or any other letter combinations provided the motors' base meets NEMA standards.

NEMA Frame Motors	Base Catalog Number	List Price	Mult. Sym.	No. of Adjusting Screws	Motor Mounting Bolt Size	Ap'x Shpg. Wgt.
48	B48T	64	A8	1	5/16 x 1	3
56	B56T	64	A8	1	5/16 x 1	5
143T	B143T	83	A8	1	5/16 x 1	6
145T	B145T	83	A8	1	5/16 x 1	7
182T	B182T	88	A8	1	3/8 x 1 1/2	10
184T	B184T	88	A8	1	3/8 x 1 1/2	10
213T	B213T	102	A8	1	3/8 x 1 1/2	14
215T	B215T	102	A8	1	3/8 x 1 1/2	15
254T	B254T	170	A8	2	1/2 x 1 3/4	21
256T	B256T	170	A8	2	1/2 x 1 3/4	21
284T	B284T	193	A8	2	1/2 x 2	24
286T	B286T	193	A8	2	1/2 x 2	26
324T	B324T	299	A8	2	5/8 x 2 1/2	34
326T	B326T	299	A8	2	5/8 x 2 1/2	37
364T	B364T	373	A8	2	5/8 x 2 1/2	48
365T	B365T	373	A8	2	5/8 x 2 1/2	50
404T	B404T	555	A8	2	3/4 x 3	62
405T	B405T	555	A8	2	3/4 x 3	66
444T	B444T	679	A8	2	3/4 x 3	70
445T	B445T	679	A8	2	3/4 x 3	71
447T	B447T	800	A8	2	3/4 x 3 1/2	93
449T	B449T	800	A8	2	3/4 x 3 1/2	99
5007-11	B5000RLS (1)	1206	A8	2	7/8 x 3 1/2	149

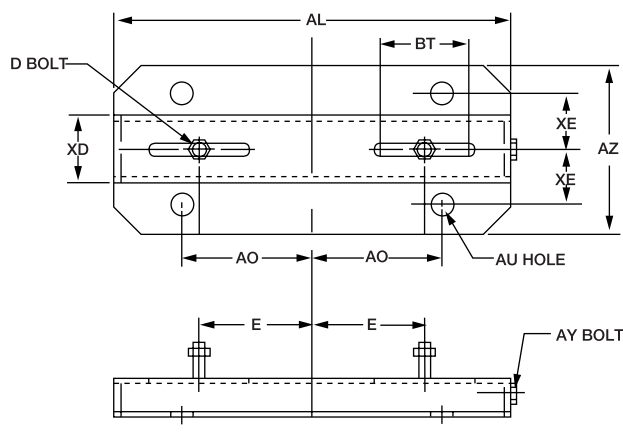
NOTE: Bases not suitable for vertical mounting. See base dimensions on next page.

(1) One adjustable motor rail.

Adjustable Motor Bases Dimension Diagrams



NEMA Frame	Catalog Number	E	F	AL	AM	AO	AR	AT	AU	AX	BB	BT	XC	D Bolt	AY Bolt
48	B48T	2.125	1.375	10.00	6.25	3.50	2.75				4.25				
56	B56T	2.437	1.50	10.625	6.50	3.812	2.875	0.078	0.375	1.125	4.50	3.00	0.875	5/16 x 1	3/8 x 4
143	B143T		2.00		7.50		3.375				5.50				
145	B145T	2.75	2.50	10.50	8.50	3.75	3.875	0.109	0.375	1.125	6.50	3.00	0.812	5/16 x 1	3/8 x 4
182	B182T		2.25		9.50		4.25				6.50				
184	B184T	3.75	2.75	12.75	10.50	4.50	4.75	0.140	0.50	1.50	7.50	3.00	1.50	3/8 x 1-3/4	1/2 x 5
213	B213T		2.75		11.00		4.75				7.50				
215	B215T	4.25	3.50	15.00	12.50	5.25	5.50	0.156	0.50	1.75	9.00	3.50	1.50	3/8 x 1-3/4	1/2 x 5
254	B254T				15.125		6.625				10.75				
256	B256T	5.00	4.125	17.75	16.875	6.25	7.50	0.187	0.625	2.00	12.50	4.00	1.437	1/2 x 1-3/4	5/8 x 6
284	B284T		4.75		16.875		7.50								
286	B286T	5.50	5.50	19.75	18.375	7.00	8.25	0.187	0.625	2.00	12.514	4.50	1.687	1/2 x 2	5/8 x 6
324	B324T				19.25		8.50				14.00				
326	B326T	6.25	5.256	22.75	20.75	8.00	9.25	0.187	0.75	2.50	15.50	5.25	2.187	5/8 x 2-1/2	3/4 x 9
364	B364T		5.625		20.50		9.125				15.50				
365	B365T	7.00	6.625	25.50	21.50	9.00	9.625	0.25	0.75	2.50	16.50	6.00	2.062	5/8 x 2-1/2	3/4 x 9
404	B404T		6.125		22.375		9.875				16.50				
405	B405T	8.00	6.387	28.75	23.875	10.00	10.625	0.25	0.875	3.00	18.00	7.00	2.50	3/4 x 3	3/4 x 11
444	B444T		7.25		24.625		11.00				19.25				
445	B445T	9.00	8.25	31.25	26.625	11.00	12.00	0.25	0.875	3.00	21.25	7.50	2.50	3/4 x 3	3/4 x 11
447	B447T		10.00		30.125		13.75				24.75				
449	B449T	9.00	12.50	31.25	35.125	11.00	16.25	0.312	1.125	3.00	29.75	7.50	3.00	3/4 x 3-1/2	3/4 x 11



NEMA Frame	Catalog Number	E	AL	AO	AL	AU	AX	AZ	BT	XC	XO	XE	D Bolt	AY Bolt
500	B5000RLS	10.00	35.00	12.50	0.312	1.00	3.50	12.00	8.00	3.00	6.00	4.50	7/8 x 3-1/2	7/8 x 16

DIMENSIONS ARE FOR REFERENCE ONLY, CONSULT A BALDOR DISTRICT OFFICE FOR CERTIFIED DIMENSIONS

Conversion Bases



These Conversion Bases are designed to allow NEMA "T" frame motors to be used where corresponding NEMA "U" frame motors have been applied. Consisting of right and left hand pieces that fit to existing mounting studs positioned for "U" frame motors. The "T" frame motor is mounted to the pieces resulting in compensation for the difference in motor height, shaft position and mounting hole between the previous "U" frame motor and the replacement "T" frame motor. Made of the same top quality material as the adjustable motor bases.

Catalog Number	Converts From "U" Frame	Converts To "T" Frame	List Price	Mult. Sym.	Ap'x Shpg. Wgt.	Height Inches	Width Inches	Length Inches	Thread
CB1814T	182/184	143T/145T	70	A8	2	1	2 1/4	7 1/2	5/16-18
CB2118T	213/215	182T/184T	99	A8	2	3/4	1 3/4	9 1/2	3/8-16
CB2521T	254U/256U	213T/215T	114	A8	6	1	2 7/16	12 3/4	3/8-16
CB2825T	284U/286U	254T/256T	155	A8	7	3/4	2 3/4	14 1/4	1/2-13
CB3228T	324U/326U	284T/286T	213	A8	9	1	3 1/4	15 3/4	1/2-13
CB3632T	364U/365U	324T/326T	263	A8	12	1	3 11/16	16 1/2	5/8-11
CB4036T	404U/405U	364T/365T	361	A8	20	1	4 1/4	18 5/8	5/8-11

NOTE: Dimensions are for one piece. Two pieces supplied. Design is for horizontal mounting. Motor shimming may be required for direct drive applications.

Metric Frame Weld On Bases

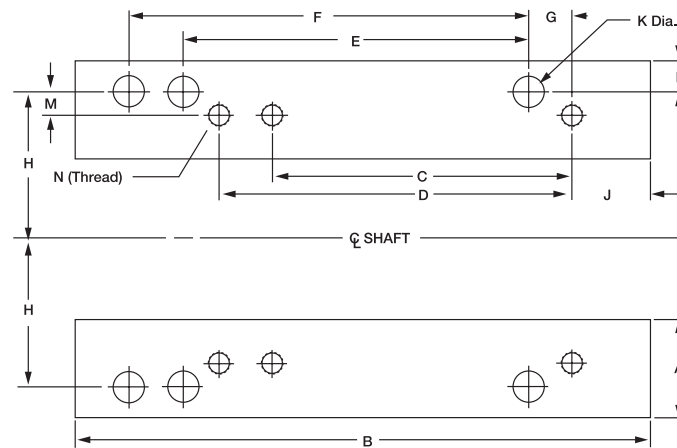
Heavy duty, stamped steel metric bases for welding to steel band motor designs. These give metric base mounting dimensions to NEMA frame motors.



IEC Frame	Catalog Number	Description	List Price	Mult. Sym.	Ap'x Shpg. Wgt.
D71	MB3371	33/42	22	A8	1
D80	MB3480	34/48-56	27	A8	1
D90	MB3590	35/56-145	28	A8	2
D112	MB36112	36/182-184	47	A8	3
D132	MB37132	37/213-256	64	A8	6

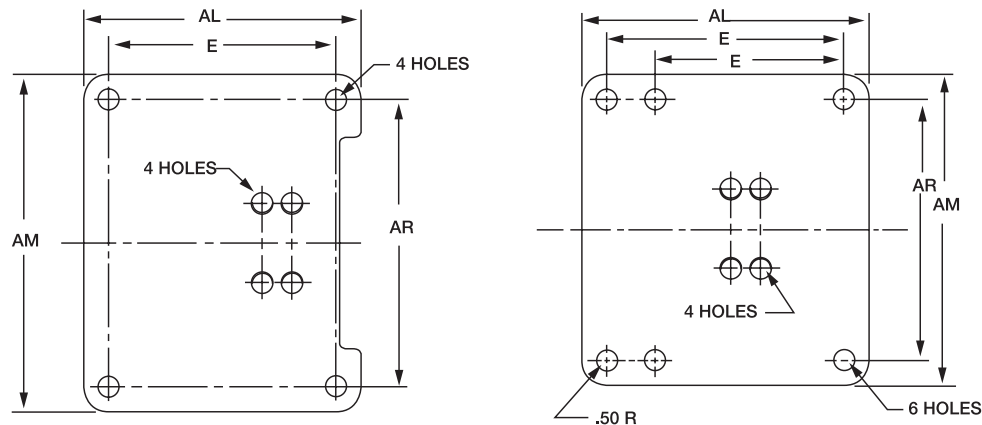
NOTE: See base dimensions on next page.

Conversion Bases Dimension Diagrams



Catalog Number	Converts From	Converts To	A	B	Height	C	D	E	F	G	H	J	K	L	M	N(Thread)
CB1814T	182-184	143T-145T	2.25	7.50	1.00	4.00	5.00	4.50	5.50	0.50	3.75	1.00	0.437	0.50	1.0	5/16-18
CB2118T	213-215	182T-184T	1.75	8.50	0.75	4.50	5.50	5.50	7.00	1.00	4.25	1.00	0.437	0.437	0.5	3/8-16
CB2521T	254U-256U	213T-215T	2.437	12.75	1.00	5.50	7.00	8.25	10.00	1.125	5.00	1.00	0.562	0.625	0.75	3/8-16
CB2825T	284U-286U	254T-256T	2.75	14.25	0.75	8.25	10.00	9.50	11.00	1.375	5.50	1.25	0.562	0.937	0.5	1/2-13
CB3228T	324U-326U	284T-286T	3.25	15.75	1.00	9.50	11.00	10.50	12.00	1.50	6.25	1.50	0.687	0.937	0.75	1/2-13
CB3632T	364U-365U	324T-326T	3.687	16.50	1.00	10.50	12.00	11.25	12.25	1.75	7.00	1.75	0.687	1.187	0.75	5/8-11
CB4036T	404U-405U	364T-365T	4.25	18.625	1.00	11.25	12.25	12.25	13.75	2.00	8.00	2.00	0.812	1.25	1.0	5/8-11

Metric Weld On Bases Dimension Diagrams



IEC Frame	E	AL	AM	AR
D71	3.531	4.25	5.125	4.406
D80	3.937	5.125	6.00	4.921
D90S	3.937			
D90L	4.921	5.937	6.50	5.50
D112S	4.50			
D112M	5.50	6.50	8.625	7.50
D132S	5.50			
D132M	7.00	8.00	9.50	8.50

DIMENSIONS ARE FOR REFERENCE ONLY, CONSULT A BALDOR DISTRICT OFFICE FOR CERTIFIED DIMENSIONS

Industrial Grinders**600E**

- Cast aluminum exhaust (gated) type wheel guards
- U.L. Listed, C.S.A. Certified
- Wheel size 6 x 3/4 x 1/2

Catalog Number	Unit (a)	List Price	Mult. Sym.	Hp	Volts (b)	Idle RPM	Shpg. Wgt.
600E	Grinder	202	G1	1/3	115	3600	30
602E	Gr/Buffer	202	G1	1/3	115	3600	27

- Cast aluminum non-exhaust type wheel guards
- U.L. Listed, C.S.A. Certified
- Wheel size 6 x 3/4 x 1/2

Catalog Number	Unit (a)	List Price	Mult. Sym.	Hp	Volts (b)	Idle RPM	Shpg. Wgt.
612 (f)	Grinder	229	G1	1/3	115	3600	30
662 (f)	Gr/Buffer	229	G1	1/3	115	3600	29

**623E**

- Cast iron exhaust type wheel guards
- Cast iron tool rest (except 612E & 662E)
- Wheel size 6 x 3/4 x 1/2

Catalog Number	Unit (a)	List Price	Mult. Sym.	Hp	Volts (b)	Idle RPM	Shpg. Wgt.
612E (c) (d) (f)	Grinder	284	G1	1/3	115	3600	44
623E (c)	Grinder	321	G1	1/3	115	3600	47
623ED (g)	Grinder	435	G1	1/3	115	3600	61
632E	Grinder	321	G1	1/4	115	1800	47
662E (c) (d) (f)	Gr/Buffer	284	G1	1/3	115	3600	43
673E (c)	Gr/Buffer	321	G1	1/3	115	3600	47

**7306**

- Cast iron exhaust type wheel guards
- U.L. Listed
- Wheel size 7 x 1 x 5/8
- 1/2 horsepower

Catalog Number	Unit (a)	List Price	Mult. Sym.	Volts (b)	Phase	Idle RPM	Shpg. Wgt.
712 (d) (f)	Grinder	339	G1	115	1	3600	45
762 (d) (f)	Gr/Buffer	339	G1	115	1	3600	44
712E (d) (f)	Grinder	400	G1	115	1	3600	69
762E (d) (f)	Gr/Buffer	400	G1	115	1	3600	68
7306 (e)	Grinder	437	G1	115/230	1	1800	71
7307 (e)	Grinder	437	G1	115/230	1	3600	70
7351 (e)	Gr/Buffer	437	G1	115/230	1	3600	68
7308 (d) (e)	Grinder	437	G1	208-230/460	3	1800	71
7309 (d) (e)	Grinder	437	G1	208-230/460	3	3600	72

**7306D**

- Cast iron exhaust type wheel guards
- Water pot and lighted eyeshields
- U.L. Listed
- Wheel size 7 x 1 x 5/8
- 1/2 horsepower except 7312D, rated 1/2 / 1/3 HP

Catalog Number	Unit (a)	List Price	Mult. Sym.	Volts (b)	Phase	Idle RPM	Shpg. Wgt.
7306D	Grinder	564	G1	115/230	1	1800	84
7307D	Grinder	564	G1	115/230	1	3600	83
7309D (d)	Grinder	564	G1	208-230/460	3	3600	87
7312D	Grinder	709	G1	115	1	3600/1800	90

NOTE: (a) Grinders supplied with two grinding wheels, one 36 grit and one 60 grit. Grinder/Buffers supplied with one 36 grit grinding wheel and one wire brush wheel 0.014 wire.

(b) 115 Volt and 115/230 volt, single phase, 60 hertz units supplied with start/stop switch, 8 foot 3 conductor cord with plug connected for 115 volts. 208-230/460 volt, three phase, 50/60 hertz units supplied with start/stop switch factory connected for 208-230 volts. No cord and plug supplied.

(c) U.L. Listed.

(d) C.S.A. Certified

(e) Supplied with cast iron tool rests and exhaust type wheel guards.

(f) Supplied with pressed steel tool rests and non-exhaust type guards except 612E, 662E, 712E and 762E which have cast iron exhaust type guards.

(g) Supplied with GA24 water pot, GA25 tool tray and two lighted eyeshields wired through start/stop switch on single phase units only.

Designed to comply with OSHA standards under normal usage.

Industrial Grinders



8100W

- Cast iron exhaust type wheel guards
- Cast iron tool rest
- Wheel size 8 x 1 x 3/4

Catalog Number	Unit (a)	List Price	Mult. Sym.	Hp	Volts (h)	Idle RPM	Shpg. Wgt.
8100W (c)	Grinder	705	G1	3/4	115/230	1800	99
8107W (c)	Grinder	705	G1	3/4	115/230	3600	99
8250W (c)	Gr/Buffer	705	G1	3/4	115/230	3600	97
8102W (c) (d)	Grinder	683	G1	3/4	208-230/460	1800	98
8123W (c) (d)	Grinder	683	G1	3/4	208-230/460	3600	99
8252W	Gr/Buffer	683	G1	3/4	208-230/460	3600	95
8125W (c)	Grinder	683	G1	3/4	575	3600	99



8100WD

- Cast iron exhaust type wheel guards
- U.L. Listed
- Cast iron tool rest
- Water pot & lighted eyeshields
- Wheel size 8 x 1 x 3/4

Catalog Number	Unit (a)	List Price	Mult. Sym.	Hp	Volts (h)	Idle RPM	Shpg. Wgt.
8100WD	Grinder	805	G1	3/4	115/230	1800	110
8107WD	Grinder	805	G1	3/4	115/230	3600	111
8102WD (d)	Grinder	793	G1	3/4	208-230/460	1800	111
8123WD (d)	Grinder	793	G1	3/4	208-230/460	3600	112



1022W

- Cast iron exhaust type wheel guards
- U.L. Listed
- Cast iron tool rest
- Wheel size 10 x 1 x 7/8

Catalog Number	Unit (a)	List Price	Mult. Sym.	Hp	Volts (h)	Idle RPM	Shpg. Wgt.
1022W	Grinder	900	G1	1	115/230	1800	133
1021W (d)	Grinder	888	G1	1 1/2	208-230/460	1800	134
105W (d)	Grinder	888	G1	1 1/2	575	1800	133



1022WD

- Cast iron exhaust type wheel guards
- U.L. Listed
- Cast iron tool rest
- Water pot & lighted eyeshields
- Wheel size 10 x 1 x 7/8

Catalog Number	Unit (a)	List Price	Mult. Sym.	Hp	Volts (h)	Idle RPM	Shpg. Wgt.
1022WD	Grinder	1031	G1	1	115/230	1800	145
1021WD (d)	Grinder	1017	G1	1 1/2	208-230/460	1800	146

NOTE: (a) Grinders supplied with two grinding wheels, one 36 grit and one 60 grit. Grinder/Buffers supplied with one 36 grit grinding wheel and one wire brush wheel 0.014 wire.

(h) 115/230 volts, single phase, 60 hertz units supplied with 8 foot, 3 conductor cord with plug, and start/stop switch connected for 115 volts, reconnectable for 230 volts with plug change. 208-230/460 volts, 3 phase, 50/60 hertz units supplied with start/stop switch factory connected for 208-230 volts, reconnectable for 460 volts except 575 volt units are single voltage. 1022W, 1022WD, and 3 phase units supplied less cord and plug.

(c) U.L. Listed.

(d) C.S.A. Certified

Designed to comply with OSHA standards under normal usage.

BALDOR**Grinders****Industrial Grinders
12 Inch**

BALDOR
Catalog #1215W
with #GA20 Pedestal

- Cast iron tool rests & exhaust type wheel guards
- 1800 idle RPM
- Manual starter with overload protection
- Lighted eyeshields (bulb not included)
- Wheel size 12 x 1-1/4 x 2 (sold separately)
- 3 Phase suitable for 50/60Hz, single-phase 60Hz

Catalog Number	List Price Less Wheels & Pedestal	Mult. Sym.	Hp	Volts	Factory Connected Voltage	Phase	Shpg. Wgt.
1215W	2027	G1	2	208-230/460	230 (j)	3	253
1216W	2098	G1	3	208-230/460	230 (j)	3	254
1217W	2146	G1	2	115/230	230 (j)	1	259
129W	2098	G1	3	575	575	3	256

NOTE: (j) Supplied with manual starter, connected at factory for 230 volts. Specify voltage when ordering.

14 Inch

BALDOR
Catalog #1407W
with #GA20 Pedestal

- Cast iron tool rests & exhaust type wheel guards
- Suitable for 50/60Hz, 1500/1800 idle RPM
- Magnetic starter with overload protection
- Lighted eyeshields (bulb not included)
- Wheel size 14 x 1-1/4 x 3 (sold separately)

Catalog Number	List Price Less Wheels & Pedestal	Mult. Sym.	Hp	Volts	Starter Provides Overload Protection	Shpg. Wgt.
1406W	2601	G1	5	230	Magnetic	359
1410W	2601	G1	5	460	Magnetic	362
1408W	2601	G1	5	575	Magnetic	358
1407W	2837	G1	7 1/2	230	Magnetic	372
1411W	2837	G1	7 1/2	460	Magnetic	381
1409W	2837	G1	7 1/2	575	Magnetic	374

Wheels for 14 Inch Grinders

High quality aluminum oxide and silicon abrasive in a premium vitrified system

Catalog Number	List Price	Mult. Sym.	Diameter	Face	Bore	Grit	Shpg. Wgt.
B125	139	A8	12"	2"	1-1/4"	30	22
B126	139	A8	12"	2"	1-1/4"	46	22

Catalog Number	List Price	Mult. Sym.	Diameter	Face	Bore	Grit	Shpg. Wgt.
B147	261	A8	14"	3"	1-1/4"	30	42
B148	261	A8	14"	3"	1-1/4"	46	41

NOTE: When installing new wheels, check wheels for possible damage. Do not use a damaged wheel. With new wheel installed, all safety guards in place and operator standing away from front of grinder, run grinder for one minute before apply work.

(Wear safety glasses). **Exercise caution. Designed to comply with OSHA standards under normal usage.**

Industrial Grinders 6 Inch Diamond Wheel Tool Grinder



Catalog #522

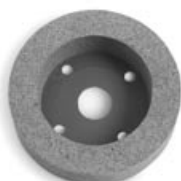


Catalog #D501

6 Inch Carbide Tool Grinder



Catalog #500



Catalog #C61

Features: 1/2 Hp, 3600 Idle RPM, 60 Hz.



Catalog Number	List Price Less Wheels	Mult. Sym.	Volts	Phase	Shpg. Wgt.
522 (k)	1133	G1	115	1	108
532 (l)	1133	G1	208-230/460	3	109

NOTE: Prices include all parts pictured except wheels and bulb for lamp. Rough service bulb is suggested. Locked double row bearings. Guaranteed maximum 0.002 runout on face at periphery. Grinder accommodates cup wheels 6" diameter 1" face recessed 4" dia. 1-1/2" deep, steel backed 1-1/4" center hole. Not CSA certified.

(k) Supplied with reversing switch, 8 foot, 3 conductor cord and plug.

(l) Supplied with reversing switch but less cord and plug,. Connected at factory for 208-230 volts.

Diamond Wheels

Catalog Number	List Price	Mult. Sym.	Face	Grit	Shpg. Wgt.	Description
D501	580	A8	3/4"	120	5	General Purpose Diamond Wheel
D502	580	A8	3/4"	220	2	Fine Finish Diamond Wheel

NOTE: When installing new wheels, check wheel for possible damage. Do not use a damaged wheel. With new wheel installed and all safety guards in place, and operator is standing away from front of grinder, run grinder for one minute before applying work. **(Wear safety glasses). Exercise caution.**

Features: 1/2 Hp, 3600 Idle RPM, 60 Hz.



Catalog Number	List Price Less Wheels	Mult. Sym.	Volts	Phase	Shpg. Wgt.
500 (k)	1008	G1	115	1	109
510 (l)	1008	G1	208-230/460	3	109

NOTE: Prices include all parts pictured except wheels and bulb for lamp. Rough service bulb is suggested. Grinder accommodates cup wheels 6" diameter 1" face recessed 4" dia. 1-1/2" deep, steel backed 1-1/4" center hole. Not CSA certified.

(k) Supplied with reversing switch, 8 foot, 3 conductor cord and plug.

(l) Supplied with reversing switch but less cord and plug,. Connected at factory for 208-230 volts.

Wheels and Accessories

Catalog Number	List Price	Mult. Sym.	Face	Grit	Shpg. Wgt.	Description
C61	88	A8	1"	60	5	Silicone Carbide
C121	88	A8	1"	120	3	Silicone Carbide
S46	81	A8	1"	46	3	Aluminum Oxide
S61	81	A8	1"	60	3	Aluminum Oxide
GA8	97	A8	Wheel Dresser with Diamond NIB			
GA7	58	A8	Diamond NIB for GA8 (7/16 diameter x 1" long)			

NOTE: When installing new wheels, check wheel for possible damage. Do not use a damaged wheel. With new wheel installed and all safety guards in place, and operator is standing away from front of grinder, run grinder for one minute before applying work. **(Wear safety glasses). Exercise caution.**

**Industrial Abrasive
Belt Grinders****Three Position Tiltable****Features:** 1-1/2 Hp, Single and Three Phase

Catalog #248-151D



Catalog #248-181TD



Catalog #248-151TD



Catalog #248-151AS

Catalog Number	List Price	Mult. Sym.	Volts	Idle RPM	Phase	Shpg. Wgt.
248-151TD (n) (c)	1188	G1	115/230	3600	1	95
248-153TD (o) (c)	1153	G1	208-230/460	3600	3	84
248-181TD (m) (p)	1396	G1	115/230	3600	1	138
248-183TD (m) (o) (c)	1357	G1	208-230/460	3600	3	128
248-151AS (q)	1280	G1	115	3600	1	105
Stationary Abrasive Belt Grinder						
2048-151D (n) (c)	1085	G1	115/230	3600	1	88
2048-153D (o) (c)	1049	G1	208-230/460	3600	3	76

NOTE: Belt size 2"x48" - 80 grit. (c) U.L. Listed

(m) Supplied with 8"x1"x3/4" - 36 grit grinding wheel and 2"x48" - 80 grit belt..

(n) Supplied with start/stop switch, eight foot, three conductor cord and plug connected for 115 volts.

(o) Supplied with start/stop switch connected for 208-230 volts, less cord and plug.

(p) Supplied with start/stop switch, connected for 115 volts, but less cord and plug. Not U.L. Listed or CSA Certified.

(q) Supplied with adjustable speed control, start/stop switch, eight foot, three conductor cord and plug. Not U.L. Listed or CSA Certified.

Industrial Buffers

Catalog #333B

Catalog #1458
with #GA20 Pedestal

Features: Buffers are designed for use with soft cloth wheels **ONLY**. Specific buffing applications may require the addition of operator safety devices. Consult with a safety engineer before installation. Price includes flanges and nuts but **does not** include wheels. Single phase buffers 60 hertz, 115/230 volts, except #114 and #111 which are 115 volts. All three phase buffers 50/60 hertz, 208-230/460 volts must be connected for specific voltage.

Catalog Number	List Price	Mult. Sym.	Hp	Phase	Idle RPM	Shaft Dia.	Shpg. Wgt.
114 (r)	256	G1	1/4	1	1800	1/2"	24
111 (r)	256	G1	1/3	1	3600	1/2"	25
332B (r)	504	G1	3/4	1	1800	3/4"	55
333B (r)	504	G1	3/4	1	3600	3/4"	56
334B (o)	492	G1	3/4	3	1800	3/4"	54
330B (o)	492	G1	3/4	3	3600	3/4"	56
407B (s)	668	G1	1	1	1800	7/8"	60
410B (s)	657	G1	1 1/2	1	3600	7/8"	61
409B (o)	642	G1	1 1/2	3	1800	7/8"	59
412B (o)	642	G1	1 1/2	3	3600	7/8"	62
1250 (t)	1550	G1	2	1	1800	1-1/4"	164
1251 (t)	1505	G1	2	1	3600	1-1/4"	160
1252 (t)	1423	G1	3	3	1800	1-1/4"	156
1253 (t)	1383	G1	3	3	3600	1-1/4"	156
1457 (u)	2078	G1	5	3	1200	1-1/4"	228
1458 (u)	1769	G1	5	3	1800	1-1/4"	218
1454 (u)	1977	G1	7 1/2	3	1800	1-1/4"	229
1453 (u)	1869	G1	7 1/2	3	3600	1-1/4"	223

(r) Supplied with eight foot, three conductor cord, plug and switch.

(o) Supplied with start/stop switch connected for 208-230 volts less cord and plug.

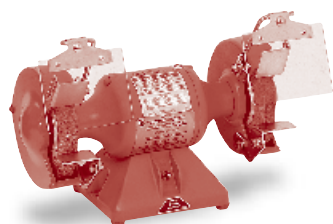
(s) Supplied with switch less cord and plug. Connected at factory for 115 volts.

(t) Supplied with manual starter, connected at factory for 230 volts. Specify voltage when ordering.

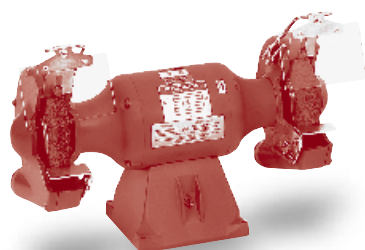
(u) Supplied with magnetic starter, connected at factory for 230 volts. Specify voltage when ordering.

Prices do not include pedestal.

Big Red Grinders



600RE



812RE

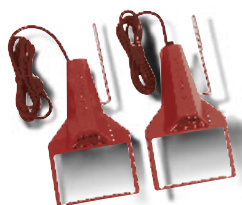
Pedestals



GA16R

GA14R

Lighted Eyeshields



GA9R

GA9SR

- 115 volt single phase 60Hz
- Cast aluminum exhaust (gated) type wheel guards
- U.L. Listed, C.S.A. Certified
- Wheel size 6 x 3/4 x 1/2
- Eight foot 3 conductor cord and plug

Catalog Number	Unit	List Price	Mult. Sym.	Hp	Idle RPM	Shpg. Wgt.
600RE	Grinder	202	G1	1/3	3600	29
602RE	Grinder/Buffer	202	G1	1/3	3600	27

- 115 volt single phase 60Hz
- Cast aluminum exhaust (gated) type wheel guards
- U.L. Listed, C.S.A. Certified
- Wheel size 6 x 3/4 x 1/2
- Eight foot 3 conductor cord and plug

Catalog Number	Unit	List Price	Mult. Sym.	Hp	Idle RPM	Shpg. Wgt.
612R	Grinder	229	G1	1/3	3600	30
662R	Grinder/Buffer	229	G1	1/3	3600	29

- 115 volt single phase 60Hz
- U.L. Listed, C.S.A. Certified
- Wheel size 7 x 1 x 5/8
- Eight foot 3 conductor cord and plug

Catalog Number	Unit	List Price	Mult. Sym.	Hp	Idle RPM	Shpg. Wgt.
712R (w)	Grinder	339	G1	1/2	3600	46
762R (w)	Grinder/Buffer	339	G1	1/2	3600	43
712RE (v)	Grinder	400	G1	1/2	3600	70
762RE (v)	Grinder/Buffer	400	G1	1/2	3600	67

NOTE: (v) Furnished with GA11 eyeshields and cast iron exhaust type guards.
(w) Guards are non-exhaust type. Supplied with GA10 eyeshields.

- 115 volt single phase 60Hz
- U.L. Listed
- Wheel size 8 x 1 x 3/4
- Cast iron exhaust type wheel guards

Catalog Number	Unit	List Price	Mult. Sym.	Hp	Idle RPM	Shpg. Wgt.
812RE	Grinder	667	G1	3/4	3600	99
862RE	Grinder/Buffer	667	G1	3/4	3600	95

Features: GA16R is cast iron base and top plate with steel column. GA14R is fabricated steel.

Catalog Number	Description	List Price	Mult. Sym.	Shpg. Wgt.
GA16R	For 6", 7", 8" grinders and grinder buffers. "Cast Iron" Height 32-7/8" base 15-3/4 wide x 14" deep.	284	A8	62
GA16RE	For 6" & 7" grinders "all steel construction". Height 34" Light Industrial	185	A8	36
GA14R	For 6", 7", 8" grinders and grinder buffers. Height 34-1/2".	214	A8	64
GA20RE	For 8" & 10" grinders "all steel construction". Height 34" Light Industrial	214	A8	54

Features: Cast aluminum frame, 5 1/2" x 3 3/4" viewing area.

Catalog Number	Description	List Price	Mult. Sym.	Shpg. Wgt.
GA9R	Fits Baldor 6"-14" grinders. Supplied less bulbs, rough service bulbs are suggested. 60 watt.	119 (per pair)	A8	5
GA9SR	Same as GA9R except with On/Off switch. U.L. Listed. CSA Certified.	132 (per pair)	A8	5

Accessories

Dust Control Units for Baldor Grinders



Catalog #1022W
with DC10 and GA16

NOTE: Do not collect potentially reactive materials without consulting (NFPA) National Fire Protection Association Standards.

Powered by a 1/2 Hp TEFC single phase Baldor motor with cord, switch, and plug.

230 volt single phase units are available and supplied less switch, cord, and plug. Specify for 230 volt single phase operation.

Collectors with three phase motor less cord, switch, and plug are available. For 208-230/460 volt three phase, add suffix -3 to catalog number. Add \$30.00 to list price.

Mount dust control units with Grinder and GA16 or GA20 pedestal.

115 Volt, Single Phase, 60 Hz.

Catalog Number	Dust Control Unit Price	Mult. Sym.	Grinding Wheel Maximum		Cubic Ft/Min		Air Control Valves	Shpg. Wgt.
			Dia.	Width	Total Cap.	Required Per Wheel By OSHA ^(y)		
DC7	854	A8	7"	1"	440	220	Yes	60
DC8	854	A8	8"	1"	440	220	Yes	62
DC10	854	A8	10"	1"	440	390	Yes (z)	60
DC12	929	A8	12"	2"	440	390	Yes (z)	62
DC12-3	929	A8	12"	2"	440	390	Yes (z)	57
DC14-3 (x)	1517	A8	14"	3"	700	590	Yes (z)	73

NOTE: (x) DC14-3 powered with 1Hp TEFC 208-230/460 volt, three phase motor, less cord, switch, and lug.

(y) From ventilation section 1910.94 table G-4 Federal register vol. 37 #202, 10-18-72.

(z) Air control valve required to direct total CFM of collector to only the wheel being used to meet OSHA CFM requirements on 10" and larger grinders.

Replacement Filter Bags

Catalog Number	List Price	Mult. Sym.	Dust Control Unit
ARB-1	58	A8	DC7, 8, 10, 12, 12-3
ARB-2	81	A8	DC14-3

Accessories

Grinder and Buffer



Item Number	Catalog Number	Description	List Price	Mult. Sym.	Shpg. Wgt.
A	GA16 GA16E	Pedestal "Cast Iron" "Steel"	284 185	A8	62 36
B	GA14	Pedestal "Steel"	214	A8	64
C	GA20 GA20E	Pedestal "Cast Iron" "Steel"	468 214	A8	125 54
D	GA24	Water Pot	30	A8	1
E	GA3	Water Pot	48	A8	7
F	GA25	Tool Tray	32	A8	9
G	GA4	Tool Tray	48	A8	6
H	GA11	Eyeshield	38 pr	A8	2
I	GA10	Eyeshield	35 pr	A8	1
J	GA9	Lighted Eyeshield (less on/off switch)	119 pr	A8	5
J-1	GA9-1	same as GA9 except packed 1 unit per carton	65 ea	A8	3
K	GA9S	Lighted Eyeshield (with on/off switch)	132 pr	A8	6
L	GA13	Eyeshield for 6" Grinders	29 pr	A8	2
M	AB248	Abrasive Belt 2" x 48" - 80 Grit		A8	1

(A) **GA16 Pedestal** for 6", 7", 8" and 10" grinders, carbide and diamond wheel grinders, 1/4 Hp through 1-1/2 Hp buffers and belt grinders. Height 32 7/8".

GA16RE for 6" & 7" grinders "all steel construction". Height 34".

(B) **GA14 Pedestal** - fabricated steel, for 6", 7", 8" and 10" grinders, 1/4 Hp through 1 1/2 Hp buffers. Height 34 1/2".

(C) **GA20 Pedestal** for 8", 10", 12" and 14" grinders and 3/4 through 7-1/2 Hp buffers. Height 30".

GA20RE for 8" & 10" grinders "all steel construction". Height 34".

(D) **GA24 Water Pot** for 623E, 673E, 612E, 662E, and 7" (except #712, #712R, #762, & #762R), 8" and 10" grinders. Supplied with mounting bracket and swivel arm. Capacity 1-1/2 pints.

(E) **GA3 Water Pot** for GA20 pedestal. Capacity 3 pints.

(F) **GA25 Tool Tray** for 623E, 632E, 673E, 612E, 662E and 7" (except #712, #712R, #762, & #762R), 8" and 10" grinders. Supplied with mounting bracket and swivel arm. Diameter 8". Area 48 square inches.

(G) **GA4 Tool Tray** for GA20 pedestal. Dimensions 12" x 6".

(H) **GA11 Eyeshield** - 6" x 4" shatter resistant Plexiglas®. Fits Baldor grinders 7" through 14".

(I) **GA10 Eyeshield** - 5" x 4" shatter resistant Plexiglas®. Fits Baldor 6" grinders and #712, #712R, #762 and #762R.

(J) **GA9 Lighted Eyeshield** - 5 1/2" x 3 3/4" viewing area made of shatter resistant Plexiglas®. Supplied with 8 foot 3 conductor cord with plug. Accommodates standard 115 volt 60 watt bulb. Supplied less bulb and on/off switch. Mounts to Baldor grinders except tool and belt grinders. Adjusts horizontally and vertically. U.L. listed/CSA certified.

(J-1) **GA9-1** - Same as GA9 except packed 1 per carton. 115 volt only.

(K) **GA9S Lighted Eyeshield with On/Off Switch** - 115 volt only.

(L) **GA13 Eyeshield for 600 Series 6" Grinders**

(M) **AB248 Abrasive Belt** - 2" x 48" - 80 Grit.

Accessories Wheels for Grinders



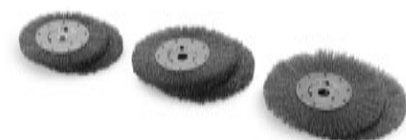
6" 7" 8" 10" 12" 14"

Sewed Cotton Buffing Wheels



6" 8" 10"

Wire Brush Wheels



6" 7" 8"

NOTE: When installing new wheels, check wheel for possible damage. Do not use a damaged wheel. With new wheel installed and all safety guards in place, and operator standing away from front of grinder, run grinder for one minute before applying work. **(Wear safety glasses).**

Exercise Caution.

Single Phase Electronic Motor Brake



Extremely durable aluminum oxide abrasive grain. Excellent for steels and alloy steels. Ideal for numerous general purpose applications.

Catalog Number	List Price	Mult. Sym.	Diameter	Face	Bore	Grit	Shpg. Wgt.
B66	23	A8	6"	3/4"	1/2"	36	2
B67	23	A8	6"	3/4"	1/2"	60	2
B73	33	A8	7"	1"	5/8"	36	4
B74	33	A8	7"	1"	5/8"	60	3
B80	40	A8	8"	1"	3/4"	36	5
B81	40	A8	8"	1"	3/4"	60	4
B102	60	A8	10"	1"	7/8"	36	8
B103	60	A8	10"	1"	7/8"	60	6
B125	139	A8	12"	2"	1-1/4"	30	22
B126	139	A8	12"	2"	1-1/4"	46	22
B147	261	A8	14"	3"	1-1/4"	30	42
B148	261	A8	14"	3"	1 1/4"	46	41

Features: Wheels are muslin cloth, spiral sewn. These bore sizes will fit shafts 1/8" greater diameter than bore.

Catalog Number	List Price	Mult. Sym.	Diameter	Face	Bore	Shpg. Wgt.
A65	13	A8	6"	1/4"	1/2"	1
A82	21	A8	8"	1/4"	3/4"	1
A103	25	A8	10"	1/4"	7/8"	1

NOTE: Cotton wheels are supplied in sections 1/4" wide. Two (or more) sections may be put together to make up wheel of desired width.

Features: Wheels are crimped, carbon steel wire.

Catalog Number	List Price	Mult. Sym.	Diameter	Face	Bore	Diameter of Wire	Shpg. Wgt.
W64	29	A8	6"	5/8"	1/2"	0.014	1
W70	35	A8	7"	5/8"	5/8"	0.014	1
W82	39	A8	8"	3/4"	3/4"	0.014	1

NOTE: Baldor 6", 7" & 8" grinders equipped with grinding wheels can be converted to have wire brush wheels. To properly fit the wire brush wheels, flat washers or spacer must be placed on both sides of the wheel flanges. This will accommodate the width differences between the wire brush wheel and the original grinding wheel. Order washers/spacers as follows:
6" (3) HW1000A50, 7" (2) HA2047A01, 8" (4) HW1000A75

Applications: Efficient alternative to mechanical brakes, suitable for woodworking machinery, machine tools, bench grinders and buffers. Ideal for OEM equipment or for retrofitting into an existing application.

Features: Automatic braking for single-phase motors. User adjustable torque and brake time. Prevents restarts after power has been removed for 7 seconds. Accommodates frequent start/stop applications. Available in panel mount for system integration or with line cord, plug and receptacle in a NEMA 1 enclosure for easy installation.

Catalog Number	Horsepower	Amps	Voltage (60 Hz only)	List Price
Panel Mount				
BQ1-015-CP	1	15	110-125 VAC	550
BQ2-015-CP	2	15	208-230 VAC	550
NEMA 1				
BQ1-015-CC	1	15	110-125 VAC	710
BQ2-015-CC	2	15	208-230 VAC	710

SUFFIX: CP = 6"x5"x3" module without cord, receptacle, switch or enclosure.
CC = 8"x8"x4.5" NEMA 1 enclosure with 9ft. cord, receptacle and switch.
Red catalog number = New item

Polishing Lathes, Chucks



Baldor "Super-Saver" Polishing Lathes

Features: Standard tapered shaft.

Catalog Number	List Price	Mult. Sym.	Hp	No. of Speeds	RPM	Volts	Hertz	Shpg. Wgt.	
								Lbs.	Kg
340	314	G1	1/4	2	3600/1800	115	60	32	14.5
342	314	G1	1/4	2	3000/1500	220-240	50	31	14.1



Baldor Polishing Lathes

Features: Standard tapered shaft.

Catalog Number	List Price	Mult. Sym.	Hp	No. of Speeds	RPM	Volts	Hertz	Shpg. Wgt.	
								Lbs.	Kg
353T	344	G1	1/4	2	3450/1725	115	60	35	15.9
359T	345	G1	1/2	1	3450	115	60	36	16.3



Baldor Heavy Duty Laboratory Lathes

Features: Wells Quick Change Chuck on #380WCT.

Catalog Number	List Price	Mult. Sym.	Hp	No. of Speeds	RPM	Volts	Hertz	Shpg. Wgt.	
								Lbs.	Kg
380WCT	883	G1	1/3	2	3450/1725	115	60	47	21.4
380T	384	G1	1/3	2	3450/1725	115	60	42	19.1

NOTE: 380WCT shipped complete with Wells Quick Chuck installed. Includes 2 mandrels, 2 stones, 1 arbor, and 1 spiral chuck.



Baldor Heavy Duty Single Shaft Lathes

Features: Straight Shaft - 5/8" diameter.

Catalog Number	List Price	Mult. Sym.	Hp	No. of Speeds	RPM	Volts	Hertz	Shpg. Wgt.	
								Lbs.	Kg
LPL50	335	A8	1/2	1	3450	115	60	43	19.5
LPL75	409	A8	3/4	1	3450	115/230	60	48	21.8



R1 R2 L3 L4 R5A R6 L7

Baldor True-Running Chucks

Catalog Number	List Price	Mult. Sym.	Description	Shpg. Wgt. Lbs.	Kg
R1	15	A8	Hard Wheel, Right Hand, Brass	0.2	0.09
R2	17	A8	Soft Wheel, Right Hand, Brass	0.2	0.09
L3	15	A8	Hard Wheel, Left Hand, Brass	0.1	0.05
L4	17	A8	Soft Wheel, Left Hand, Brass	0.2	0.09
R5A	57	A8	Burr Chuck, Right Hand,	0.4	0.18
R6	29	A8	Arbor Band, Right Hand, Brass	0.2	0.09
L7	32	A8	Burr Chuck, Left Hand, Stainless	0.4	0.18

NOTE: R1 & L3 hard wheel chucks accommodate up to 1/4" wide wheel with 1/4" arbor hole.
R6 arbor band chuck accommodates 1/2" wide x 3/4" diameter arbor band.

Dust Collector Bags

Catalog Number	List Price	Mult. Sym.	Description	Shpg. Wgt.	
				Lbs.	Kg
DA1	32	A8	Dust Collector Bag (1 per carton). For Baldor D60 and D61 Dust Collectors	2	0.9

FULL THREE YEAR WARRANTY

Baldor polishing lathes are warranted against burnouts, defective materials, and workmanship for three full years. Warranty covers all parts except those subject to normal wear. "Wells Quick Chuck" warranted one year by manufacturer.

Premier Full Featured Portable Generators

3,000 through 11,000 Watts

Applications

Baldor portable generators are designed to meet your demands when dependable portable power is required. The performance and durability of Baldor portables have made them the generator of choice for industrial and rental/construction applications.

Features

Baldor portable generators are equipped with industrial grade engines to provide the performance and dependability you can count on. Baldor manufactures its own generators and backs them with an industry leading 3-year limited warranty. Baldor portable generators also feature Switchless Full Pow'R, eliminating the need for a Full Power switch. Automatically get the 120V or 240V nameplate power rating without having to flip a switch.

Baldor Premier portable generators incorporate the features you've come to expect from the leader in portable power generation.

- Switchless Full Power – Automatic 120V/240V operation.
- Automatic Idler System – Reduces fuel consumption, extends engine life.
- Focal Vibration System – Reduces vibration, extends generator life.
- Hour meter
- Voltmeter
- Fuel Gauge



OHV30



OHV85E

Catalog Number	Max. Watts	Cont. Watts	Fuel Capacity	Engine	Engine Hp	Volts (60 Hertz)	List Price	Mult. Sym.	Approx. Shpg. Wgt.
OHV30	3000	2500	2.8 Gal.	Honda	5.5	120 VAC	1535	PG	121
OHV40	4000	3500	4.6 Gal.	Honda	8.0	120/240 VAC	2181	PG	193
OHV50H	5000	4000	4.6 Gal.	Honda	9.0	120/240 VAC	2380	PG	193
OHV60	6000	5000	4.6 Gal.	Honda	11.0	120/240 VAC	2807	PG	218
OHV60E ①	6000	5000	4.6 Gal.	Honda	11.0	120/240 VAC	3270	PG	230
OHV85E ①	9000	8000	5.8 Gal.	Vanguard	16.0	120/240 VAC	3697	PG	255
OHV100E ①	10500	9500	5.8 Gal.	Vanguard	18.0	120/240 VAC	6209	PG	324
OHV110E ①	11000	10000	5.8 Gal.	Honda	20.0	120/240 VAC	6914	PG	348

NOTES: OHV60E, OHV85E, and OHV100E are electric start and have recoil start. OHV110E has electric start but no recoil.

① Batteries are not included or available on any Electric Start Models.

Baldor reserves the right to implement specifications or design change without notice.

WARNING: Do not connect generator to any building's electrical system unless a disconnect switch has been installed. Follow local and national electrical codes for proper installation.

WARRANTY: Three-year limited warranty – See Baldor Generators Warranty Policy for details. Engine Warranty per the Engine Manufacturer.

Baldor Premier Portable Generator Specifications

Premier Model	OHV30	OHV40	OHV50H	OHV60	OHV60E	OHV85E	OHV100E	OHV110E
Features								
Switchless Full Pow'R	—	std	std	std	std	std	std	std
AC Voltmeter	—	std	std	std	std	std	std	std
Hourmeter	std	std	std	std	std	std	std	std
AC Circuit Breakers	std	std	std	std	std	std	std	std
Low Oil Shutdown	std	std	std	std	std	std	std	std
Automatic Idler	—	std	std	std	std	std	std	std
Spark Arrestor Muffler	std	std	std	std	std	std	std	std
Extended Run Fuel Tank	std	std	std	std	std	std	std	std
Tubular Roll Cage	std	std	std	std	std	std	std	std
Neoprene Isolators	std	std	std	std	std	std	std	std
Focal Vibration System (FVS)	—	std	std	std	std	std	std	std
3-Year Warranty ②	std	std	std	std	std	std	std	std
Engine Model								
Horsepower	Honda	Honda	Honda	Honda	Honda	Vanguard	Vanguard	Honda
Cylinder (S)	5.5	8.0	9.0	11	11	16	18	20
Lubrication System	1	1	1	1	1	2	2	2
Displacement - CC	Splash	Splash	Splash	Splash	Splash	Pressure	Pressure	Pressure
Starting Systems ①	163	242	270	337	337	480	570	614
	Recoil	Recoil	Recoil	Recoil	12 Volt with Recoil	12 Volt with Recoil	12 Volt with Recoil	12 Volt
Rating								
Max Rating	3000W	4000W	5000W	6000W	6000W	9000W	10500W	11000W
Rated	2500W	3500W	4000W	5000W	5000W	8000W	9500W	10000W
Volts	120VAC	120/240VAC	120/240VAC	120/240VAC	120/240VAC	120/240VAC	120/240VAC	120/240VAC
Amps	20.8	29.2/14.6	33.3/16.7	41.6/20.8	41.6/20.8	66.7/33.4	79.2/39.6	83.3/41.6
dB(A (Ave) @ 7 meters	70	73	73	72	72	75	75	78
Receptacles								
Straight(520R)120V, 20A, Duplex	1	—	—	—	—	—	—	—
Straight(520R GFCI)120V, 20A, Duplex	1	2	2	2	2	2	2	2
Twist Lock(L530R)120V, 30A	—	1	1	1	1	1	1	1
Twist Lock(L1430R)120/240V, 30A	—	1	1	1	1	1	1	1
Twist Lock(CS6369)120/240V, 50A	—	—	—	—	—	—	1	1
Fuel System								
Fuel Capacity (U.S. Gallons)	2.8	4.6	4.6	4.6	4.6	5.8	5.8	5.8
Operation Run Time/Full Load	5 hrs.	5 hrs.	6 hrs.	4 hrs.	4 hrs.	4 hrs.	4 hrs.	4 hrs.
Operation Run Time/Half Load	8 hrs.	9 hrs.	10 hrs.	7 hrs.	7 hrs.	7 hrs.	6 hrs.	6 hrs.
Dimensions								
Length	25.5"	28"	28"	28"	28"	28"	30"	30"
Width	17.5"	20.5"	20.5"	20.5"	20.5"	21.5"	23"	23"
Height	18.0"	22.25"	22.25"	22.25"	22.25"	27.5"	28.5"	28.5"
Weight (Net Dry)	112 lbs	170 lbs	170 lbs	192/206 lbs	192/206 lbs	224 lbs	270 lbs	270 lbs

NOTES: ① Batteries are not included or available on any Electric Start Models.

② Proper engine maintenance is required. Engine warranty per manufacturer.

Baldor reserves the right to implement specifications or design changes without notice.

WARNING: Do not connect generator to any building's electrical system unless a disconnect switch has been installed.

Follow local and national electrical codes for proper installation.

Powerchief® Maximum Value Portable Generators



PC60H

1,100 through 9,000 Watts

Baldor Generators are known for their quality and performance and the Powerchief® Series provides what you've come to expect in a maximum value generator. All Powerchief generators feature industrial grade engines, a Baldor generator with 3-year limited warranty, Switchless Full Pow'R and Focal Vibration System.

Catalog Number	Max. Watts	Cont. Watts	Fuel Capacity	Engine	Engine Hp	Volts (60 Hertz)	List Price	Mult. Sym.	Approx. Shp. Wgt.
PC11R	1100	900	4.2 Qt.	Robin	2.0	120 VAC/12 VDC	1054	PG	65
PC30H	3000	2500	3.8 Qt.	Honda	5.5	120 VAC	1345	PG	108
PC40H	4000	3500	4.6 Gal.	Honda	8.0	120/240 VAC	1743	PG	171
PC50H	5000	4000	4.6 Gal.	Honda	9.0	120/240 VAC	1965	PG	185
PC60H	6000	5000	4.6 Gal.	Honda	11.0	120/240 VAC	2179	PG	211
PC60HE ①	6000	5000	4.6 Gal.	Honda	11.0	120/240 VAC	2729	PG	217
PC90VE ①	9000	8000	4.6 Gal.	Vanguard	16.0	120/240 VAC	2946	PG	236

NOTES: ① Batteries are not included or available on any Electric Start Models.

Baldor reserves the right to implement specifications or design changes without notice.

WARNING: Do not connect generator to any building's electrical system unless a disconnect switch has been installed. Follow local and national electrical codes for proper installation.

Powerchief® Generators with Inverter Technology



PC32Ri

1,650 through 4,300 Watts

Baldor Powerchief inverter generators are powered by air-cooled, 4-Cycle, industrial gasoline engines. An inverter converts DC current into standard household AC current. This new technology now allows inverters to be highly efficient in conjunction with a generator. High quality electrical output power is comparable to public utility sources. Powerchief inverter generators are ideal for powering computers & equipment sensitive to voltage surges.

Features:

- Very Low Noise - quieter operation
- Compact & Lightweight - greater efficiency allows reduction in overall size & weight
- Low Fuel Consumption - inverter technology, combined with throttle control, automatically adjusts engine speed to electrical load, reducing fuel use

Catalog Number	Max. Watts	Cont. Watts	Fuel Capacity	Engine	Engine Hp	Volts	List Price	Mult. Sym.	Approx. Shpg. Wgt.
PC17RI	1650	1400	4.2 Qt.	Robin	2.4	120 VAC/12 VDC	1737	PG	55
PC32RI ①	3200	2800	3.7 Gal.	Robin	7.0	120 VAC/12 VDC	3048	PG	140
PC43RI ①	4300	3800	4.2 Gal.	Robin	9.0	120 VAC/12 VDC	3905	PG	179

NOTES: ① PC32Ri and PC43Ri are electric start.

Baldor Powerchief Portable Generator Specifications

Powerchief Model	PC11R	PC30H	PC40H	PC50H	PC60H	PC60HE	PC90VE	PC17Ri*	PC32Ri*	PC43Ri*
Features										
Switchless Full Pow'R	—	—	std	std	std	std	std	—	—	—
DC Circuit Breakers	std	—	—	—	—	—	—	std	std	std
AC Circuit Breakers	std	std	std	std	std	std	std	std	std	std
Low Oil Shutdown	std	std	std	std	std	std	std	std	std	std
Spark Arrestor Muffler	std	std	std	std	std	std	std	std	std	std
Extended Run Fuel Tank	—	—	std	std	std	std	std	—	std	std
Tubular Roll Cage	—	std	std	std	std	std	std	—	—	—
Neoprene Isolators	std	std	std	std	std	std	std	std	std	std
Focal Vibration System (FVS)	—	—	std	std	std	std	std	—	—	—
3-Year Warranty (2)	std	std	std	std	std	std	std	std	std	std
Engine Model										
Horsepower	2.4	5.5	8	9	11	11	16	2.4	7	9
Cylinder (S)	1	1	1	1	1	1	2	1	1	1
Displacement-CC	85.8	163	242	270	337	337	480	85.8	211	265
Starting Systems (1)	Recoil	Recoil	Recoil	Recoil	Recoil	12 Volt with Recoil	12 Volt with Recoil	Recoil	12 Volt with Recoil	12 Volt with Recoil
Rating										
Max Rating	1100W	3000W	4000W	5000W	6000W	6000W	9000W	1650W	3200W	4300W
Rated	900W	2500W	3500W	4000W	5000W	5000W	8000W	1400W	2800W	3800W
Volts	120VAC/ 12VDC	120VAC	120/240VAC	120/240VAC	120/240VAC	120/240VAC	120/240VAC	120VAC/ 12VDC	120VAC/ 12VDC	120VAC/ 12VDC
Amps	9.1	20.8	29.2/14.6	33.3/16.7	41.6/20.8	41.6/20.8	66.7/33.4	13.7	23.3	31.7
dB(A) (Ave) @ 7 meters	59	70	73	73	72	72	76	59	58	62
Receptacles										
Straight (515R) 120V, 15A, Single	—	1	—	—	—	—	—	—	—	—
Straight (515R) 120V, 15A, Duplex	—	1	—	—	—	—	—	—	—	—
Straight (520R GFCI) 120V, 20A, Duplex	1	—	1	1	1	1	1	1	1	1
Twist Lock (L530R) 120V, 30A	—	—	1	1	1	1	1	—	1	1
Twist Lock (L1430R) 120/240V, 30A	—	—	1	1	1	1	1	—	—	—
Fuel System										
Fuel Capacity (U.S. Gallons)	4.2 qt	3.8 qt	4.6 gal	4.6 gal	4.6 gal	4.6 gal	4.6 gal	4.2 qt	3.7 gal	4.2 gal
Operational Run Time/Full Load	2.5 hr	1.5 hr	4 hr	6 hr	4 hr	4 hr	3.2 hr	2.4 hr	5 hr	3.9 hr
Operational Run Time/Half Load	4.2 hr	2.3 hr	7 hr	10 hr	7 hr	7 hr	5.6 hr	4 hr	8.4 hr	6.6 hr
Dimensions										
Length	19.3"	22"	28"	28"	28"	28"	28"	19.3"	21"	22.8"
Width	11.6"	15.75"	20.5"	20.5"	20.5"	20.5"	21.50"	11.6"	18.9"	20.7"
Height	17.5"	16.5"	22.25"	22.25"	22.25"	22.25"	21.0"	17.5"	22.9"	24.3"
Weight (Net Dry)	55 lbs	94 lbs	162 lbs	162 lbs	187/193 lbs	187/193 lbs	217 lbs	45 lbs	130 lbs	143 lbs

NOTES: * Inverter generator.

① Batteries are not included or available on any Electric Start Models.

② Proper engine maintenance is required. Engine warranty per manufacturer.

Baldor reserves the right to implement specifications or design changes without notice.

WARNING: Do not connect generator to any building's electrical system unless a disconnect switch has been installed. Follow local and national electrical codes for proper installation.

Diesel Portable Generators



DG3E

3,300 through 6,000 Watts

Baldor diesel generators are designed for rugged applications where diesel fuel is readily available. Whether your application is industrial, farm or rental/construction your Baldor diesel generator is built to deliver dependable quality portable power. These generators are fully equipped with a volt meter and hour meter and like the rest of Baldor generators they are backed by a 3-year limited warranty.

Catalog Number	Max. Watts	Cont. Watts	Fuel Capacity	Engine	Engine Hp	Volts (60 Hertz)	List Price	Mult. Sym.	Approx. Shp. Wgt.
DG3E ①	3300	3000	2.75 Gal	Hatz	5.5	120/240 VAC	3582	PG	196
DG6E ①	6000	5500	4.6 Gal	Hatz	9.9	120/240 VAC	4995	PG	273

NOTES: ① Batteries are not included or available on any Electric Start Models.

Baldor reserves the right to implement specifications or design changes without notice.

WARNING: Do not connect generator to any building's electrical system unless a disconnect switch has been installed. Follow local and national electrical codes for proper installation.

Portable Generator Accessories



Baldor offers several accessories for portable generators to enhance portability and easy connection when standby power is needed. Dolly kits are available in 2 or 4 wheel designs and are easy to install. Transfer switches come with indoor rated manual transfer switch, installed circuit breakers, and 25' extension cord ready to connect the transfer switch and generator. Power inlet box kits are also available to provide an outdoor rated connection point for the generator.

Catalog Number	Description	Features	Available for Models	List Price	Mult. Sym.	Approx. Shp. Wgt.
PGD2	2 Wheel Dolly Kit	Two 10" Pneumatic Wheels, Fold Down Handles, Cable Storage Hanger, and Mounting Hardware	Premier, Powerchief and Diesel Models 4,000 to 9,000 Watt	223	G8	20
PGD4	4 Wheel Dolly Kit	Four 10" Pneumatic Wheels, Fold Down Handles, Cable Storage Hanger, and Mounting Hardware	Premier, Powerchief and Diesel Models 4,000 to 11,000 Watt	292	G8	26
GTK30A10	Manual Transfer Switch Kit - 10 Circuit	Indoor Rated Transfer Switch and 25' Generator Ext Cord with L1430 Conn. Transfer Switch Includes circuit breakers, 3 - 15A 1-Pole, 3 - 20A 1-Pole, 1 - 20A 2-Pole, 1 30A 2-Pole, 1 30A 2-Pole Generator Main and 1 60A 2-Pole Main.	Premier, Powerchief and Diesel Models 4,000 to 11,000 Watt	670	G8	37
GTK50A12	Manual Transfer Switch Kit - 12 Circuit	Indoor Rated Transfer Switch and 25' Generator Ext Cord with CS6364/5 Conn. Transfer Switch Includes circuit breakers, 3 - 15A 1-Pole, 3 - 20A 1-Pole, 1 - 20A 2-Pole, 1 30A 2-Pole, 1 50A 2-Pole Generator Main and 1 60A 2-Pole Main.	Premier, Models 10,000 to 11,000 Watt	905	G8	45
GTK30PBK	Power Inlet Box Kit	Outdoor Rated Power Inlet Box with 30 Amp L1430 Plug for connection to Generator Extension Cord. Includes Mating Plug for Transfer Switch connection.	GTK30A10 Transfer Switch	125	G8	4
GTK50PBK	Power Inlet Box Kit	Outdoor Rated Power Inlet Box with 50 Amp CS5365 Plug for connection to Generator Extension Cord. Includes Mating Plug for Transfer Switch connection.	GTK50A12 Transfer Switch	150	G8	5

Baldor Diesel Portable Generator Specifications

Portable Diesel Model		DG3E	DG6E
Features			
Switchless Full Pow'R		std	std
AC Voltmeter		std	std
Hourmeter		std	std
AC Circuit Breakers		std	std
Low Oil Shutdown		std	std
Spark Arrestor Muffler		std	std
Extended Run Fuel Tank		std	std
Tubular Roll Cage		std	std
Neoprene Isolators		std	std
Focal Vibration System (FVS)		std	std
3-Year Warranty ②		std	std
Engine Model		Hatz 1B30	Hatz 1B40
Horsepower		5.5	9.9
Cylinder (S)		1	1
Displacement - CC		346	461.9
Starting Systems ①		12 Volt with Recoil	12 Volt with Recoil
Rating			
Max Rating		3300	6000
Rated		3000	5500
Volts		120/240 VAC	120/240 VAC
Amps		25/12.5	50/25
dB(A Ave) @ 7 meters		74	76
Receptacles			
Straight (520R GFCI) 120V, 20A, Duplex		1	2
Twist Lock (L530R) 120V, 30A		1	1
Twist Lock (L1420R) 120/240V, 20A		1	—
Twist Lock (L1430R) 120/240V, 30A		—	1
Fuel System			
Fuel Capacity (U.S. Gallons)		2.75	4.6
Operational Run Time/Full Load		5.4 hr	4.6 hr
Operational Run Time/Half Load		9 hr	6 hr
Dimensions			
Length		24.5"	32"
Width		18.5"	20.5"
Height		21.75"	23.75"
Weight (Net Dry)		172 lbs	246 lbs

NOTES: ① Batteries are not included or available on any Electric Start Models.

② Proper engine maintenance is required. Engine warranty per manufacturer.

Baldor reserves the right to implement specifications or design changes without notice.

WARNING: Do not connect generator to any building's electrical system unless a disconnect switch has been installed.

Follow local and national electrical codes for proper installation.

**For information about Servo Motors and Controls,
Contact your local Baldor District Office**



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Accessories

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and Controls

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Motor Mod Express™

Ordering Information

To order, specify the catalog number of the stock product and the MOD number. Use the motor discount for the motor. All modifications should be priced using the modification list price, applying the MX multiplier symbol. **Lead times indicated are subject to availability of stock motors in the Fort Smith Warehouse.** Customer will absorb all freight costs when motor is shipped to Fort Smith from field warehouses.

**NOTE: Some modifications do not apply to explosion-proof motors.
Contact Baldor for Approval.**

MOD Express Cancellation Policy

Should it be necessary to cancel an order for a motor after it is modified, but before it ships – a cancellation charge of double the modification charge will be invoiced to the customer. Any MOD order cancelled before modification is completed is subject to 25% cancellation charge.

Once shipped, modified motors returned at purchaser's expense will be invoiced at double the MOD fee plus 10% restock fee.

NOTICE

No charge orders will no longer be accepted nor processed. This includes warranty replacement orders. The correct method is to charge for the replacement order and issue credit for the first order. We will continue to fix any Mod Express error at no charge to our customer.

Note

All lead times indicated are subject to availability of stock motors and parts in the Fort Smith warehouse. Please check stock availability before quoting lead time.

Some conversions may not be allowed if they result in a change of operating parameters that affect efficiency or change the classification of EPMotors.

Modification prices do not include the cost of the motor, speed reducer, etc.

**Modification
Number****Motor Mod Express™
Description and List Price****Working Days
Required****M1 Balance****M1A****Dynamic Balance of Rotor**

Re-balance stock motor to special balance NEMA 42 through 5011L

TWO
DAYS

Squirrel Cage Type			
NEMA Frame	Standard Balance	Special Balance	List Price Per Motor
42 - 215T	0.15"/s	0.08"/s	165
254T - 447T	0.15"/s	0.08"/s	482
449T	0.15"/s	0.10"/s	508
5007S- 5011L	0.15"/s	0.10"/s	539
DC Motor			
56	0.15"/s	0.08"/s	177
182 - 184	0.15"/s	0.08"/s	324
213 - 215	0.15"/s	0.08"/s	350

NOTE: Balance units are for velocity in inches per second.
449T - up perform in Charlotte. Contact Baldor for time.

M2 Bearings**M2A****Sealed**

NEMA 42 through 215T AC stock motors have double shielded bearings as standard. DC motors have sealed bearings. This modification provides the option of replacing standard bearings in AC motors with sealed bearings.

TWO
DAYS

NEMA Frame	List Price Per Motor Sealed
42	118
48	118
56	118
143 - 145T	122
182 - 184T	133
213 - 215T	143

NOTE: The above modifications are not recommended for NEMA 254T and larger TEFC motors.
Contract your Baldor Representative.

Grease fittings will be replaced with slotted head pipe plugs unless otherwise specified.

Modification Number

Motor Mod Express™ Description and List Price

Working Days Required

M2 Bearings

M2B

Ball to Roller 1800 RPM or Below

Roller bearings have the capability to handle higher radial loads than ball bearings, but must have minimum radial loads to operate correctly. Roller bearings must only be used in belted loads. they are not suitable for direct-coupled loads. Conversion of any motor to roller bearings should not be performed unless Baldor evaluates the belt load. A roller bearing evaluation sheet must be filled out and calculated by Baldor. Contact your District Office for details. See page 20 for motors stocked with roller bearings.

Does Not Apply to Explosion-Proof Motors

CONTACT
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NEMA Frame	List Price Per Motor
445-447T	1398
449T	1398
5007L - 5011L	1749

NOTE: 447T - 4 pole and slower only. Perform in Charlotte. Contact Baldor for time and freight to ship motor to Charlotte plant.

M2C

Add Thermocouple to Bearing Housing

Iron constantan thermocouples unless specified otherwise.

-CONTACT
YOUR
BALDOR
REPRESENTATIVE

NEMA Frame	List Price Per Bearing
449T - 5011L	875

NOTE: Perform in Charlotte. Contact Baldor for time and freight to ship motor to Charlotte plant.

M2D

Install Bearing Temperature Detector

100 OHM Platinum Standard. (10 OHM and 120 OHM available)

CONTACT
YOUR
BALDOR
REPRESENTATIVE

NEMA Frame	List Price Per Bearing
449T - 5011L	1900

NOTE: Leads for thermocouples or RTD's are brought into separate terminal housing. Price includes adder for M4E. Perform in Charlotte. Contact Baldor for time and freight to ship motor to Charlotte plant.

M2E

Add Double Sealed Bearings NEMA 254T Through NEMA 365T, Open Steel Band Only

Stock motors have double shielded bearings as standard.

TWO
DAYS

NEMA Frame	List Price Per Motor Sealed
254T - 256T	257
284T - 286T	285
324T - 326T	340
364T - 365T	407

NOTE: Grease fittings will be replaced with slotted head pipe plugs.

**Modification
Number****Motor Mod Express™
Description and List Price****Working Days
Required****M3 Brake Motors****M3A****Convert Standard to Weatherproof**

Standard base mounted, TEFC brake motors will be converted to W/P brake motors. Includes replacement of standard brake with W/P brake of the same rating and weatherproofing of motor (See M27).

CONTACT
YOUR
BALDOR
REPRESENTATIVE

Brake Rating lb-ft	List Price Per Motor	Brake Rating lb-ft	List Price Per Motor
3	514	50	666
6	523	75	687
10	531	105	729
15	547	125	1032
25	601	175	1096
35	628	230	1140

NOTE: TENV, C-Face brake motors can be converted also. **TEFC C-Face brake motors cannot be converted.**

M3B**Convert to Vertical Mounting**

Standard brake motors will be modified so that brakes will be operable in a brake-below motor or a brake-above motor vertical mounting position.

CONTACT
YOUR
BALDOR
REPRESENTATIVE

Brake Rating lb-ft	List Price Per Motor	Explosion-Proof List Per Motor-Additional
10 - 15	189	112
25 - 35	221	120
50 - 105	251	131
125 - 175	366	193
230	424	N/A

NOTE: Specify if brake is to be above or below motor

M3C**Add Larger or Smaller Brake (All Types)**

Contact Baldor for application assistance.
\$217 list per brake (plus difference in brake cost)

CONTACT
YOUR
BALDOR
REPRESENTATIVE

Modification Number

Motor Mod Express™ Description and List Price

Working Days Required

M3 Brake Motors continued...

M3D

Electrical Modifications

Brake coils will be changed to allow operation from different voltage supplies for both 50 and 60 hertz AC or from DC supplies. External brake coil lead connections will be brought from the brake or from the motor conduit box when necessary in the application. Specify brake lead location, voltage of brake coil, frequency of supply source. (Allow 2 weeks for brake coil delivery.) \$200 List per brake (plus any difference in coil cost).

CONTACT
YOUR
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REPRESENTATIVE

M3E

Add a Double C-Face Coupler Brake

Double C-Face coupler brakes. Mounts on motors with C-Face. Provides NEMA C-Face mounting on brake. Spring set, electrically released.

CONTACT
YOUR
BALDOR
REPRESENTATIVE

Brake Rating lb-ft	Brake Mounting	List Price Per Motor
3	56C	435
6	56C	742
6	145TC	742
10	145TC	863
15	145TC	1630

NOTE: Rating up to a 105 ft. lb. is available. Contact Baldor Representative for approval and delivery time.

M3F

Remove Brake From a Brake Motor

Brake is removed for customers who will be supplying a brake at their location.

CONTACT
YOUR
BALDOR
REPRESENTATIVE

Brake Rating	List Price Per Motor
All	129

**Modification
Number****Motor Mod Express™
Description and List Price****Working Days
Required****M4 Conduit Box****M4A****Tap or Provide Additional Lead Hole**

Lead outlet hole in conduit box with dimensions as shown below will be tapped to accept threaded conduit as shown in "Optional threaded hole..." column below. An additional clearance hole or threaded hole may be supplied if specified. Use same list adder for threaded hole.

TWO
DAYS

NEMA Frame	Stock Motor		Optional Threaded Hole For Conduit Size	List Price Per Motor	Oversize Box	List Price Per Motor
	Hole Diameter *	For Conduit Size				
48 - 145T	7/8"	1/2"	3/4"	88	48-56	98
182 - 215T	1-1/16"	3/4"	1"	88	143-145T	110
254 - 256T	1-3/8"	1"	1-1/4"	145	182-184T	121
284 - 326T	2"	1-1/2"	2"	145	213-215T	134
364 - 365T	2-1/2"	2"	2-1/2"	145		
404 - 405T	3"	2 1/2"	3"	162		
444 - 447T	3"	2-1/2"	3"	162		

NOTE: * Stock motor lead holes are not threaded except on Dirty Duty and Chemical Process motors. Extra lead holes do not apply to Explosion Proof motors. If additional hole is needed, specify hole diameter and exact location. Contact your Baldor representative for application assistance.

M4B**Rotate Conduit Box Lead Opening**

Specify lead opening location facing conduit box
List Per Motor: \$103

TWO
DAYS**M4C****Add Oversized Cast Iron Conduit Box**

2100 Cubic Inches

TWO
DAYS

NEMA Frame	List Price Per Motor
449T	209

NOTE: Consider use of IEEE 841 motors that have oversized conduit boxes standard.

M4E**Add 3.5" Round Accessory Box**

12 Cubic Inches - for Thermostat, Heater or accessory leads.

-CONTACT
YOUR
BALDOR
REPRESENTATIVE

NEMA Frame	List Price Per Motor
5007L - 5011L	381

NOTE: Perform in Charlotte. Contact Baldor for time.

Modification Number

Motor Mod Express™ Description and List Price

Working Days Required

M4 Conduit Box continued...

M4F

Replace Die Cast Aluminum Conduit Box

Install cast iron conduit box with drilled and tapped entrance hole.

TWO
DAYS

NEMA Frame	List Price Per Motor
42 - 56	88
143 - 215T	106
254 - 286T	162
324 - 365T	196

M5 Cord

M5A

Install Line Cord in Conduit Box or Terminal Panel

Heavy duty, industrial type SO oil resistant cord with ground will be installed in conduit box or terminal panel. Strain relief included. Plug not included. **Does Not Apply to Explosion-Proof Motors**

TWO
DAYS

Wire Gauge	Amp Rating		Six Feet or Less List Price	Each Additional Foot to Ten Max. - List Price
	1φ	3φ		
18	10	7	93	6
16	13	10	93	7
14	18	15	108	8
12	25	20	113	9

NOTE: Specify voltage and rotation facing drive end of motor.

M5B

Install 6 Foot, 3 Conductor, Type SO Cord With Plug

With ground plug for 115VAC, single phase only. Not for explosion proof motors.

TWO
DAYS

Hp	List Price Per Motor
1 and smaller	100

NOTE: Advise rotation facing drive end of motor

**Modification
Number****Motor Mod Express™
Description and List Price****Working Days
Required****M6 Switch****M6A Install Switch, Cord and Plug
(Single Phase Only)**TWO
DAYS

Includes installation of cord with ground prong and two pole single throw switch. **Does Not Apply to Explosion-Proof Motors**

Hp	Rating	List Price per Motor
Thru 2	16-20A/115V or 230V	211

NOTE: Advise voltage and rotation facing drive end of motor

**M6C Change from Mechanical to Electronic
(Single Phase Only)**TWO
DAYS

UP to 2 HP (Includes price of switch). Remove mechanical switch from inside motor and install electronic switch in motor conduit box. Contact Baldor for assistance. List Each: \$221
Does Not Apply to Explosion-Proof Motors

M7 DRAINS**M7A Add Condensation Drain Holes**TWO
DAYS

A maximum of two additional drilled holes will be made in both endplates of 215T frame and smaller TEFC motors.

A maximum of one additional cross-drilled drain fitting will be installed in both endplates of 254T frame and larger TEFC motors.

Does Not Apply to Explosion-Proof Motors

NEMA Frame	List Price Per Motor
215T and Smaller	157
254T - 447T	215
449T - 5011L	526

NOTE: Indicate position of drain holes in each endplate.

M7B Install "T" DrainTWO
DAYS

Install one stainless steel "T" drain in each end bracket in existing hole.

Does Not Apply to Explosion-Proof Motors

NEMA Frame	List Price Per Motor
254T - 5011L	410

Modification Number

Motor Mod Express™ Description and List Price

Working Days Required

M7 Drains continued...

M7C Close Standard Condensation Drain Holes.

Close existing drain holes with plugs.

Does Not Apply to Explosion-Proof Motors

TWO
DAYS

NEMA Frame	List Price Per Motor
215T and Smaller	130
254T - 5011L	157

M7D Add Breather Drains to Cast Iron Explosion-Proof Motor.

TWO
DAYS

NEMA Frame	List Price Per Motor
48 - 215T	192
254 - 449T	319

M8 Dripcovers

M8A Install Dripcover on TEFC or ODP

TWO
DAYS

NEMA Frame	List Price Per Motor ODP or TEFC
48 - 145T	103
182 - 184T	111
213 - 215T	124
254 - 256T	143
284 - 286T	172
324 - 326T	191
364 - 365T	223
404-408T (Nema Frame)	235

**Modification
Number****Motor Mod Express™
Description and List Price****Working Days
Required****M9 Encapsulation****M9A Encapsulate Winding Endturns for Additional
Environmental Protection.**TWO
DAYS

Endturns are coated with Dolphon® CB-1128, flexible motor encapsulation component.

NEMA Frame	List Price Per Motor
48 - 145T	177
182 - 184T	255
213 - 215T	330
254 - 256T	420
284 - 286T	454
324 - 326T	509
364 - 365T	624
404 - 405T	714
444 - 447T	824
449T - 5011L	(Motor has VPI epoxy varnish ENCAP NOT NEEDED)

M10 Leads**M10A Install Terminal Lugs**TWO
DAYS

Specify type of lug. Subject to availability

NEMA Frame	List Price Per Motor
215T and Smaller	103
254 - 326T	118
364 - 447T	133
449T - 5011L	177

**M10B Reconnect Motor from Nine Leads to Three,
Specify Voltage When Ordering**TWO
DAYS

NEMA Frame	List Price Per Motor
42 - 145T	113
182 - 184T	177
213 - 215T	235
254 - 256T	265
284 - 286T	350
324 - 326T	442

NOTE: On explosion proof, leads are connected in conduit box.

Modification Number

Motor Mod Express™ Description and List Price

Working Days Required

M10 Leads continued...

M10C Re-Mark Leads

Using Cloth Markers - Specify Markings, Letters or Numbers
Any Size - List Per Motor: \$113

TWO
DAYS

M10D Longer Leads, Total Length Up To:

NEMA Frame	List Price		
	18 Inches	24 Inches	36 Inches
42-145T	231	286	318
182-184T	241	299	328
213-215T	255	312	344

TWO
DAYS

Does Not Apply to Explosion-Proof Motors

M11 Lubrication

M11A Install Low Temperature Lubricant in Bearings

Bearing grease may be changed to allow an operating temperature range for bearings of -55° to +200°F. Standard grease is Exxon POLYREX®EM, with bearing operating temperature range of -15° to +250°F.

TWO
DAYS

NEMA Frame	List Price Per Motor
48	88
56 - 145T	95
182 - 184T	101
213 - 215T	105
254 - 256T	135
284 - 286T	150
324 - 326T	211
364 - 365T	225
404 - 405T	360
444 - 447T	497

NOTE: Single shield or open bearing only.
Low temperature operation below -25C(-13F)

Does Not Apply to Explosion-Proof Motors

**Modification
Number****Motor Mod Express™
Description and List Price****Working Days
Required****M11 Lubrication continued...****M11B****Add High Temperature or Customer Supplied Grease**

Bearing grease may be changed to allow an operating temperature range above the standard grease, which is Exxon POLYREX®EM, with bearing operating temperature range of -15° to +250°F. Motors must be studied by Fort Smith application engineering for acceptable temperature rise above 40°C ambient.

Customer-supplied grease must be suitable for the motor application and approved by Fort Smith application engineering. Grease must be accompanied with MSDS data sheets.

Does Not Apply to Explosion-Proof MotorsTWO
DAYS

NEMA Frame	List Price Per Motor
48	88
56 - 145T	95
182 - 184T	101
213 - 215T	105
254 - 256T	135
284 - 286T	150
324 - 326T	211
364 - 365T	225
404 - 405T	360
444 - 447T	497

NOTE: Contact your Baldor representative to discuss application prior to ordering.

M12 Seals**M12A****Install Oil Seals**

NEMA Frame	List Price Each
56	241
143T - 145T	241
182T - 184T	267
213T - 215T	295
254T - 256T	407
284T - 286T	477
324T - 326T	539
364T - 365T	679

NOTE: Contact your Baldor representative for larger frame sizes.

Does Not Apply to Explosion-Proof MotorsCONTACT
YOUR
BALDOR
REPRESENTATIVE

Modification Number

Motor Mod Express™ Description and List Price

Working Days Required

M12 Seals continued...

M12B Install Inpro/Seal® Drive End Only

FOUR
DAYS

Contact Baldor for Other Frame Sizes.

NOTE: Contact Baldor for opposite drive end installation.

Does Not Apply to Explosion-Proof Motors

NEMA Frame	List Price Each
143T-215T.	760
254-256T	952
284-286T	1015
324-326T	1077
364-365T	1235
404-405T	1298
445-449T	1581
5007L - 5011L	1863

M13 Mountings

M13A Add Rigid Base

TWO
DAYS

Weld stamped steel base to steel band motors.

Not available if conversion results in motors that fall under EPAAct requirements.

NEMA Frame	List Price Per Motor
42 - 48	118
56	120
143 - 145T	120
182 - 184T	147
213 - 215T	177

NOTE: Not available for cast iron motors.

M13B Install NEMA C-Face Steel Band Motor Construction

TWO
DAYS

Add to rigid base mounted motor. Not for explosion proof motors.

NEMA Frame	List Price Per Motor
42, 48 & 56	155
143 - 145T (1)	155
182 - 184T (1)	170
213 - 215T (1)	207
254 - 256T (2)	395
284 - 286T (2)	536
324 - 326T (2)	701

284T &
LARGER
SUBJECT TO
CASTING
AVAILABILITY

NOTE: (1) These motors will have a non-NEMA BA dimension when C-Face is added.
(2) Applies to ODP only.

Open motors having type numbers beginning with "34" cannot be modified to C-Face. Contact your Baldor representative for details.

**Modification
Number****Motor Mod Express™
Description and List Price****Working Days
Required****M13 Mountings continued...****M13C Install NEMA C-Face - Cast Iron Construction**

Or Install Cast Iron Endplate where aluminum die cast parts are supplied as standard. **Does Not Apply to Explosion-Proof Motors**

TWO
DAYS

NEMA Frame	List Addition Each End	
	NEMA C-Face Price	Endplate Price
48 & 56	165	106
143 - 145T (1)	165	112
182 - 184T (1)	200	118
213 - 215T (1)	229	130
254 - 256T	509	(2)
284 - 286T	701	(2)
324 - 326T	759	(2)
364 - 365T	818	(2)
404 - 405T	1022	(2)
444 - 445T	1227	(2)
447 - 449T	1227	(2)

NOTE: (1) These motors will have a non-NEMA BA dimension when C-Face is added. Specify C-face or Standard horizontal endplate.

(2) Motors have Cast Iron endplates as standard.

Westville open motors cannot be modified to C-Face.

IEEE841 motors cannot be modified to C-Face.

Contact Baldor.

M13D Add NEMA D-Flange

Some motors may be converted to D-Flange mounting. Contact your Baldor representative for availability and pricing.

NOTE: Some metric flanges are available. Contact your Baldor representative.

Does Not Apply to Explosion-Proof Motors

CONTACT
YOUR
BALDOR
REPRESENTATIVE

Baldor Type	NEMA Frame	Open	TEFC	List Price Per Motor
35	56-145T	35EP1604A01	35EP1506A01	282
36	182-4T	36EP1405A09	36EP1304A01 +++	293
306	182-4T	None	36EP1304A01 +++	293
309	254-5U, T	None	09EP1500A04 **	759
310	284-6U, T	None	10EP1502A01	847
42	324-6U, T	42EP1601A01	None	700
312	324-6U, T	None	12EP1501A03	964
314	364-5U, T	14EP1601AA01	14EP1705A01	1110
316	404-5U, T	16EP1601A01	16EP1501A01	1431
318	444-5U, T	18EP1600A01	18EP1500A01	2102

NOTE: ** Must start with motor that already has C-Face on it

+++ These require a special machined D-flange, available only through Mod Express

**M13E Remove Rigid Base From Foot Mounted Steel
Band Motors.**TWO
DAYS

NEMA Frame	List Price Per Motor	NEMA Frame	List Price Per Motor
42 - 48	177	213 - 215T	264
56	182	254 - 256T	375
143 - 145T	182	284 - 286T	425
182 - 184T	221	324 - 326T	522

NOTE: Bases cannot be removed from explosion proof motors.

Modification Number

Motor Mod Express™ Description and List Price

Working Days Required

M13 Mountings continued...

M13F Convert to F-2, Sidewall, or Ceiling Mount

THREE
DAYS

AC motors and DC motors through 10 Hp

Consists of repositioning endplate vents, condensation drains, and where applicable, the conduit box to positions shown in chart on page 339.

Does Not Apply to Explosion-Proof Motors

NEMA Frame	F2		C1 W1		C2 W2		W4 W7		W5	W3 W6		W8	List Price Per Motor
Enclosure	ODP	TEFC	ODP	TEFC	ODP	TEFC	ODP	TEFC		ODP	TEFC		
UP TO 184T	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	235
213 - 215T	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	257
254 - 326T	No	Yes	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	307
365T - 447T	Yes	Yes	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	396
449T - 5011L		Yes		Yes		Yes		Yes			Yes	Yes	729

NOTE: Specify mounting style from the drawings on page 339. Open slotted band motors are not convertible to "C" or "W" mountings. 09 or larger with CB @ 12 o'clock location requires 3 days lead time. Charlotte DC motors would be converted at the Charlotte plant. Contact scheduling to check availability of production motors or to ship motor from Fort Smith for conversion. Contact your Baldor representative.

M13G Add C-Face to Explosion Proof Motors

THREE
DAYS

Only available on NEMA frames shown below.

NEMA Frame	List Price Per Motor
56	189
143 - 145T	189
284 - 286T	1373
324 - 326T	1879
364 - 365T	2102
404 - 405T	2481

NOTE: Any other frame size must be built as a custom item.

M13H Mount Dust Control Unit on Grinders

TWO
DAYS

Wheel Size	List Price Per Motor
All	121

**Modification
Number****Motor Mod Express™
Description and List Price****Working Days
Required****M13 Mountings continued...****M13I Mount Grinder or Buffer onto a Pedestal and
Package for Shipment**TWO
DAYS

Wheel Size	List Price Per Grinder or Buffer
All	121

M13J ADD ADJUSTABLE MOTOR BASES

Adjustable motor bases bolted to fixed base on stock motor before shipping. NEMA 215T and smaller bases feature one adjusting screw. Bases on NEMA 254T frame and larger feature two adjusting screws.

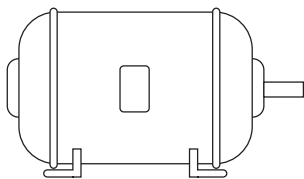
TWO
DAYS

NEMA Frame	List Price Per Motor
48 - 56	129
143T - 145T	148
182T - 184T	154
213T - 215T	167
254T - 256T	268
284T - 286T	293
324T - 326T	401
364T - 365T	508
404T - 405T	695
444T - 445T	821
447T - 449T	946

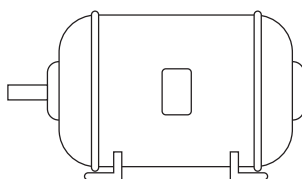
NOTE: Bases not suitable for vertical mounting.

Motor Mod Express™ Mounting Configurations

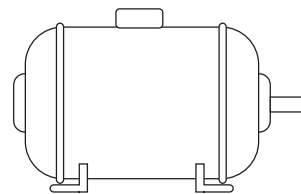
Floor Mountings



Assembly F-1

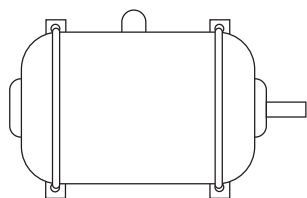


Assembly F-2

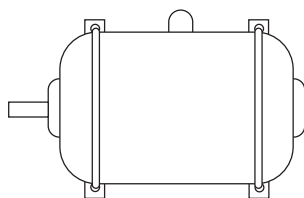


Assembly F-3

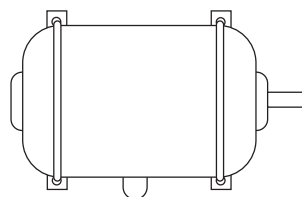
Wall Mountings



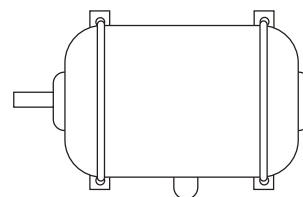
Assembly W-1



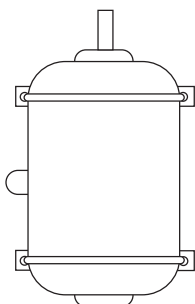
Assembly W-2



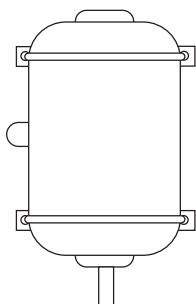
Assembly W-3



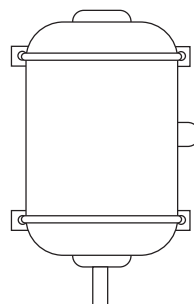
Assembly W-4



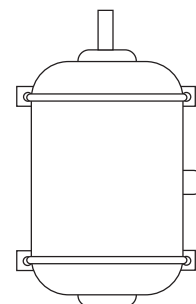
Assembly W-5



Assembly W-6

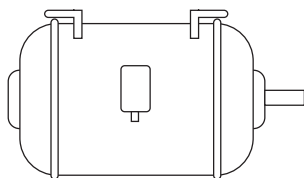


Assembly W-7

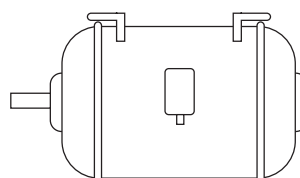


Assembly W-8

Ceiling Mountings



Assembly C-1



Assembly C-2

**Modification
Number****Motor Mod Express™
Description and List Price****Working Days
Required****M14 Export Packaging****M14A Box, Package and Crate**

For under-deck exporting

FOUR
DAYS

NEMA Frame	List Price Each
254 - 286T	571
324 - 365T	853
405 - 447T	1137
449 - 5011L	2730

M15 Nameplate**M15A Provide Auxiliary Data Plate for Remote Mounting**Extra nameplate is packed with motor, not mounted.
List Per Motor: \$86TWO
DAYS**M15B Replace/Add Customer Nameplate**Add Customer Part Number and/or other changes such as voltage,
hertz, etc.
List Per Motor: \$103TWO
DAYS**M15C Replace with Stainless Steel Nameplate**

List Per Motor \$103

TWO
DAYS**M15D Add Bearing Data Nameplate**

List Per Motor \$103

NOTE: Does Not Apply to Explosion-Proof MotorsTWO
DAYS**M15E Mail Out Nameplates to District Offices
(All CSA and ULR markings are removed on nameplates
ordered as a mail out order)****No Explosion Proof Nameplates (No Exceptions!)**

Order minimum charge of \$20 Add \$1 for each additional nameplate.

NOTE: No charge orders only accepted if we are correcting our error.

Nameplates for Explosion-proof motors will not be mailed out, no exceptions.

Modification Number	Motor Mod Express™ Description and List Price	Working Days Required
---------------------	---	-----------------------

M16 Blowers

M16A Add Constant Velocity Blower Unit

Contact Baldor for details.

TWO
DAYS

M16B Convert from a 3 Phase to a Single Phase Blower

TWO
DAYS

NEMA Frame	List Price Per Motor
All	161

M17 Paint

M17A Paint Motor to Baldor Stock Paint Color

Baldor stock colors are: Dark Machinery Gray, Fire Engine Red, Vista Green, Medium Royal Blue, Silver/Grey Hamertone and Copper/Bronze. All are lacquer base.

All orders that call for Epoxy Paint require an additional day to allow for complete drying of paint.

TWO
DAYS

NEMA Frame	List Price Per Motor
42 - 215T	103
254 - 447T	410
449T - 5011L	818

M17B Paint Motor to Customer Color

Contact your Baldor representative for color match, availability and price.

THREE
DAYS
(From Date
Paint is
Available
in Fort Smith)

NOTE: Specifying epoxy paint will add one additional day to allow for complete drying of paint.

**Modification
Number****Motor Mod Express™
Description and List Price****Working Days
Required****M18 Lifting Lugs****M18A Add Lifting Lugs Up to a 326T Frame Size**TWO
DAYS

NEMA Frame	List Price Per Motor
48 - 145T	154
182 - 215T	192
254 - 286T	250
324 - 326T	305

M19 Screens**M19A Add Rodent Screens to Open Drip-Proof Motors**TWO
DAYS

NEMA Frame	List Price Per Motor
48 - 326T	162
364T - 405T	269

M20 Hardware**M20A Exchange Plated Hardware with Stainless Steel**TWO
DAYS

NEMA Frame	List Price Per Motor
145T - 215T	381
254T - 326T	635
364T - 405T	888
447T - 5011	1140

Modification Number

Motor Mod Express™ Description and List Price

Working Days Required

M21 Space Heaters

M21A Add Space Heaters to TEFC or Open Motors

Standard space heater voltage is 110VAC. Heaters for 230 or 460 volts are available. Specify circuit voltage.

TWO
DAYS

NEMA Frame	List Price Per Motor
145T and Smaller	225
182 - 215T	284
254 - 365T	424
404 - 447T	482
449T - 5011L	875

NOTE: Strip type space heaters are standard. 5000 frame perform in Charlotte. Contact Baldor for time.

Does Not Apply to Explosion-Proof Motors

M21B Add Conduit Box for Thermostat or Heater Leads

(See M4E) Not for explosion proof motors.

CONTACT
YOUR
BALDOR
REPRESENTATIVE

NEMA Frame	List Price
Up to 5011L Frame	381

NOTE: Perform in Charlotte. Contact Baldor for time and freight charges to ship motor to Charlotte plant.

M22 Textile Service

M22A Lint Proof Fan Cover for Textile Applications

Remove standard fan cover and replace with textile fan shroud and cover.

TWO
DAYS

NEMA Frame	List Price Per Motor
48 - 145T	206
182 - 184T	269
213 - 215T	304
254 - 256T	434
284 - 286T	511
324 - 326T	565
364 - 365T	670
404 - 405T	729
444 - 447T	787

**Modification
Number****Motor Mod Express™
Description and List Price****Working Days
Required****M23 Thermal Protectors****M23A Thermostats****One or More Thermostats Laced to Winding**

For over temperature protection. These are pilot circuit devices only with leads into conduit box tagged "JJ". Specify normally open or closed contacts.

TWO
DAYS

NEMA Frame	Number of Devices	List Price Per Motor
Single Phase	1	130
Three Phase 42 - 215T	3 (3)	147
Three Phase 254 - 447T	3 (3)	395
Direct Current 48 - 215T	1	147

NOTE: (3) In Series with two leads into conduit box. Normally open are in parallel.

Does Not Apply to Explosion-Proof Motors

M23B Exchange Thermal Overload

Exchange from manual thermal overload to automatic thermal overload or exchange from automatic thermal overload to manual thermal overload.

TWO
DAYS

NEMA Frame	List Price Per Motor
	M.T.O to A.T.O. OR A.T.O. to M.T.O.
48 and 56	162
143 and 145T	166
182 - 184T	191
213 - 215T	264

Does Not Apply to Explosion-Proof Motors

M23C Install Resistance Temperature Detectors

Install on low voltage winding endturns (Six 100 OHM RTD's).

CONTACT
YOUR
BALDOR
REPRESENTATIVE

NEMA Frame	List Price Per Motor
449T - 5011L	2913

NOTE: 449T - up perform in Charlotte. Contact Baldor for time and freight to ship motor to Charlotte plant.

Does Not Apply to Explosion-Proof Motors

Modification Number	Motor Mod Express™ Description and List Price	Working Days Required
---------------------	---	-----------------------

M24 Winding Thermocouples

(3 per motor, 6 foot standard length)

M24A Iron Constantan (3 per motor)

Specify location.

TWO
DAYS

NEMA Frame	List Price Per Thermocouple
42 - 215T	143
254 - 445T	295
449 - 5011L	1749

NOTE: 5000 frame perform in Charlotte. Contact Baldor for time and freight to ship motor to Charlotte plant.

Does Not Apply to Explosion-Proof Motors

M25 Winding Thermistors

NOTE: 5000 frame perform in Charlotte. Contact Baldor for time and freight to ship motor to Charlotte plant.

Does Not Apply to Explosion-Proof Motors

M25A One or Two

List Price: \$240

TWO
DAYS

M25B Three Per Motor

List Price: \$502

TWO
DAYS

**Modification
Number****Motor Mod Express™
Description and List Price****Working Days
Required****M26 Tropicalization****M26A Protection of Windings and Mechanical Parts**

Protection from tropical environments.

TWO
DAYS

NEMA Frame	List Price Per Motor	
	AC	DC
Through 215T	172	251
254 - 365T	248	395
404 - 447T	424	N/A

M27 Weatherproofing**M27A Treatment of Windings and Mechanical Parts**

Protection from the elements or high moisture areas.

TWO
DAYS

NEMA Frame	List Price Per Motor	
	AC	DC
Through 215T	167	248
254 - 365T	248 (4)	395
404 - 447T	424 (4)	N/A

NOTE: (4) Baldor "Dirty Duty", "CP" and "ECP" motors are weatherproofed as standard.**Does Not Apply to Explosion-Proof Motors****M28 Marine Motors****M28A IEEE 45**

A combination of M4A and M27 for frames 215T and smaller plus nameplate stamped IEEE 45. NEMA frames 254T and larger require tapping of conduit box and nameplate stamped IEEE 45.

TWO
DAYS

NEMA Frame	List Price Per Motor	
	AC	DC
42, 48, 56	172	248
143 - 215T	248	395
254 - 365T	287	N/A
404 - 447T	424	N/A

Modification Number

Motor Mod Express™ Description and List Price

Working Days Required

M29 Shaft Modifications

Includes modifications to existing shafts only. Not applicable if new shaft is required. Price each modification per table M29 or M29D.

FIVE
DAYS

NEMA Frame	List Price Per Modification	NEMA Frame	List Price Per Modification
42 - 145T	154	254T - 256T	279
182 - 184T	162	284 - 286T	279
ASM62 (5)	191	324-326T	401
213 - 215T	225	364-365T	445
ASM75 (5)	225	404-405T	502

NOTE: (5) Arbor Saw Motors.

M29A Drill and Tap One Hole in End of Shaft or Mill Flat on Shaft Extension.

Provide details on order. Price this modification per table M29.

THREE
DAYS

M29B Convert from TEFC to TEAO

Cut off shaft extension for external fan. Price this modification per table M29.

Does Not Apply to Explosion-Proof Motors

THREE
DAYS

M29C Threading

Specify right hand or left hand thread, also type and length of thread. Price this modification per table M29.

FIVE
DAYS

M29D Convert "T" Frame to "U" Frame Shaft Dimension or Smaller (TS)

Provide details on order.

FIVE
DAYS

NEMA Shaft	Conversion of T Frame to TS or U Frame	
	Work Days Required	List Price Per Motor
143 thru 145T	5 Days	154
182 thru 215T	5 Days	284
254 thru 286T	5 Days	650
324 thru 365T	5 Days	969
404 thru 449T	5 Days	1598

**Modification
Number****Motor Mod Express™
Description and List Price****Working Days
Required****M29 Shaft Modifications continued...****M29E****Shaft Grounding Brush
Shaft Grounding Systems**

Add Shaft Grounding System unit to opposite shaft end of motor on TEFC, TENV, TEBC and ODP motors. Available for all frame sizes. Shaft grounding brush provides a current path from the rotor to the frame to lessen the chance of bearing fluting. Insolated bearings isolate the shaft, but rotor currents can be passed through a conductive coupling to the driven load and damage bearings there.

TWO
DAYS

NEMA Frame	Baldor Type	List Addition
56 - 5812	35/305 - 322	863

Does Not Apply to Explosion-Proof Motors**M29F****Shorten Shafts Without Reducing the Overall
Diameter**THREE
DAYS

NEMA Shaft	List Price Per Motor
48 - 145T	250
182 - 215T	344
254 - 256T	477
324 - 326T	488

M29G**Special Shafts**

Contact Baldor for price and availability.

M29H**Convert to a Longer Shaft Up to a 215T Frame**

Contact Baldor for price and availability.

M29I**Machine Explosion Proof Motor Shafts from
T to U Frame**

Contact Baldor for price and availability.

Modification Number

Motor Mod Express™ Description and List Price

Working Days Required

M30 Grounding Screw

- M30A Add Grounding Screw On Endplate**
Requirement for UL 1081, swimming pool pump motors (includes slinger.)
List Price: \$95

TWO
DAYS

M31 Tach Mounting Kits

- M31A Add Tach Mounting Kits Only**
Tach mounting kits are listed on page 231-233. These kits are complete and will allow mounting of a BTG1000 or XPY tach generator (tach generator not included).

THREE
DAYS

Baldor Motor Type	List Price Per Motor
3300P	295
3400D/P	366
3500D/P	380
3600D/P	439
7500D	458
9100D	511
180 - 500 Frame	947

NOTE: Price includes tach kit.

- M31B Tach Kit with BTG1000 Tach**
Order tach kit per M31A and order tach separately.

FOUR
DAYS

- M31C Tach Kit with XPY Tach**
Order tach kit per M31A and order tach separately.

FOUR
DAYS

- M31D Add Encoder Kit to Inverter Duty Motor**
Order encoders separately. Encoders are listed on page 169.

TWO
DAYS

NEMA Frame	List Price Per Motor
56-215T	134
254T-404T	281
444T-5009L	439

Gearmotors and
Gear Products

Motor
Accessories

Grinders

Generators

Servo Motors
and Controls

Mod Express

Baldor Education
Workshops

Catalog Index

Baldor
District Offices

**Modification
Number****Motor Mod Express™
Description and List Price****Working Days
Required****M32 Testing****M32A****CSA C390 Method 1 Equivalent to IEEE 112
Method B Performance Testing**

Three phase stock motors will be tested under lab conditions according to CSA C390 (equivalent to IEEE 112b). Complete test data will be supplied.

SEVEN
DAYS

NEMA Frame	List Price Per Motor
42 - 215T	1706
254T - 447T	2558
449T - 5011L	6251

M32B**Witnessed CSA C390 Method 1 Equivalent to
IEEE 112 Method B Performance Testing**

Test schedule must be coordinated with Baldor corporate office.

SEVEN
DAYS

NEMA Frame	List Price Per Motor
42 - 215T	5968
254T - 447T	6821
449T - 5011L	9663

M33 Short Test**M33A****Motor Performance - Short Test**

Three phase or single phase motors will have any or all of the following motor characteristics measured. Test data will be supplied. All data will be taken on cold motor.

No Load Current	Locked Rotor (Starting) Current
Full Load Current	Locked Rotor Torque
Breakdown Torque	Hi-Potential Test

SEVEN
DAYS

NEMA Frame	List Price Per Motor
42 - 215T	200
254 - 447T	427

Modification Number

Motor Mod Express™ Description and List Price

Working Days Required

M34 Worm Gear Modifications

M34A Install Bases on Worm Gear Speed Reducers.

List price include bases.

TWO
DAYS

900 Series				Universal Series	
Size	Horiz. Base	Vertical Low Base	Vertical High Base	Size	Vertical Base (Converts STF to SVF)
913	141	170	172	143	152
918	149	172	174	188	152
921	151	176	178	215	166
924	162	189	193	241	166
926	172	218	220	277	182
932	193	238	243	322	182
				375	193
				429	218

M34B Convert from Single to Double End Output Shaft on Worm Gear Speed Reducers.

List price includes shaft.

TWO
DAYS

900 Series		Universal Series	
Size	Price	Size	Price
913	155	143	152
918	158	188	158
921	158	215	158
924	162	241	166
926	172	277	172
932	172	322	176
		375	191
		429	209

M34C Convert Output Shaft from Left Hand to Right Hand or vice versa on 900 or Universal Series Reducers

\$118 List (Price does not include reducer)

TWO
DAYS

M34D Install Motor on 900 F-Series or Universal STF Series Reducers

\$118 List (Price does not include motor or reducer)

TWO
DAYS

**Modification
Number****Motor Mod Express™
Description and List Price****Working Days
Required****M35 Terminal Blocks****M35A Install IEC Terminal Blocks in Conduit Box
and Connect Leads**TWO
DAYSIEC Frame, stocked with terminal blocks.
Advise how motors leads are to be connected.**Does Not Apply to Explosion-Proof Motors**

NEMA Frame	List Price
34 FRAME - 56-143T	161
35 FRAME - 56-145T	173
182-184	192
213-215	210
254-256	241
284-286	250
324-326	733
364-365	733
404-405	733
444-449	733

M36 Starters**Add Magnetic or Manual Starter to Grinder or Buffer**

Mounted and wired on Baldor industrial grinders and buffers. Starters are in NEMA 1 enclosure and have the push button in cover. Available only as factory installed options. Lead time is dependant on delivery of the starter.

M36A Starter – Single Phase

Full voltage control.

TWO
DAYS

Grinder Wheel Size	Buffer Hp	Manual	Magnetic	
		115/230 Volts	115 Volts	230 Volts
		List Price	List Price	List Price
6"	1/3	356	655	N/A
7"	N/A	356	655	655
8"	3/4	356	742	655
10"	1	356	742	655
N/A	1-1/2	356	742	655
12"	2	Standard Equipment	637	575

NOTE: Specify voltage when ordering.

*Price includes allowance for omission of standard starter.

Modification Number

Motor Mod Express™ Description and List Price

Working Days Required

M36 Starters continued...

M36B Starter – Three Phase

Full voltage control.

TWO
DAYS

Grinder Wheel Size	Buffer Hp	Manual	Magnetic	
		208-230/460 Volts	208-230 Volts	460 Volts
		List Price	List Price	List Price
7"	N/A	412	655	603
8"	N/A	412	655	603
10"	3/4	412	655	603
12"	1	Standard Equipment	461	423
12"	2	Standard Equipment	461	423

NOTE: Specify voltage when ordering.

*Price includes allowance for omission of standard starter.

M36C Magnetic Starter – Three Phase

With Low Voltage Control.

TWO
DAYS

Grinder Wheel Size	Buffer Hp	Magnetic With 110 Volt Control Circuit Transformer	
		208-230 Volts	460 Volts
		List Price	List Price
7"	N/A	1472	1629
8"	N/A	1472	1629
10"	3/4	1472	1629
12"	1	1444	1474
12"	2	1444	1474
14"	5	1444	1474
14"	7-1/2	1444	1474

NOTE: Specify voltage when ordering.

*Price includes allowance for omission of standard starter.

M36D Overload Protection for Dust Control Unit

TWO
DAYS

NEMA Frame	List Price
All	439

NOTE: Must be used with magnetic control.

Contact Baldor for details.

M37 Voltage

M37A Change a Grinder Dust Control Unit from 230/460 Volts to 575 Volts

TWO
DAYS

NEMA Frame	List Price
All	129

**Modification
Number****Motor Mod Express™
Description and List Price****Working Days
Required****M38 Receptacles****M38A****Meltric Receptacles**

Many customers are requesting that motors are shipped to them with quick-connect receptacles that interface with new industrial modular wiring systems. Meltric Corporation and Brad Power design the two most popular systems. These systems do not interchange with each other. Baldor plans to supply the receptacle pre-mounted and wired to the motor conduit box. The customer may purchase other components required for the modular wiring system at a local electrical supply distributor. Note: not for use on explosion proof motors.



DB60



DSN60

Voltage	Maximum HP	Meltric Connector Device	Inlet with Straight Adapter	List Addition
120VAC (1P+N+E)	.5	DSN20	63-19075-S-T113	251
120VAC (1P+N+E)	1	DSN30	63-39075-S-T113	346
120VAC (1P+N+E)	2	DSN60	63-69075-S-T113	486
120VAC (1P+N+E)	3	DB60	89-69075-S-T113	522
120VAC (1P+N+E)	7.5	DB100	89-99075-S-T113	715
240VAC (2P+E)	1	DSN20	63-19072-S-T113	251
240VAC (2P+E)	3	DSN30	63-39072-S-T113	396
240VAC (2P+E)	3	DSN60	63-69072-S-T113	536
240VAC (2P+E)	7.5	DB60	89-69072-S-T133	522
240VAC (2P+E)	10	DB100	89-99072-S-T113	715
240VAC (3P+E)	2	DSN20	63-19073-S-T113	264
240VAC (3P+E)	5	DSN30	63-39073-S-T113	426
240VAC (3P+E)	7.5	DSN60	63-69073-S-T113	594
240VAC (3P+E)	15	DB60	89-69073-S-T113	622
240VAC (3P+E)	30	DB100	89-99073-S-T113	837
480VAC (3P+E)	2	DSN20	63-19043-S-T113	264
480VAC (3P+E)	5	DSN30	63-39043-S-T113	424
480VAC (3P+E)	7.5	DSN60	63-69043-S-T113	594
480VAC (3P+E)	15	DB60	89-69043-S-T113	622
480VAC (3P+E)	30	DB100	89-99043-S-T113	837
600VAC (3P+E)	15	DSN30	63-39143-S-T113	477
600VAC (3P+E)	20	DSN60	63-69143-S-T113	644
600VAC (3P+E)	25	DS60	33-69143-S-T113	652
600VAC (3P+E)	30	DB60	89-69143-S-T113	622
600VAC (3P+E)	60	DB100	89-98143-S-T113	936

NOTE: 2P = 2 power leads (single phase) 3P = 3 power leads (three phase) E = Earth ground

Receptacle fastens to straight adapter that is mounted on conduit box. Smaller 34-35-36-37 types with square conduit boxes may have the adapter fastened to the CB cover. Cast iron motors may need the adapter mounted to the lead outlet side on the conduit box. Receptacles with two additional connections for auxiliary devices are also available at a slightly higher cost.

Baldor does not supply the mating connectors. The receptacles are available mounted to our motors as a convenience to customers wanting motors ready for installation at their facility.

Modification Number

Motor Mod Express™ Description and List Price

Working Days Required

M38 Receptacles continued...

M38B Brad Power Receptacles

Woodhouse Connectivity offers Brad power Physical Media round connection systems for power distribution. This modular cabling system is begging to be adopted by industrial users. Baldor plans to supply the receptacle pre-mounted and wired to the motor conduit box. The customer may purchase other components required for the modular wiring system at a local electrical supply distributor.

Connectors should be sized by motor current. Connectors are male-type and have 4 connectors (3 phase + ground)

Brad Power – Woodhead Connectors

Maximum Voltage	Maximum Amps	Mounting Thread	Brad Power Connector Device	List Addition
600 VAC	10A	.5-14 NPT	1R4006A28AxxxG	251
600 VAC	13A	.5-14 NPT	1R3006A28AxxxG	251
600 VAC	25A	.5-14 NPT	CR4006A30Mxxx	485
600 VAC	30A	.5-14 NPT	CR4C06A30Mxxx	522

Does Not Apply to Explosion-Proof Motors

2006-2007* Customer Education Workshop Registration Form****Understanding Motor Fundamentals**

- ☐ August 14-16
☐ October 16-18
☐ December 11-13

Fundamentals of Drives

- ☐ September 18-20
☐ November 13-15

Fundamentals of Generators (Oshkosh, WI)

- ☐ October 17-18

Fundamentals of Servicing Generators (Oshkosh, WI)

- ☐ August 15-17

Fundamentals of Mint® Programming

- ☐ August 21-23

Fundamentals of Gearmotors & Speed Reducers (Clarksville, AR)

- ☐ October 9-11

Selling & Applying Inverter and Vector Drives

- ☐ November 6-8

Generator Application and Sales (Oshkosh, WI)

- ☐ November 14-15

Recommending, Sizing, and Applying Servo/Motion Products (new class)

- ☐ October 23-25

Selling and Applying Large AC and DC Motors (Charlotte, NC)

- ☐ September 25-27

Advanced Drives: Tools and Options

- ☐ September 25-27

Servo Motor Repair (Westville, OK)

- ☐ October 26-27*

Installation and Setup of H2® Type Controls

- ☐ August 28-30 ☐ November 28-30

Baldor Drives Service Center (BDSC)**

- ☐ August 7-10

Mint® Programming for MintDrive and NextMove

- ☐ October 2-5

* Class dates are tentative for these sessions. Please check our web site at www.baldor.com before registering for these classes.

**Attendance for these classes is restricted. Contact your local Baldor District Office for more information.

*** Classes shown are for the balance of 2006. 2007 class dates were not available at the time of printing this catalog. For 2007 updates and class schedule, please refer to our website at: www.baldor.com/support/custedu.asp.

CLASS LOCATION: All classes will be held at Baldor's World Headquarters in Fort Smith, Arkansas, unless otherwise indicated.

REGISTRATION FEE: The fee for each workshop is \$1195. This includes workshop materials, airfare, hotel accommodations, meals and transportation. Registration forms must be received in writing in order to become a participant in a workshop. Registrations must be received 45 days prior to workshop date desired. Please provide one registration form per person. Form should be faxed to:

Baldor Electric Company Attn: Education Workshop Coordinator
 5711 R.S. Boreham Jr. Street Fort Smith, AR 72901
 Phone: (479) 646-4711 Fax: (479) 648-5959

Workshop dates are subject to change or cancellation based on participation. Notification of cancellation or rescheduling will be made within three weeks of the workshop date. Prior to registering, verify class dates by contacting you local Baldor district office or by checking Baldor's website at www.baldor.com/support/custedu.asp.

RESERVATIONS: Baldor has negotiated special airline arrangements through American Airlines. Baldor will purchase your airline tickets. In most cases, you will travel to Fort Smith on the Sunday before your class begins and depart for home on Wednesday afternoon. To help us in making your travel plans, please have the person enrolled in the class answer these questions: Major airport located nearest to you:

1st choice _____ 2nd choice _____

American Airline frequent flyer number _____ Seating preference _____

☐ Smoking ☐ Non-Smoking Hotel Room **Note:** Pre-assignment not always available.

CONFIRMATION: Workshop confirmation will be sent to you upon receipt of your registration. Hotel confirmation and airline tickets will be sent prior to workshops.

Any and all changes or cancellations must go through the Education Workshop Coordinator at the phone number listed above. No other changes will be permitted to tickets purchased by Baldor. Persons with special dietary or physical requirements are asked to so note on the registration form.

Name _____ Company _____

Work Phone _____ Home Phone _____ Fax _____

Address _____ City _____ State _____ Zip _____

Comments:

All Baldor 3-Day Education Workshop Class Descriptions

Why Offer Training Classes?

To Be the Best . . . as Determined by Our Customers

. . . is the cornerstone of Baldor's mission statement. And because you are a part of Baldor, we want to help you be the best also. Baldor is proud to offer a series of intensive 3-day training workshops. Custom designed for you, these thought-provoking training sessions are more than passive seminars. Workbooks, question and answer sessions, and other structured activities assure participant interaction and involvement. "Hands-on" training supplement these true learning experiences that promise to be beneficial in the field. Just one more example of Baldor working to meet your needs.

Understanding Motor Fundamentals

Course Highlights:

- "Real life" situations on how to match the motor to your customer's application.
- Learn about different ratings, speeds, and enclosures of motors.
- Recognize different families of motors by sight.
- Identify most basic failure modes including warranty conditions.
- Learn about efficiency and what it means to your customers.
- Discuss NEMA standards, HP, RPM, voltage, service factors and frame sizes and what they mean.
- A Brief overview of AC motor control basics.
- "Hands-on" lab exercises

Fundamentals of Drives

Course Highlights:

- Overview and comparison of DC and AC Drive Technologies such as DC SCR Controls, and Inverter and Vector Controls with AC Induction Motors.
- DC and AC motor factors to consider when used with adjustable speed drives.
- "Hands-On" lab sessions with set-up and operation of DC and AC adjustable speed drives.
- Understanding speed, torque, and horsepower formulas and calculations.
- Open Loop vs. Closed Loop feedback techniques and terminology.
- Reading and interpreting Baldor Matched Performance curves and literature.
- Analysis of Constant Torque, Variable Torque, and Constant Horsepower applications and selection of matching drive technology.
- Learn about Baldor's new H2 Control.

Selling and Applying Inverter and Vector Drives

Recommended student skills or experience:

- Industrial Motor Experience
- Basic Electrical & Horsepower Calculation Skills

Course Highlights:

- Overview and comparison of AC Drive Technologies such as Inverter, Vector and Encoderless Vector controls with AC Induction Motors.
- AC motor basics and factors to consider when used with Inverter and Vector controls.
- "Hands-On" lab sessions with set-up, operation, parameter selection, operating modes, and speed/torque command inputs for Inverter and Vector drives.

Selling and Applying Inverter and Vector Drives continued...

- Set-Up, Auto-Tuning, and operation of "H2" family vector controls for speed/torque/position of the AC motor.
- Understanding the proper use of line reactors, load reactors, isolation transformers, and grounding/shielding techniques.
- Vector control and motor encoder/resolver feedback techniques and terminology.
- Reading and interpreting Baldor Matched Performance curves and sizing or selection of motors, controls, and dynamic braking resistors.
- Analysis of Constant Torque, Variable Torque, and Constant Horsepower applications and selection of motors and controls for: conveyors, fans, pumps, machine tool spindles, winder/unwinder, and other industrial applications.

Advanced Drives - Tools And Options

Recommended student skills or experience:

- Setup and operation of Baldor "H2" family drives
- Industrial Motor Controls Experience
- Personal Computer Operation & File Load/Save Skills

Course Highlights:

- Overview and comparison of AC/DC/Servo Drive Technologies such as: Inverter, Vector, DC SCR, and Brushless Servo Drives.
- Analysis of RS-232/485 Serial Communications and networking.
- Use and purpose of "H2" family expansion boards for interfacing to PLCs and other factory automation transducers or devices.
- "Hands-On" lab sessions such as: Computer control of drive and upload/download of drive parameters, Encoder following or leader/follower applications, and Closed loop PID control of water pressure using Inverter to vary the pump speed..
- Set-Up, Auto-Tuning and operation of Vector/Servo control for speed/torque/position.
- Understanding the proper use of line reactors, load reactors, isolation transformers and grounding/shielding techniques for closed loop or process control.
- Analysis of Constant Torque, Variable Torque, and Constant Horsepower applications and selection of motors and controls for: conveyors, fans, pumps, machine tool spindles, winder/unwinder and other industrial applications.

Installation and Setup of H2® Type Controls**Recommended student skills or experience:**

- Industrial Motor Controls Experience
- Basic Electrical and Electronic Controls Knowledge

Course Highlights:

- Proper test equipment for use on PWM type controls and limitations for test equipment.
- What makes a good installation and what to look for on-site before applying power. Proper motor installation and application of line/load reactors.
- Auto-tune troubleshooting for AC and DC controls. What the control is measuring during each auto-tune parameter.
- Hands on lab for students to identify the problems in the control or installation on AC and DC controls.
- How the "H2" Series built in diagnostics can be used to help identify the problem.

Proactive Selling: Taking The Lead**Course Highlights:**

- How to evaluate market conditions, trends and your competitors; business relationships with your firm, your company's position & image in your marketplace.
- How to ask the right questions to better understand the customer's needs.
- Your professional image including appearance, positive attitude and confidence.
- How to look for new prospects and qualify potential customers.
- How to use successful sales practices in face to face selling.
- How to overcome typical customer objections.
- How to overcome price objections through selling value, quality, people, availability, etc.
- How to establish yourself as the customer's partner, build and ensure long term relationships, and monitor their needs. How to probe for hidden needs and opportunities.
- How to handle the tough sales.

Fundamentals of Mint® Programming**Highlights Include:**

This workshop will cover basic concepts of programming and the techniques used to solve motion problems. Structured programming and program flow repetition, subroutines, and interrupt events. Concepts of data structure and math operations will be covered, including constants, variables, arrays, math/logical operators, and functions.

The workshop will demonstrate how a motion problem can be divided into a set of program modules. An example application will illustrate the use of operator menus and screens, use of direct and keyboard inputs/outputs, how to establish user variable input as data arrays, how to establish a position reference, and scaling of distance/speed/acceleration for a motion profile.

Baldor's easy to use Mint language will be used as the basis in learning. The Mint "keywords" to make motion control easy, and "keywords" to simplify program flow will be introduced.

In the hands-on labs, you will configure and tune a drive, and write a program for an actual application using absolute/incremental moves and homing. All the concepts discussed in the workshop will be reinforced by programs written, coded and debugged in the lab exercises.

Recommended student skills or experience:

- Experience with computer systems (MS-DOS or Windows):
- Basic mathematical concepts (geometric coordinates and basic algebra)

Mint®MT Programming for MintDrive^{II} & NextMove^{II}**Highlights Include:**

This highly technical course focuses specifically on Baldor's NextMove & MintDrive motion products using the latest version of Baldor's Mint Programming language.

The course reviews Baldor's drive products with emphasis on MintDrive and NextMove motion controllers. It covers hardware features, configuration and tuning of Mint software. This course covers the programming basics and advanced multi-axis motion control commands of Mint. Includes linear/circular interpolation, velocity/position following, electronic gearing. CAMS, flying shear, and networking applications. The how-to's of interfacing VisualBasic® programming, operator keypad/display panels, and remote I/O modules are demonstrated.

Learn how to set-up, tune, and program Baldor NextMove and MintDrive motion control in the hands-on labs. And how to use the powerful new features on Mint, which includes MintMT and Mint Workbench v5.

Recommended Student Skills or Experience:

- Setup and operation of Baldor Servo Drives
- "Working with Servos" course or equivalent experience
- Windows® based PC experience. Operation and file management
- BASIC programming skills, Visual Basic® preferred.

Fundamentals of Motion**Highlights Include:**

- What are the components of motion? Learn about mass and inertial properties of rotary and linear motion.
- Learn to understand the relationships between velocity, acceleration, and energy of moving bodies.
- Basic Mechanics
 - Inclined Plane
 - Levers
 - Gear Reduction
- Machines of Motion
 - Learn about common power transmission techniques.
 - Direct Drive
 - Rack and Pinion
 - Belt and Pulley
 - Ball Screw
- Learn about the effects of gravity and friction on horizontal and vertical motion applications.
- Extensive Hands-on Labs
 - Use real mechanical devices and interactive software to demonstrate the properties of motion. Observe, measure, and product motion through hands-on experimentation.
 - Use Baldor's Motion Software to calculate the forces and speeds in both rotary and linear motion applications.

Recommended Student Skills or Experience:

- Basic Understanding of Concepts of Physical Science
 - Basic concepts of Motion
 - Basic understanding of Properties of Materials
 - Basic knowledge of using a Windows based PC
 - Basic mathematical skills
 - Simple algebra
 - Basic geometric principles

Selling and Applying Large AC and DC Motors**Course Highlights:**

- Learn why selling to large motor customers is different than selling small NEMA sizes
- Discuss applications in order to supply the right motor
- Identify motor features and benefits
- Understand motor terms and vocabulary
- Learn product capabilities by studying enclosures, windings and insulation systems
- Discuss AC pricing and options
- Understand customer spec sheets
- Learn to provide the proper information to consultants
- View large AC and DC motor production
- Review DC fundamentals
- Discuss DC capabilities and pricing

Generator Application and Sales**Course Highlights:**

- Designed for students who understand generator basics
- Identifying customers' application needs
- Learn features of Baldor's GLC and IDLC generators
- Review generator and transfer switch sizing and application
- Discuss characteristics and features of different control and fuel systems

Fundamentals of Gearmotors and Speed Reducers**Course Highlights:**

- Become familiar with gear nomenclature
- Identify types of speed reducers
- Review gear types, advantages and disadvantages
- Learn how to select the correct speed reducer for the application
- Discuss torque, horsepower, and overhung load
- Review AC and DC motor designs
- Become familiar with Baldor's Gear product line
- Take part in "hands-on" exercises in assembling gear products

Fundamentals of Generators**Course Highlights:**

- For students new to generators
- Electrical and power generation theory is discussed
- Gain understanding of engines and gaseous fuel systems
- Become familiar with Baldor's line of generators
- Learn how to size generators for the customer's application
- Transfer switch options and how they work
- Identifying warranty and how to handle submittals

Fundamentals of Servicing Generators**Course Highlights:**

- Entry-level course in generator troubleshooting and repair
- Review basic electricity and induction, engine and gaseous fuel systems
- Detail discussion on alternators
- Learn systematic troubleshooting
- Practical lab exercise on a TS80R
- Review transfer switches and generator application safety

Servo Motor Repair**Course Highlights:**

- Review servos, controls, and programmable positioners
- Become familiar with servo terminology
- Learn servo motor construction
- Discuss servo controls and positioners and their specific tasks in the servo loop
- Learn about tachometers, Hall sensors, encoders, and resolvers
- Learn tests to perform to help identify servo and feedback problems
- Lab for disassembly and reassembly of servomotors and components
- Discuss equipment needed to repair servos

Baldor Drives Service Center (BDSC)**Course Highlights:**

- Select proper equipment to test a PWM drive
- Step-by-step startup technique to start a drive safely
- AC and DC control troubleshooting
- Using the diagnostic screens to isolate a problem
- Understand proper wiring
- Learn to read and understand the control's event log
- Use parameter adjustments to solve application problems
- Review schematics and interconnect drawings
- Apply techniques learned in a "hands-on" lab

Recommended student skills or experience:

- Setup and operation of Baldor drives
- Industrial motor controls repair experience
- Basic electrical and electronic control knowledge
- Experience reading electrical schematics
- Troubleshooting experience using DMM and scope

**Recommending, Sizing, and Applying
Servo/Motion Products (new class)****Course Highlights:**

- Learn advantages and benefits of Servo Motors compared to other motor technologies
- How to size Servos
- Typical applications for Servo Motors
- Learn how to set up and tune a Servo Drive
- Recommend the best feedback device and control for the application
- Read Speed-Torque Curves
- Understand Motion Controllers
- Accessories needed for Servo application

**Baldor Cross Reference Guide
is now a separate catalog.**

To order use catalog number FM411.

Catalog Number	Page Number	Mult. Sym.	List Price	Shpg. Wgt.*	Alternate Catalog Number	Catalog Number	Page Number	Mult. Sym.	List Price	Shpg. Wgt.*	Alternate Catalog Number
09-1309	296	A8	\$149	22		334B	308	G1	\$492	54	412B
09-1310	296	A8	\$195	22		340	312	G1	\$314	32	353T
10-1304	296	A8	\$224	32		34-171	296	A8	\$36	2	
10-1305	296	A8	\$212	32		342	312	G1	\$314	31	
1021W	305	G1	\$888	134	1021WD	34-3900T	296	A8	\$36	1	
1021WD	305	G1	\$1,017	146	1021W	34-3903A	296	A8	\$39	2	
1022W	305	G1	\$900	133	1022WD	34-3903T	296	A8	\$39	2	
1022WD	305	G1	\$1,031	145	1022W	35-1300	296	A8	\$60	6	
105W	305	G1	\$888	133	129W	35-1325	296	A8	\$66	11	
10EP1502A01SP	297	A8	\$614	39		35-1409	296	A8	\$57	11	
111	308	G1	\$256	25	333B	353T	312	G1	\$344	35	380T
114	308	G1	\$256	24	332B	35-8762	296	A8	\$42	3	
12-1105	296	A8	\$286	48		35-8764	296	A8	\$42	3	
1215W	306	G1	\$2,027	253	1216W	359T	312	G1	\$345	36	353T
1216W	306	G1	\$2,098	254	1406W	35EP1506A01SP	297	A8	\$258	8	
1217W	306	G1	\$2,146	259	1022WD	35EP1604A01SP	297	A8	\$274	8	
1250	308	G1	\$1,550	164		360-5001	297	A8	\$2,928	121	
1251	308	G1	\$1,505	160		36-1037	296	A8	\$66	8	
1252	308	G1	\$1,423	156		36-1206A	296	A8	\$101	13	
1253	308	G1	\$1,383	156		36-1206B	296	A8	\$101	14	
129W	306	G1	\$2,098	256	1408W	36-1749	296	A8	\$66	12	
12EP1501A03SP	297	A8	\$684	50		36-3301	296	A8	\$50	5	
133-6FBA	293	A8	\$41	1		36-3403	296	A8	\$49	5	
1406W	306	G1	\$2,601	359	1407W	36-486	296	A8	\$83	8	
1407W	306	G1	\$2,837	372	1406W	36EP1304A62SP	297	A8	\$143	15	
1408W	306	G1	\$2,601	358	1409W	36EP1405A09SP	297	A8	\$280	8	
1409W	306	G1	\$2,837	374	1408W	37-1302	296	A8	\$107	18	
1410W	306	G1	\$2,601	362	1411W	37-1304	296	A8	\$102	13	
1411W	306	G1	\$2,837	381	1410W	37-1402	296	A8	\$111	18	
14-1303	296	A8	\$617	57		37-1404	296	A8	\$95	14	
14-1401	296	A8	\$451	60		380T	312	G1	\$384	42	380WCT
14-1704	296	A8	\$451	57		380WCT	312	G1	\$883	47	380T
1453	308	G1	\$1,869	223		39-1403	296	A8	\$195	21	
1454	308	G1	\$1,977	229		39-3400	296	A8	\$157	19	
1457	308	G1	\$2,078	228		400-5001	297	A8	\$3,546	179	
1458	308	G1	\$1,769	218		40-1400	296	A8	\$206	30	
14EP1601A01SP	297	A8	\$880	61		40-1401	296	A8	\$255	40	
14EP1705A01SP	297	A8	\$880	73		407B	308	G1	\$668	60	410B
16-1400	296	A8	\$617	78		409B	308	G1	\$642	59	
16-1704	296	A8	\$617	76		410B	308	G1	\$657	61	
16EP1501A01SP	297	A8	\$929	75		412B	308	G1	\$642	62	
16EP1601A01SP	297	A8	\$1,094	67		42-1300	296	A8	\$463	36	
180-5002	297	A8	\$558	18		42-1400	296	A8	\$451	30	
18-1202	296	A8	\$676	128		44-1402	296	A8	\$522	40	
18-1203	296	A8	\$676	118		44-1403	296	A8	\$522	40	
18-1302	296	A8	\$725	182		44-1403A	296	A8	\$522	40	
18EP1500A01SP	297	A8	\$1,557	168		500	307	G1	\$1,008	109	522
18EP1506A01SP	297	A8	\$1,557	150		510	307	G1	\$1,008	109	532
18EP1600A01SP	297	A8	\$1,557	97		522	307	G1	\$1,133	108	
2048-151D	308	G1	\$1,085	88	248-151TD	532	307	G1	\$1,133	109	
2048-153D	308	G1	\$1,049	76	248-153TD	600E	304	G1	\$202	30	602E
210-5001	297	A8	\$669	12		600RE	309	G1	\$202	29	602RE
248-151AS	308	G1	\$1,280	105		602E	304	G1	\$202	27	600E
248-151TD	308	G1	\$1,188	95	2048-151D	602RE	309	G1	\$202	27	600RE
248-153TD	308	G1	\$1,153	84	248-153TD	612	304	G1	\$229	30	612R
248-181TD	308	G1	\$1,396	138		612E	304	G1	\$284	44	623E
248-183TD	308	G1	\$1,357	128		612R	309	G1	\$229	30	612
250-5001	297	A8	\$1,033	75		623E	304	G1	\$321	47	612E
280-5002	297	A8	\$1,369	57		623ED	304	G1	\$435	61	7307D
320-5002	297	A8	\$1,908	87		632E	304	G1	\$321	47	
330B	308	G1	\$492	56	412B	662	304	G1	\$229	29	662R
332B	308	G1	\$504	55	407B	662E	304	G1	\$284	43	673E
333B	308	G1	\$504	56	410B	662R	309	G1	\$229	29	662

NOTE: Baldor has suggested alternate products, however there may be slight differences in performance, efficiency, voltage range, dimensions and mounting. Customers should verify suitability of selected products for their specific application. Shipping weight is approximate.

Geamotors and
Gear Products

Motor
Accessories

Grinders

Generators

Servo Motors
and Controls

Mod Express

Baldor Education
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Baldor
District Offices

Gearmotors and
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Baldor District
Offices

Catalog Number	Page Number	Mult. Sym.	List Price	Shpg. Wgt.*	Alternate Catalog Number	Catalog Number	Page Number	Mult. Sym.	List Price	Shpg. Wgt.*	Alternate Catalog Number
673E	304	G1	\$321	47	662E	AEM4308-4	128	D3	\$7,565	983	
712	304	G1	\$339	45	712R	AEM4311-4	128	L1	\$6,827	778	
712E	304	G1	\$400	69	7307	AEM4312-4	128	D3	\$9,028	987	
712R	309	G1	\$339	46	712	AEM4314-4	128	D3	\$8,176	1004	
712RE	309	G1	\$400	70	712E	AEM4316-4	128	D3	\$10,217	1327	
7306	304	G1	\$437	71	7306D	AEM4400-4	128	D3	\$11,287	1459	
7306D	304	G1	\$564	84	7306	AEM4403-4	128	D3	\$10,563	1328	
7307	304	G1	\$437	70	712E	AEM4404-4	128	D3	\$14,306	1449	
7307D	304	G1	\$564	83	7307	AFL3520A	118	K	\$277	25	
7308	304	G1	\$437	71	7308DP	AFL3521A	118	K	\$327	38	AFL3525A
7309	304	G1	\$437	72	7309D	AFL3522A	118	L1	\$454	43	AFL3523A
7309D	304	G1	\$564	87		AFL3523A	118	L1	\$554	50	
7312D	304	G1	\$709	90		AFL3524A	118	L1	\$579	49	
7351	304	G1	\$437	68	762E	AFL3525A	118	K	\$424	43	
762	304	G1	\$339	44		AFM3528	118	K	\$281	21	AFM3529
762E	304	G1	\$400	68	762RE	AFM3529	118	K	\$305	23	
762R	309	G1	\$339	43	762	AFM3530	118	L1	\$353	31	
762RE	309	G1	\$400	67	762E	AFM3532	118	L1	\$468	49	
8100W	305	G1	\$705	99	8100WD	AM2275-4	127	L1	\$1,439	239	AEM2275-4
8100WD	305	G1	\$805	110	8100W	AM2276-4	127	L1	\$1,826	270	AEM2276-4
8102W	305	G1	\$683	98	8102WD	AM2332-4	127	L1	\$2,299	380	AEM2332-4
8102WD	305	G1	\$793	111	8102W	AM3683-4	127	L1	\$538	72	AEM3683-4
8107W	305	G1	\$705	99	812RE	AM3684-4	127	L1	\$588	81	AEM3684-4
8107WD	305	G1	\$805	111	8107W	AM3686-4	127	L1	\$588	79	AEM3686-4
8123W	305	G1	\$683	99	8123WD	AM3687-4	127	L1	\$677	91	
8123WD	305	G1	\$793	112	8123W	AM3689-4	127	L1	\$616	86	AEM3689-4
8125W	305	G1	\$683	99	129W	AM3782-4	127	L1	\$795	165	AEM3782-4
812RE	309	G1	\$667	99	8107W	AM3783-4	127	L1	\$721	157	AEM3783-4
8250W	305	G1	\$705	97	862RE	AM3784-4	127	L1	\$931	167	AEM3784-4
8252W	305	G1	\$683	95	8123WD	AM3787-4	127	L1	\$891	153	AEM3787-4
862RE	309	G1	\$667	95	8250W	AM4404-4	128	D3	\$10,406	1604	AEM4404-4
A103	311	A8	\$25	1		ANFL3501M	116	K	\$363	24	ANFL3504M
A65	311	A8	\$13	1		ANFL3504M	116	K	\$408	28	ANFL3507M
A82	311	A8	\$21	1		ANFL3507M	116	K	\$476	35	
AB248	310	A8	\$19	1		ANFL3510M	116	K	\$588	41	
ACB003A01	217	E8	\$298	1		ANFL3514M	116	K	\$874	51	
ACBD01A01	243	Z8	\$257	1		AOM25904T	110, 112	L1	\$2,231	213	
ACBD02A01	243	Z8	\$94	2		AOM3454	110, 112	K	\$234	19	AOM3458
ACBD03A01	243	Z8	\$12	2		AOM3458	110, 112	K	\$261	19	
ACBD04A01	243	Z8	\$7	1		AOM3538	110, 112	K	\$307	21	AOM3542
AEM2237-4	127	L1	\$1,634	224		AOM3542	110, 112	K	\$331	23	
AEM2238-4	127	L1	\$1,976	243		AOM3546T	110, 112	L1	\$344	32	
AEM2275-4	127	L1	\$1,854	235		AOM3554T	110, 112	L1	\$359	31	
AEM2276-4	127	L1	\$2,363	254		AOM3556T	110, 112	L1	\$437	38	
AEM2332-4	127	L1	\$2,900	382		AOM3558T	110, 112	L1	\$380	35	
AEM2333-4	127	L1	\$2,747	358		AOM3607T	110, 112	L1	\$499	52	
AEM2334-4	127	L1	\$3,313	407		AOM3611T	110, 112	L1	\$446	55	
AEM3683-4	127	L1	\$704	78		AOM3614T	110, 112	L1	\$535	56	
AEM3684-4	127	L1	\$889	88	AEM3687-4	AOM3615T	110, 112	L1	\$515	74	
AEM3686-4	127	L1	\$756	86	AEM3689-4	AOM3617T	110, 112	L1	\$846	56	
AEM3687-4	127	L1	\$983	98		AOM3702T	110, 112	L1	\$1,284	95	
AEM3689-4	127	L1	\$806	95		AOM3704T	110, 112	L1	\$671	90	
AEM3782-4	127	L1	\$1,097	152		AOM3705T	110, 112	L1	\$1,403	112	
AEM3783-4	127	L1	\$930	155		AOM3708T	110, 112	L1	\$961	114	
AEM3784-4	127	L1	\$1,337	171		AOM3710T	110, 112	L1	\$661	114	
AEM3787-4	127	L1	\$1,218	166		AOM3714T	110, 112	L1	\$802	125	
AEM4100-4	127	L1	\$3,886	491		AP231001	222	DS	\$190	4	AP232001
AEM4102-4	127	L1	\$4,877	513		AP232001	222	DS	\$208	5	AP233001
AEM4103-4	127	L1	\$4,223	542		AP233001	222	DS	\$223	6	AP7401
AEM4104-4	128	L1	\$4,771	562		AP233021	222	DS	\$223	5	AP7421
AEM4111-4	127	L1	\$5,232	734		AP7401	222	DS	\$313	10	
AEM4117-4	128	L1	\$6,069	765		AP7402	222	DS	\$313	10	
AEM4307-4	128	L1	\$5,669	709		AP7421	222	DS	\$313	10	

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AP7422	222	DS	\$313	11		B365T	300	A8	\$373	50	
ARB-1	310	A8	\$58	1		B38H71	291	A8	\$116	15	
ARB-2	310	A8	\$81	2		B38V81	291	A8	\$173	38	
ASM6207	123	L1	\$2,137	102	ASM6210	B38V91	291	A8	\$181	36	
ASM6210	123	L1	\$2,284	101	ASM6215	B404T	300	A8	\$555	62	
ASM6215	123	L1	\$2,662	117		B405T	300	A8	\$555	66	
ASM7510	123	L1	\$2,662	134	ASM7515	B444T	300	A8	\$679	70	
ASM7515	123	L1	\$2,872	151		B445T	300	A8	\$679	71	
B102	311	A8	\$60	8		B447T	300	A8	\$800	93	
B103	311	A8	\$60	6		B449T	300	A8	\$800	99	
B1030H71	294	A8	\$40	1		B48T	300	A8	\$64	3	
B1040H71	294	A8	\$59	2		B5000RLS	300	A8	\$1,206	149	
B1050H71	294	A8	\$81	1		B56T	300	A8	\$64	5	
B1060H71	294	A8	\$98	5		B66	311	A8	\$23	2	
B125	306, 311	A8	\$139	22		B67	311	A8	\$23	2	
B126	306, 311	A8	\$139	22		B73	311	A8	\$33	4	
B1317V81	291	A8	\$72	2		B74	311	A8	\$33	3	
B13H71	291	A8	\$40	3		B80	311	A8	\$40	5	
B13J92	291	A8	\$70	3		B81	311	A8	\$40	4	
B13V81	291	A8	\$71	2		B92	299	A8	\$29	1	
B13V91	291	A8	\$72	3		B93	299	A8	\$37	1	
B143T	300	A8	\$83	6		BC110	233	E9	\$466	5	BC115
B145T	300	A8	\$83	7		BC115	233	E9	\$498	6	BC130
B147	306, 311	A8	\$261	42		BC130	233	E9	\$634	10	
B148	306, 311	A8	\$261	41		BC138	234, 238	E9	\$184	1	BC140
B15H71	291	A8	\$28	4		BC139	234, 238	E9	\$184	1	BC140
B182T	300	A8	\$88	10		BC140	234, 238	E9	\$313	3	BC140-FBR
B184T	300	A8	\$88	10		BC140-FBR	234, 238	E9	\$433	3	
B18H71	291	A8	\$48	6		BC141	235, 239	E9	\$171	1	BC142-6
B18J92	291	A8	\$72	6		BC142	235, 239	E9	\$171	2	BC142-6
B18V81	291	A8	\$73	3		BC142-6	235, 239	E9	\$189	1	BC155
B18V91	291	A8	\$74	3		BC143	234, 237	E9	\$60	2	
B19H71	299	A8	\$49	1		BC144	234	E9	\$104	1	
B2022V81	291	A8	\$75	3		BC145	234	E9	\$178	1	
B213T	300	A8	\$102	14		BC146	234	E9	\$115	1	
B215T	300	A8	\$102	15		BC147	234	E9	\$24	1	
B21GH71	291	A8	\$50	5		BC148	234	E9	\$10	1	
B21H71	291	A8	\$53	6		BC149	234	E9	\$11	1	
B21J92	291	A8	\$80	7		BC151	234	E9	\$70	1	
B21V81	291	A8	\$80	4		BC152	234	E9	\$163	1	
B21V91	291	A8	\$82	6		BC153	236	E9	\$188	1	
B24H71	291	A8	\$63	8		BC154	236, 238	E9	\$396	5	BC160
B24J92	291	A8	\$91	9		BC155	235, 239	E9	\$560	5	
B24V81	291	A8	\$91	4		BC156	236	E9	\$121	1	
B24V91	291	A8	\$97	6		BC157	236	E9	\$21	1	
B2530V81	291	A8	\$117	4		BC158	236	E9	\$50	1	
B2530V91	291	A8	\$118	6		BC159	236	E9	\$26	1	
B254T	300	A8	\$170	21		BC160	236, 238	E9	\$456	3	
B256T	300	A8	\$170	21		BC19H205-CO	245	E1	\$5,005	39	BC20H205-CL
B26H71	291	A8	\$71	9		BC19H210-CO	245	E1	\$5,005	40	BC20H210-CL
B26J92	291	A8	\$122	10		BC19H215-CO	245	E1	\$5,378	39	BC20H215-CL
B26V81	291	A8	\$122	6		BC19H220-CO	245	E1	\$5,814	94	BC20H220-CL
B26V91	291	A8	\$124	9		BC19H225-CO	245	E1	\$6,124	66	BC20H225-CL
B284T	300	A8	\$193	24		BC19H240-CO	245	E1	\$7,853	76	BC20H240-CL
B286T	300	A8	\$193	26		BC19H250-CO	245	E1	\$8,444	104	BC20H250-CL
B30H71	291	A8	\$81	4		BC19H260-CO	245	E1	\$9,330	85	BC20H260-CL
B324T	300	A8	\$299	34		BC19H275-CO	245	E1	\$10,117	94	BC20H275-CL
B326T	300	A8	\$299	37		BC19H4100-CO	245	E1	\$8,818	121	BC20H4100-CL
B32H71	291	A8	\$96	13		BC19H410-CO	245	E1	\$5,097	38	BC20H410-CL
B32V81	291	A8	\$143	10		BC19H4125-CO	245	E1	\$9,701	70	BC20H4125-CL
B32V91	291	A8	\$147	13		BC19H4150-CO	245	E1	\$10,502	115	BC20H4150-CL
B3500V81	291	A8	\$136	5		BC19H4200-CO	245	E1	\$12,876	261	BC20H4200-CL
B364T	300	A8	\$373	48		BC19H420-CO	245	E1	\$5,097	40	BC20H420-CL

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BC19H4300-CO	245	E1	\$17,256	85	BC20H4300-CL	BL3510	132	K	\$942	48	
BC19H430-CO	245	E1	\$5,503	41	BC20H430-CL	BL3516	132	K	\$591	28	BL3517
BC19H440-CO	245	E1	\$5,950	97	BC20H440-CL	BL3517	132	K	\$624	29	BL3518
BC19H450-CO	245	E1	\$6,262	65	BC20H450-CL	BL3518	132	K	\$677	33	BL3510
BC19H475-CO	245	E1	\$8,257	77	BC20H475-CL	BLWL05-L	168	E8	\$631	7	
BC200	237, 239	E9	\$598	4	BC201	BLWL06-L	168	E8	\$712	8	
BC201	237, 239	E9	\$710	1	BC202	BLWL07-L	168	E8	\$747	13	
BC202	237, 239	E9	\$420	1	BC204	BLWL09-L	168	E8	\$767	5	
BC203	237, 239	E9	\$894	1		BLWL10-L	168	E8	\$829	35	
BC204	237, 239	E9	\$320	3	BC200	BLWL12-L	168	E8	\$880	46	
BC20H205-CL	247	E1	\$5,832	42	BC20H210-CL	BLWL14-L	168	E8	\$936	55	
BC20H210-CL	247	E1	\$5,832	42	BC20H215-CL	BLWM07-F	168	E8	\$747	20	
BC20H215-CL	247	E1	\$5,832	40	BC20H220-CL	BLWM09-F	168	E8	\$775	27	
BC20H220-CL	247	E1	\$6,112	103	BC20H225-CL	BLWM10-F	168	E8	\$829	35	
BC20H225-CL	247	E1	\$6,883	95	BC20H240-CL	BLWM12-F	168	E8	\$880	46	
BC20H240-CL	247	E1	\$8,928	82	BC20H250-CL	BLWM14-F	168	E8	\$946	55	
BC20H250-CL	247	E1	\$9,660	80	BC20H260-CL	BLWM16-F	168	E8	\$1,323	70	
BC20H260-CL	247	E1	\$10,215	108	BC20H275-CL	BLWM18-F	168	E8	\$1,854	157	
BC20H275-CL	247	E1	\$12,531	71		BM2333T	132	L1	\$3,766	291	BM2535T
BC20H4100-CL	247	E1	\$10,953	111	BC20H4125-CL	BM2334T	132	L1	\$4,670	327	BM2354T
BC20H410-CL	247	E1	\$6,137	39	BC20H420-CL	BM2353T	132	L1	\$3,398	270	BM2333T
BC20H4125-CL	247	E1	\$12,214	83	BC20H4150-CL	BM2354T	132	L1	\$3,949	322	BM2334T
BC20H4150-CL	247	E1	\$13,359	141	BC20H4200-CL	BM2513T	134	L1	\$3,294	237	BM2333T
BC20H4200-CL	247	E1	\$16,061	285	BC20H4250-CL	BM3108	134	K	\$615	29	BM3538
BC20H420-CL	247	E1	\$6,137	41	BC20H430-CL	BM3112	134	K	\$715	31	BM3542
BC20H4250-CL	247	E1	\$20,114	280	BC20H4300-CL	BM3116	134	K	\$779	34	BM3546
BC20H4300-CL	247	E1	\$22,034	282		BM3116T	134	L1	\$779	35	BM3546T
BC20H430-CL	247	E1	\$6,335	60	BC20H440-CL	BM3154T	134	L1	\$909	44	BM3554T
BC20H440-CL	247	E1	\$6,615	69	BC20H450-CL	BM3157T	134	L1	\$1,027	47	BM3558T
BC20H450-CL	247	E1	\$7,336	98	BC20H475-CL	BM3211T	134	L1	\$1,266	71	BM3611T
BC20H475-CL	247	E1	\$10,150	115	BC20H4100-CL	BM3218T	134	L1	\$1,589	93	BM3248T
BC211	237	E9	\$136	1		BM3248T	134	L1	\$1,343	78	BM3218T
BC212	237	E9	\$182	1		BM3311T	134	L1	\$1,943	131	BM3710T
BC214	237	E9	\$8	1		BM3313T	134	L1	\$2,460	138	BM3714T
BC215	237	E9	\$84	3		BM3538	132	K	\$653	31	BM3542
BC216	237	E9	\$64	1		BM3539	132	K	\$900	29	BM3543
BC218	234, 237	E9	\$29	1		BM3542	132	K	\$763	32	BM3546
BC245	237	E9	\$180	1		BM3543	132	K	\$945	41	
BC24-LF	234	E9	\$62	1		BM3546	132	K	\$886	38	BM3554
BC253	237	E9	\$21	1		BM3546T	132	L1	\$886	39	
BC254	236, 237	E9	\$571	5		BM3554	132	K	\$995	43	BM3558
BC258	237	E9	\$50	1		BM3554T	132	L1	\$995	44	BM3558T
BC259	237	E9	\$21	5		BM3556T	132	L1	\$1,263	48	
BC29D7A110-CO7	241	Z1	\$7,500	23	BC30D7A110-CL7	BM3558	132	K	\$1,019	50	
BC29D7A165-CO7	241	Z1	\$8,572	23	BC30D7A165-CL7	BM3558T	132	L1	\$1,019	52	
BC29D7A243-CO1	241	Z1	\$8,951	44	BC30D7A243-CL1	BM3568	132	K	\$568	27	BM3569
BC29D7A35-CO7	241	Z1	\$5,143	14	BC30D7A35-CL7	BM3569	132	K	\$600	28	BM3538
BC29D7A380-CO1	241	Z1	\$11,198	71	BC30D7A380-CL1	BM3603	132	L1	\$1,207	44	
BC29D7A500-CO1	241	Z1	\$15,007	116	BC30D7A500-CL7	BM3606	132	L1	\$1,290	48	BM3609
BC29D7A70-CO7	241	Z1	\$6,800	23	BC30D7A70-CL7	BM3609	132	L1	\$1,343	55	
BC30D7A110-CL7	243	Z1	\$8,143	23	BC30D7A165-CL7	BM3611T	132	L1	\$1,382	70	
BC30D7A165-CL7	243	Z1	\$10,571	23	BC30D7A243-CL7	BM3614T	132	L1	\$1,691	78	
BC30D7A243-CL1	243	Z1	\$11,385	44	BC30D7A380-CL1	BM3615T	132	L1	\$1,715	88	BM3635T
BC30D7A35-CL7	243	Z1	\$6,958	14	BC30D7A70-CL7	BM3635T	132	L1	\$1,457	88	BM3615T
BC30D7A380-CL1	243	Z1	\$13,967	71	BC30D7A500-CL1	BM3703	132	L1	\$2,030	79	
BC30D7A500-CL1	243	Z1	\$19,160	71		BM3704T	132	L1	\$2,506	147	
BC30D7A70-CL7	243	Z1	\$7,428	23	BC30D7A110-CL7	BM3707	132	L1	\$2,483	94	
BC354	236	E9	\$614	5		BM3710T	132	L1	\$2,206	162	BM3730T
BC440-6	250	E9	\$747	2	BC450-6	BM3714T	132	L1	\$2,807	174	BM3734T
BC450-6	250	E9	\$1,017	2		BM3730T	132	L1	\$2,094	157	BM3710T
BCWD140	236, 238	E9	\$530	6	BC160	BM3734T	132	L1	\$2,323	166	BM3714T
BKP2400	299	A8	\$36	1		BM4103T	132	L1	\$4,945	375	
BL3507	132	K	\$889	42		BM4104T	132	L1	\$6,936	530	

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BQ1-015-CP	258, 311	E7	\$550	4		CB2118T	302	A8	\$99	2	
BQ2-015-CC	258, 311	E7	\$710	4		CB2521T	302	A8	\$114	6	
BQ2-015-CP	258, 311	E7	\$550	4		CB2825T	302	A8	\$155	7	
BQ7-016-CC	258	E7	\$1,289	46	BQ7-030-CC	CB3228T	302	A8	\$213	9	
BQ7-016-CP	258	E7	\$1,143	17	BQ7-030-CP	CB3632T	302	A8	\$263	12	
BQ7-030-CC	258	E7	\$1,360	47	BQ7-055-CC	CB4036T	302	A8	\$361	20	
BQ7-030-CP	258	E7	\$1,214	17	BQ7-055-CP	CBK003-1	135, 297	A8	\$414	12	
BQ7-055-CC	258	E7	\$1,747	53	BQ7-080-CP	CBK006-1	135, 297	A8	\$610	11	
BQ7-055-CP	258	E7	\$1,601	24	BQ7-080-CP	CBK006-2	135, 297	A8	\$610	12	
BQ7-080-CC	258	E7	\$2,547	54	BQ7-135-CC	CBK010-1	135, 297	A8	\$712	12	
BQ7-080-CP	258	E7	\$2,400	28	BQ7-135-CP	CBK015-1	135, 297	A8	\$1,522	12	
BQ7-135-CC	258	E7	\$4,158	173	BQ7-160-CC	CBL015ZD-2	169	E8	\$144	1	CBL030ZD-2
BQ7-135-CP	258	E7	\$3,841	68	BQ7-160-CP	CBL030ZD-2	169	E8	\$167	2	CBL046ZD-2
BQ7-160-CC	258	E7	\$4,826	81	BQ7-250-CC	CBL046ZD-2	169	E8	\$191	2	CBL061ZD-2
BQ7-160-CP	258	E7	\$4,507	74	BQ7-250-CP	CBL061ZD-2	169	E8	\$212	2	CBL091ZD-2
BQ7-250-CC	258	E7	\$5,786	82	BQ7-420-CC	CBL091ZD-2	169	E8	\$258	3	CBL152ZD-2
BQ7-250-CP	258	E7	\$5,465	84	BQ7-420-CP	CBL152ZD-2	169	E8	\$349	6	CBL229ZD-2
BQ7-420-CC	258	E7	\$9,398	341	BQ7-600-CC	CBL229ZD-2	169	E8	\$462	8	
BQ7-420-CP	258	E7	\$7,665	225	BQ7-600-CP	CBL305ZD-2	169	E8	\$575	12	CBL379ZD-2
BQ7-600-CC	258	E7	\$17,328	382		CBL379ZD-2	169	E8	\$690	14	CBL455ZD-2
BQ7-600-CP	258	E7	\$15,596	263		CBL455ZD-2	169	E8	\$749	15	CBL606ZD-2
BR0006	235	E9	\$8	1		CBL606ZD-2	169	E8	\$1,030	16	
BR0010SP	235	E9	\$8	1		CBLD030KP	243	Z8	\$34	1	
BR0015SP	235	E9	\$8	1		CBLD030P3	243	Z8	\$24	1	CBLD030SW
BR0025	235	E9	\$8	1		CBLD030SW	243	Z8	\$31	2	
BR0035	235	E9	\$8	1		CBLDS015KP	253	E8	\$379	2	
BR0050	235	E9	\$8	1		CBLH015KP	215	E8	\$73	1	CBLH030KP
BR0100	235	E9	\$8	1		CBLH030KP	215	E8	\$104	1	CBLH046KP
BR0101	235	E9	\$8	1		CBLH046KP	215	E8	\$133	1	CBLH061KP
BR0180	235	E9	\$8	1		CBLH061KP	215	E8	\$223	2	CBLH091KP
BR0250	235	E9	\$8	1		CBLH091KP	215	E8	\$341	3	CBLH152KP
BR0251	235	E9	\$8	1		CBLH152KP	215	E8	\$447	3	CBLH229KP
BR0350	235	E9	\$8	1		CBLH229KP	215	E8	\$492	4	CBLH305KP
BR0510	235	E9	\$8	1		CBLH305KP	215	E8	\$610	5	
BR1000	235	E9	\$8	1		CBLHH015KP	198	E8	\$44	1	CBLHH030KP
BRMX01	290	A8	\$40	6		CBLHH030KP	198	E8	\$64	1	CBLHH046KP
BRMX02	290	A8	\$71	6		CBLHH046KP	198	E8	\$83	1	CBLHH061KP
BTG1000	232	DS	\$370	7		CBLHH061KP	198	E8	\$102	2	CBLHH091KP
BU100H012	293	A8	\$85	1		CBLHH091KP	198	E8	\$120	3	CBLHH152KP
BU100H014	293	A8	\$85	1		CBLHH152KP	198	E8	\$171	3	CBLHH229KP
BU100H015	293	A8	\$96	1		CBLHH229KP	198	E8	\$247	4	CBLHH305KP
BU107H015	293	A8	\$104	1		CBLHH305KP	198	E8	\$323	5	CBLHH457KP
BU107H100	293	A8	\$104	1		CBLHH457KP	198	E8	\$452	7	CBLHH610KP
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BU107H104	293	A8	\$104	1		CBLSM015KP-W	178	E8	\$217	1	CBLSM046KP-W
BU107H105	293	A8	\$104	1		CBLSM030KP	171, 178	E8	\$249	1	CBLSM046KP
BU115H100	293	A8	\$143	1		CBLSM046KP	171, 178	E8	\$279	5	CBLSM061KP
BU115H107	293	A8	\$143	1		CBLSM046KP-W	178	E8	\$279	3	CBLSM091KP-W
BU115H108	293	A8	\$143	1		CBLSM061KP	171, 178	E8	\$309	1	CBLSM091KP
BU115H110	293	A8	\$143	1		CBLSM091KP	171, 178	E8	\$370	5	CBLSM152KP
BU115H111	293	A8	\$143	1		CBLSM091KP-W	178	E8	\$370	3	
BU115H112	293	A8	\$143	1		CBLSM152KP	171, 178	E8	\$491	1	CBLSM229KP
C121	307	A8	\$88	3		CBLSM229KP	171, 178	E8	\$613	1	CBLSM305KP
C61	307	A8	\$88	5		CBLSM305KP	171, 178	E8	\$796	1	
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CAM3534	128	K	\$328	38		CBM3554T	133	L1	\$1,043	46	
CAM3537	128	K	\$349	28		CBM3558T	133	L1	\$1,072	53	
CAM3538	128	K	\$399	30		CBM3611T	133	L1	\$1,447	75	
CAM3541	128	K	\$384	31		CBM3615T	133	L1	\$1,810	90	
CAM3542	128	K	\$432	34		CBM3710T	133	L1	\$2,308	154	
CAM3545	128	K	\$452	36		CBM3714T	133	L1	\$2,965	166	

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CBM7014T	135	L1	\$2,878	105		CDP3590	222	L1	\$1,464	66	
CBM7023T	135	L1	\$3,484	137		CDP3603	222	L1	\$2,151	110	
CBM7027T	135	L1	\$4,366	215		CDP3604	222	L1	\$2,139	113	
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CD2005P-2	229	N2	\$3,747	188		CDPSWD3406	224	K	\$706	28	
CD2007P-2	229	N2	\$4,496	219		CDPSWD3410	224	K	\$706	29	
CD2010P-2	229	N2	\$5,338	272		CDPSWD3426	224	K	\$836	38	
CD2015P-2	229	N2	\$6,349	408		CDPSWD3430	224	K	\$836	37	
CD3425	227	K	\$458	23		CDPSWD3545	224	K	\$1,237	63	
CD3433	227	K	\$500	24		CDPSWD3555	224	K	\$1,237	63	
CD3434	227	K	\$500	24		CDPT3306	223	K	\$1,301	27	
CD3450	227	K	\$568	29		CDPT3310	223	K	\$1,301	27	
CD3451	227	K	\$568	29		CDPT3316	223	K	\$1,327	30	
CD3475	227	K	\$707	34		CDPT3320	223	K	\$1,327	30	
CD3476	227	K	\$707	34		CDPT3326	223	K	\$1,411	36	
CD5318	227	K	\$1,000	53		CDPT3330	223	K	\$1,411	35	
CD5319	227	K	\$1,000	52		CDPT3436	223	K	\$1,493	45	
CD5333	227	K	\$721	29		CDPT3440	223	K	\$1,493	44	
CD5350	227	K	\$797	38		CDPT3445	223	K	\$1,665	50	
CD5375	227	K	\$938	47		CDPT3455	223	K	\$1,665	50	
CD6202	227	L1	\$1,771	98		CDPT3575	223	L1	\$2,312	71	
CD6203	227	L1	\$2,010	137		CDPT3585	223	L1	\$2,594	79	
CD6215	227	L1	\$1,497	84		CDPT3603	223	L1	\$3,018	122	
CD6218	227	L1	\$1,336	65		CDPT3605	223	L1	\$4,515	161	
CD6219	227	L1	\$1,336	66		CDPWD3306	224	K	\$589	24	
CD7502	227	L1	\$3,023	133		CDPWD3310	224	K	\$589	25	
CD7503	227	L1	\$3,215	163		CDPWD3316	224	K	\$622	27	
CD7505	227	L1	\$4,155	190		CDPWD3320	224	K	\$622	27	
CD9105	227	L1	\$5,639	304		CDPWD3326	224	K	\$699	32	
CD9110	227	L1	\$7,376	347		CDPWD3330	224	K	\$699	32	
CD9175	227	L1	\$6,688	305		CDPWD3436	224	K	\$845	38	
CDMG2310	230	N2	\$6,321	270		CDPWD3440	224	K	\$845	38	
CDMG2315	230	N2	\$10,351	442		CDPWD3445	224	K	\$1,032	44	
CDMG2320	230	N2	\$11,555	601		CDPWD3455	224	K	\$1,032	44	
CDMG2325	230	N2	\$12,573	859		CDPWD3575	224	L1	\$1,974	66	
CDMG2333	230	N2	\$15,773	898		CDPWD3585	224	L1	\$2,356	75	
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CDP3440-V12	226	K	\$799	42		CDX2001	227	L1	\$2,994	105	
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CDP3455	222	K	\$794	44		CECP3581T	55	L1	\$746	62	
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CECP4110T	55	L1	\$4,689	482		CEM3665T	30, 46	L1	\$833	116	CECP3665T
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CECP82334T-4	57	L1	\$2,490	286		CEM3769T-5	30, 145	L1	\$1,195	191	
CECP82394T-4	57	L1	\$2,411	221		CEM3770T	30, 46	L1	\$1,156	170	CECP3770T
CECP83580T-4	57	L1	\$658	59		CEM3770T-5	30, 145	L1	\$1,156	178	
CECP83581T-4	57	L1	\$807	67		CEM3771T	30, 46	L1	\$1,378	197	CM3771T
CECP83583T-4	57	L1	\$701	66		CEM3771T-5	30, 145	L1	\$1,378	181	
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CECP83665T-4	57	L1	\$1,122	133		CEM4107T	30, 46	L1	\$3,017	383	CM4107T
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CECP84106T-4	57	L1	\$2,735	258		CESSWDM3613T	68	L1	\$1,643	99	CSSEWDM3613T
CECP84107T-4	57	L1	\$3,731	383		CESSWDM3615T	68	L1	\$1,589	115	CSSEWDM3615T
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CECP84110T-4	57	L1	\$5,190	560		CESSWDM3711T	68	L1	\$2,152	185	CSSEWDM3711T
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CEWDM3710T	35, 63	L1	\$1,571	150	CESWDM3710T	CHM645A	94	C1	\$343	34	RM3154
CEWDM3711T	35	L1	\$2,022	154	CESSWDM3711T	CJL1205A	78	K	\$213	24	CJL225A
CEWDM3713T	35	L1	\$2,541	174		CJL1301A	78	K	\$321	23	CJL3501A
CEWDM3714T	35, 63	L1	\$1,787	162	CESWDM3714T	CJL1303A	78	K	\$222	27	JL1303A
CEWDM41906T	35	L1	\$4,099	242		CJL1304A	78	K	\$363	26	CJL3504A
CFC1614A	96	C1	\$168	20		CJL1306A	78	K	\$283	29	JL1306A
CFC1624A	96	C1	\$168	22		CJL1307A	78	K	\$418	34	CJL3507A
CFC1641A	96	C1	\$174	20		CJL1309A	78	K	\$290	33	JL1309A
CFC1642A	96	C1	\$174	20		CJL1313A	78	K	\$404	37	JL1313A
CFC2614A	96	C1	\$186	25		CJL1317A	78	K	\$541	44	JL1317A
CFC2624A	96	C1	\$193	26		CJL3501A	77	K	\$295	23	CJL3504A
CFC2641A	96	C1	\$191	25		CJL3504A	77	K	\$347	28	CJL3507A
CFC2642A	96	C1	\$191	24		CJL3507A	77	K	\$423	35	
CFC3614A	96	C1	\$206	29	DDC3641A	CJM3006	79	K	\$229	20	CJM3107
CFC3624A	96	C1	\$216	29		CJM3104	79	K	\$266	22	CJM3108
CFC3641A	96	C1	\$209	29		CJM3107	79	K	\$244	23	CJM3111
CFC3642A	96	C1	\$209	29		CJM3108	79	K	\$298	24	CJM3538
CFDL3501M	111	K	\$393	24		CJM3111	79	K	\$279	24	CJM3115
CFDL3504M	111	K	\$451	29		CJM3112	79	K	\$319	27	CJM3542
CFDL3507M	111	K	\$526	37		CJM3115	79	K	\$312	28	CJM3120
CFDL3510M	111	K	\$596	41		CJM3120	79	K	\$380	31	CJM625
CFDL3514M	111	K	\$671	48		CJM3155	79	K	\$452	36	CJM725
CFDL3516TM	111	K	\$853	53		CJM3158	79	K	\$535	42	CJM825
CFM3036A	109	K	\$394	25		CJM3538	78	K	\$330	23	CJM3542
CFM3046A	109	K	\$428	34		CJM3542	78	K	\$350	26	
CFM3136A	109	K	\$408	31		CL1301	41	K	\$257	23	CL3501
CFM3146A	109	K	\$441	33		CL1303	41	K	\$228	24	CL3503
CFM3156A	109	K	\$503	37		CL1304	41	K	\$292	25	CL3504
CFM3166A	109	K	\$548	47		CL1307	41	K	\$335	34	CL1310
CHC144A	94	C1	\$197	24	CHC3413A	CL1310	41	K	\$385	34	CL3510
CHC164A	94	C1	\$224	24	CHC3414A	CL1408TM	41, 122	L1	\$706	81	CL1410TM
CHC244A	94	C1	\$207	25	CHC3416A	CL1410TM	41, 122	L1	\$850	88	CL3612TM
CHC264A	94	C1	\$233	26	CHC3417A	CL1430TM	41	L1	\$850	84	
CHC3413A	109	K	\$277	22	CHC144A	CL3501	40	K	\$264	23	CL3504
CHC3414A	109	K	\$328	25	CHC3524A	CL3503	40	K	\$265	24	CL3506
CHC3416A	109	K	\$301	25	CHC244A	CL3504	40	K	\$308	28	CL3507
CHC3417A	109	K	\$378	27	CHC3525A	CL3506	40	K	\$295	29	CL3509
CHC344A	94	C1	\$242	28	RL1307A	CL3507	40	K	\$369	35	CL3510
CHC345A	94	C1	\$244	25	CHC3524A	CL3509	40	K	\$340	35	CL3513
CHC3524A	109	K	\$339	28	CHC345A	CL3510	40	K	\$416	40	CL3514
CHC3525A	109	K	\$434	43	CHC3528A	CL3513	40	K	\$441	44	
CHC3526A	109	K	\$537	49		CL3514	40	K	\$494	49	CWDL3514
CHC3528A	109	K	\$514	50	CHC465A	CL3515	40	K	\$569	52	
CHC364A	94	C1	\$271	26		CL3515T	40	L1	\$573	51	
CHC365A	94	C1	\$274	26	CHC3525A	CL3516TM	40, 122	L1	\$733	49	VFDL3516TM
CHC445A	94	C1	\$262	28	RL1307A	CL3608TM	40, 122	L1	\$1,034	91	
CHC465A	94	C1	\$316	48	CHC3528A	CL3612TM	40, 122	L1	\$1,000	101	VFDL3612TM
CHC545A	94	C1	\$309	39	RL1310A	CL3619TM	40, 122	L1	\$955	84	CL3612TM
CHC565A	94	C1	\$366	51		CL3711T	40	L1	\$1,683	167	
CHC645A	94	C1	\$353	49	RL1319A	CL3712T	40	L1	\$1,702	174	
CHL3523A	109	K	\$339	28		CL5001A	74	K	\$577	30	CL5004A
CHM144A	94	C1	\$191	25	RM3003	CL5001A-50	159	K	\$636	35	CL5004A-50
CHM164A	94	C1	\$232	25		CL5003A	74	K	\$506	31	CL5009A
CHM244A	94	C1	\$201	20	RM3007	CL5004A	74	K	\$578	37	CL5007A
CHM264A	94	C1	\$226	26		CL5004A-50	159	K	\$637	43	
CHM344A	94	C1	\$237	24	RM3010	CL5007A	74	K	\$644	48	CL5023A
CHM345A	94	C1	\$239	23	RM3108	CL5007A-50	159	K	\$740	52	
CHM364A	94	C1	\$264	23		CL5009A	74	K	\$574	50	
CHM365A	94	C1	\$266	25		CL5013	74	L1	\$1,463	84	
CHM445A	94	C1	\$253	27	RM3112	CL5018	74	L1	\$2,343	154	
CHM465A	94	C1	\$305	33		CL5020	74	L1	\$2,984	170	
CHM545A	94	C1	\$300	33	RM1316	CL5023-50	159	K	\$782	57	

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CL5023A	74	K	\$732	48		CM3557	45	K	\$504	42	
CL5027T	74	L1	\$1,509	99		CM3558	45	K	\$387	42	
CL5027T-50	159	L1	\$1,736	117		CM3558-5	145	K	\$387	42	
CL5028T	74	L1	\$1,527	99		CM3558T	45	LS	\$387	45	
CL5030T	74	L1	\$901	54		CM3558T-5	145	L1	\$387	45	
CL5031T	74	L1	\$1,029	61		CM3559	45	K	\$487	44	
CM2333T	46	LS	\$1,742	253		CM3559T	45	L1	\$527	62	
CM2333T-5	145	L1	\$1,742	236		CM3559T-5	145	L1	\$527	49	
CM2334T	46	L1	\$2,021	276	CWDM23934T	CM3607T	45	L1	\$577	72	
CM2334T-5	145	L1	\$2,021	257		CM3610T	45	L1	\$583	59	CM3660T
CM2513T	47	L1	\$1,321	172	CM2333T	CM3610T-5	145	L1	\$583	60	
CM2514T	47	L1	\$1,617	158		CM3611T	45	LS	\$489	71	CM3661T
CM2515T	47	L1	\$1,630	234		CM3611T-5	145	L1	\$491	72	
CM2516T	47	L1	\$1,909	186		CM3613T	46	L1	\$663	76	CM3663T
CM2531T	47	L1	\$2,105	226		CM3613T-5	145	L1	\$663	74	
CM2535T	47	L1	\$2,393	249		CM3614T	45	L1	\$617	77	
CM2539T	47	L1	\$3,100	378	CM4110T	CM3615T	46	LS	\$555	81	CM3665T
CM2543T	47	L1	\$3,542	382	CM4115T	CM3615T-5	145	LS	\$555	82	
CM2547T	47	L1	\$4,323	474	CM4314T	CM3616T	46	L1	\$797	91	
CM2551T	47	L1	\$5,159	608	CM4316T	CM3660T	45	L1	\$747	93	
CM2555T	47	D3	\$5,742	830		CM3661T	45	L1	\$751	98	
CM3104	47	K	\$227	21	CM3534	CM3663T	46	L1	\$908	103	CEM3663T
CM3107	47	K	\$236	20	CM3537	CM3665T	46	L1	\$761	112	CEM3665T
CM3108	47	K	\$257	23	CM3538	CM3704T	45	L1	\$810	115	
CM3112	47	K	\$289	27	CM3542	CM3708T	46	L1	\$956	124	
CM3116T	47	L1	\$333	34		CM3709T	46	L1	\$1,003	97	
CM3154T	47	L1	\$378	38	CM3554T	CM3710T	46	LS	\$721	131	CM3770T
CM3155	47	K	\$419	32		CM3710T-5	145	LS	\$721	127	
CM3157T	47	L1	\$386	42	CM3558T	CM3711T	46	L1	\$1,043	127	CM3771T
CM3158T	47	L1	\$442	43	CM3559T	CM3711T-5	145	L1	\$1,008	129	
CM3211T	47	L1	\$456	71	CM3611T	CM3713T	46	L1	\$1,298	167	CM3773T
CM3212T	47	L1	\$480	67	CM3613T	CM3713T-5	145	L1	\$1,298	158	
CM3218T	47	L1	\$476	71	CM3615T	CM3714T	46	LS	\$856	141	CM3774T
CM3219T	47	L1	\$678	74	CM3616T	CM3714T-5	145	LS	\$856	142	
CM3311T	47	L1	\$701	109	CM3710T	CM3769T	46	L1	\$1,092	167	CEM3769T
CM3312T	47	L1	\$854	111		CM3770T	46	L1	\$1,061	185	CEM3770T
CM3313T	47	L1	\$834	131	CM3714T	CM3771T	46	L1	\$1,284	167	CM3773T
CM3314T	47	L1	\$1,198	129		CM3773T	46	L1	\$1,526	214	
CM3534	45	LS	\$363	22	CM3538	CM3774T	46	L1	\$1,131	190	CEM3774T
CM3534-5	145	LS	\$256	21		CM4103T	46	L1	\$2,561	401	CEM4103T
CM3537	45	K	\$272	21	CM3541	CM4104T	46	L1	\$2,924	412	CEM4104T
CM3538	45	LS	\$292	22	CM3542	CM4104T-5	46	L1	\$2,924	391	
CM3538-5	145	LS	\$292	24		CM4106T	46	L1	\$2,053	270	CEM4106T
CM3539	45	K	\$426	24	CM3543	CM4107T	46	L1	\$2,658	361	CEM4107T
CM3541	45	K	\$298	22	CM3545	CM4108T	46	L1	\$2,741	383	
CM3542	45	LS	\$309	26		CM4109T	46	L1	\$3,871	486	
CM3542-5	145	K	\$331	27		CM4110T	46	L1	\$3,752	594	CEM4110T
CM3543	45	K	\$435	33	VM3556	CM4114T	46	L1	\$3,924	595	
CM3545	45	K	\$347	24	CM3550	CM4115T	46	L1	\$3,862	579	CEM4115T
CM3546	45	K	\$331	31	CM3554	CM4310T	46	L1	\$5,719	736	CM4313T
CM3546-5	145	K	\$333	28		CM4313T	46	L1	\$6,800	762	
CM3546T	45	LS	\$361	35		CM4314T	46	L1	\$5,644	734	CM4314T
CM3546T-5	145	L1	\$363	34		CM4316T	46	L1	\$6,800	808	CEM4316T
CM3550	45	K	\$377	39	CWDM3550	CM4400T	46	D3	\$8,451	1121	CEM4400T
CM3550T	45	L1	\$405	39		CM7005A	75	K	\$604	28	
CM3554	45	K	\$360	35		CM7006-50	159	K	\$693	37	CM7010-50
CM3554-5	145	K	\$360	35		CM7006A	75	K	\$655	31	CM7010A
CM3554T	45	LS	\$369	41	CM3558T	CM7009A	75	K	\$624	30	
CM3554T-5	145	L1	\$369	40		CM7010-50	159	K	\$709	43	CM7014-50
CM3555	45	K	\$421	33		CM7010A	75	K	\$667	35	
CM3555T	45	L1	\$463	43	CM3559T	CM7013	75	K	\$653	31	
CM3556	45	K	\$442	38		CM7013-50	159	K	\$717	36	
CM3556T	45	L1	\$483	43		CM7014	75	K	\$711	41	CM7034

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Baldor
District Offices

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CM7014-50	159	K	\$759	45		CP3586T-4	49	L1	\$629	64	ECP3586T-4
CM7014T	75	L1	\$711	47		CP3587T	49	L1	\$592	68	ECP3587T
CM7018T	75	L1	\$740	47		CP3587T-4	49	L1	\$592	67	ECP3587T-4
CM7018T-50	159	L1	\$815	46		CP3660T-4	49	L1	\$813	97	ECP3660T-4
CM7034	75	K	\$759	44		CP3661T	49	L1	\$833	104	ECP3661T
CM7034T	75	L1	\$759	53		CP3661T-4	49	L1	\$833	103	ECP3661T-4
CM7034T-50	159	L1	\$836	51		CP3663T-4	50	L1	\$1,026	106	ECP3663T-4
CM7037	75	K	\$820	52		CP3664T	49	L1	\$828	109	ECP3664T
CM7037T	75	L1	\$820	56		CP3664T-4	49	L1	\$828	109	ECP3664T-4
CM7037T-50	159	L1	\$903	58		CP3665T	50	L1	\$860	117	ECP3665T
CM7042T	75	L1	\$1,058	95		CP3665T-4	50	L1	\$860	116	ECP3665T-4
CM7042T-I	76	L1	\$1,058	111		CP3667T	49	L1	\$773	100	ECP3667T
CM7044T	75	L1	\$1,273	114		CP3667T-4	49	L1	\$773	100	M3667T
CM7044T-I	76	L1	\$1,273	126		CP3764T	49	L1	\$1,123	185	ECP3764T
CM7045T	75	L1	\$1,628	173		CP3764T-4	49	L1	\$1,123	185	ECP3764T-4
CM7047T	75	L1	\$1,475	162		CP3768T	50	L1	\$1,307	173	ECP3768T
CM7047T-I	76	L1	\$1,475	170		CP3768T-4	50	L1	\$1,307	178	ECP3768T-4
CM7053T	75	L1	\$1,872	345		CP3769T-4	50	L1	\$1,291	167	ECP3769T-4
CM7054T	75	L1	\$3,046	334		CP3770T	50	L1	\$1,148	197	ECP3770T
CM7054T-I	76	L1	\$3,046	333		CP3770T-4	50	L1	\$1,148	196	CP3770T
CM7056T	75	L1	\$3,538	362		CP3771T-4	50	L1	\$1,381	187	ECP3771T-4
CM7056T-I	76	L1	\$3,538	356		CP3773T-4	50	L1	\$1,740	226	
CM7058T	75	L1	\$4,402	478		CP3774T	50	L1	\$1,244	204	ECP3774T
CM7058T-I	76	L1	\$4,402	516		CP3774T-4	50	L1	\$1,244	178	ECP3774T-4
CM7059T	75	L1	\$2,359	372		CP4100T	50	L1	\$2,823	361	ECP4100T
CM7060T	75	L1	\$4,977	533		CP4100T-4	50	L1	\$2,823	374	ECP4100T-4
CM7060T-I	76	L1	\$4,977	494		CP4102T	50	L1	\$3,291	382	ECP4102T
CM7062T	75	L1	\$6,727	760		CP4102T-4	50	L1	\$3,291	382	ECP4102T-4
CM7062T-I	76	L1	\$6,727	578		CP4103T	51	L1	\$2,234	422	ECP4103T
CM7063T	75	L1	\$3,081	474		CP4103T-4	51	L1	\$2,234	410	ECP4103T-4
CM7064T	75	L1	\$7,608	763		CP4104T	51	L1	\$2,680	391	ECP4104T
CM7064T-I	76	L1	\$7,608	741		CP4104T-4	51	L1	\$2,680	422	ECP4104T-4
CM7071T	75	L1	\$733	55		CP4106T-4	50	L1	\$1,803	278	ECP4106T-4
CM7071T-50	159	L1	\$844	52		CP4107T-4	51	L1	\$2,258	361	ECP4107T-4
CM7072T	75	L1	\$1,231	101		CP4108T-4	51	L1	\$2,469	381	ECP4108T-4
CM7073T	75	L1	\$1,389	114		CP4109T-4	51	L1	\$3,575	486	ECP4109T-4
CM7075T	75	L1	\$920	69		CP4110T	51	L1	\$3,567	396	ECP4110T
CM7170T	75	L1	\$1,744	234		CP4110T-4	51	L1	\$3,567	560	ECP4110T-4
CM7170T-I	76	L1	\$1,744	232		CP4111T	51	L1	\$4,015	575	ECP4111T
CM7174T	75	L1	\$1,744	244		CP4111T-4	51	L1	\$4,015	587	ECP4111T-4
CNL20082	47	DS	\$176	10	CNL20172	CP4115T	51	L1	\$4,210	451	ECP4115T
CNL20134	47	DS	\$191	11		CP4115T-4	51	L1	\$4,210	579	ECP4115T-4
CNL20172	47	DS	\$198	13		CP4117T	51	L1	\$4,258	618	ECP4117T
CNM20132	47	DS	\$213	8	CNM20252	CP4117T-4	51	L1	\$4,258	596	ECP4117T-4
CNM20134	47	DS	\$231	10		CP4308T	51	L1	\$5,896	785	ECP4308T
CNM20252	47	DS	\$238	12		CP4312T	51	L1	\$6,279	782	ECP4312T
CP2276T	50	L1	\$1,419	242	ECP2276T	CP4314T	51	L1	\$5,699	773	ECP4314T
CP2276T-4	50	L1	\$1,419	270	CP2276T	CP4314T-4	51	L1	\$5,699	734	ECP4314T-4
CP2332T	50	L1	\$2,008	283	ECP2332T	CP4316T	51	L1	\$6,850	878	ECP4316T
CP2332T-4	50	L1	\$2,008	263	ECP2332T-4	CP4316T-4	51	L1	\$6,850	808	ECP4316T-4
CP2333T	50	L1	\$1,653	232	ECP2333T	CP4400T-4	52	D3	\$7,693	1117	ECP4400T-4
CP2333T-4	50	L1	\$1,653	240	ECP2333T-4	CP4403T	51	D3	\$8,595	1110	ECP4403T
CP2334T	50	L1	\$1,841	285	ECP2334T	CP4404T	51	L1	\$10,233	1200	ECP4404T
CP2334T-4	50	L1	\$1,841	285	ECP2334T-4	CR4400TR-4	60	L1	\$7,747	1114	
CP2394T-4	50	L1	\$1,779	196	ECP2394T-4	CR4406TR-4	60	L1	\$11,546	1662	
CP3580T-4	49	L1	\$478	53	CP3583T-4	CR4407TR-4	60	L1	\$13,893	1837	
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CP3581T-4	49	L1	\$565	57	ECP3581T-4	CR4409TR-4	60	L1	\$10,570	1662	
CP3582T	49	L1	\$672	65	ECP3582T	CR4410TR-4	60	L1	\$9,857	1495	
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CP3583T-4	49	L1	\$545	59	ECP3583T-4	CR44156TR-4	60	L1	\$13,464	2078	
CP3584T	49	L1	\$577	64	ECP3584T	CR44206TR-4	60	L1	\$17,634	1837	
CP3584T-4	49	L1	\$577	65	ECP3584T-4	CR44256TR-4	60	L1	\$24,806	2691	

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CSM3546-2	177	E1	\$1,484	50		CSWDM3558T	66	L1	\$768	48	CESWDM3558T
CSM3546-4	177	E1	\$1,888	51		CSWDM3611T	66	L1	\$939	76	CESWDM3611T
CSM3546T-2	177	E1	\$1,523	51		CSWDM3615T	66	L1	\$1,093	93	CESWDM3615T
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EBM3554T	131	L1	\$1,157	55		ECP4100T-5	27, 53, 143	L1	\$2,892	425	
EBM3558T	131	L1	\$1,182	59		ECP4102T	50	L1	\$3,930	451	
EBM3611T	131	L1	\$1,533	89		ECP4102T-4	27, 50	L1	\$3,930	443	
EBM3615T	131	L1	\$1,858	109		ECP4102T-5	27, 53, 143	L1	\$3,930	452	

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ECP4104T-5	27, 53, 143	L1	\$3,108	446	CP4104T-4	ECP44354T-4	19, 29, 52	LS	\$33,911	2360	M44354T-4
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ECP4107T-4	27, 51	L1	\$2,782	411	CP4107T-4	ECP44404T-4	19, 29, 52	LS	\$42,355	2300	M44404T-4
ECP4108T-4	27, 51	L1	\$3,392	428	CP4108T-4	ECP50252S-2341	19, 28, 59	D3	\$46,879	3600	
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ECP4110T	51	L1	\$4,066	570		ECP50256L-2341	19, 28, 59	D3	\$54,945	4691	ECP50304L-2341
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EXBD02A01	243	Z8	\$280	1		FM2515T	126	L1	\$1,405	220	EFM2515T
EXBD02A02	243	Z8	\$280	1		FM2515T-8	139	L1	\$1,405	191	EFM2515T-8
EXBD03A01	243	Z8	\$557	1		FM2531T	126	L1	\$1,703	226	EFM2531T
EXBD04A01	243	Z8	\$765	1		FM2535T	126	L1	\$1,991	248	EFM2535T
EXBD05A01	243	Z8	\$765	1		FM2539T	126	L1	\$2,539	378	EFM2539T
EXBHH001A01	199	E8	\$163	1		FM2539T-8	139	L1	\$2,539	329	
EXBHH002A01	199	E8	\$745	1		FM2543T	126	L1	\$2,980	371	EFM2543T
EXBHH003A01	199	E8	\$211	1		FM3112-8	139	K	\$265	25	
EXBHH005A01	199	E8	\$330	1		FM3211T	126	L1	\$375	63	EFM3211T
EXBHH007A01	199	E8	\$539	2		FM3218T	126	L1	\$415	70	EFM3218T
EXBHH012A01	199	E8	\$548	1		FM3311T	126	L1	\$589	112	EFM3311T
EXBHH013A01	199	E8	\$558	1		FM3311T-8	139	L1	\$589	97	EFM3311T-8
EXBHH014A01	199	E8	\$670	1		FM3313T	126	L1	\$722	129	EFM3313T
EXBHH016A01	199	E8	\$548	1		FM3313T-8	139	L1	\$722	107	EFM3313T-8
FCD34	298	A8	\$57	1		FM3558T	126	L1	\$359	45	
FCD35	298	A8	\$60	1		FM3611T	126	L1	\$424	70	
FCD36	298	A8	\$70	2		FM3615T	126	L1	\$488	78	
FCD37	298	A8	\$85	3		FM3710T	126	L1	\$623	125	
FCD39	298	A8	\$114	3		FM3714T	126	L1	\$758	138	
FCD40	298	A8	\$122	12		FVB3180	231	A8	\$920	18	
FCD42	298	A8	\$131	5		FVB3210	231	A8	\$920	22	
FDL3501M	111	K	\$290	23	L3501M	FVB3250	231	A8	\$920	22	
FDL3504M	111	K	\$341	28	L3504M	FVB4280	231	A8	\$1,123	38	
FDL3507M	111	K	\$402	38		FVB6320	231	A8	\$1,311	46	
FDL3510M	111	K	\$457	40	L3510M	FVB6400	231	A8	\$1,435	54	
FDL3510TM	111	L1	\$457	38	L3510TM	FVB8500	231	A8	\$1,698	72	
FDL3514M	111	K	\$515	48	L3514M	FVB95010	231	A8	\$2,927	122	
FDL3514TM	111	L1	\$515	48	L3514TM	GA10	310	A8	\$35	1	
FDL3516TM	111	K	\$733	51	L3516TM	GA11	310	A8	\$38	2	
FDL3610M	111	L1	\$989	89		GA13	310	A8	\$29	2	
FDL3610TM	111	L1	\$982	93	FDL3619TM	GA14	310	A8	\$214	64	
FDL3611M	111	L1	\$831	75	L3605M	GA14R	309	A8	\$214	64	
FDL3611TM	111	L1	\$824	79	L3605TM	GA16	310	A8	\$284	62	
FDL3612TM	111	L1	\$1,032	98		GA16E	310	A8	\$185	36	
FDL3619TM	111	L1	\$789	81	FDL3610TM	GA16R	309	A8	\$284	62	
FDL3712TM	111	L1	\$1,479	160		GA16RE	309	A8	\$185	36	
FDL3731M	111	L1	\$1,245	125	FDL3732M	GA20	310	A8	\$468	125	
FDL3732M	111	L1	\$1,436	142		GA20E	310	A8	\$214	54	
FDL3733TM	111	L1	\$1,345	142	DEL3733TM	GA20RE	309	A8	\$214	54	
FDL3737TM	111	L1	\$1,577	162	DEL3737TM	GA24	310	A8	\$30	1	
FFC05	298	A8	\$114	6		GA25	310	A8	\$32	9	
FFC06	298	A8	\$122	10		GA3	310	A8	\$48	7	
FFC07WB	298	A8	\$181	19		GA4	310	A8	\$48	6	
FFC09WB	298	A8	\$250	28		GA7	307	A8	\$58	1	
FL1030VK	294	A8	\$106	3		GA8	307	A8	\$97	1	
FL1040VK	294	A8	\$118	3		GA9	310	A8	\$119	5	
FL1050VK	294	A8	\$141	4		GA9-1	310	A8	\$65	3	
FL1060VK	294	A8	\$164	6		GA9R	309	A8	\$119	5	

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GA9S	310	A8	\$132	6		GCP24140	262	DS	\$356	10	GCP25060
GA9SR	309	A8	\$132	5		GCP24142	262	DS	\$356	10	GCP25062
GC24003	259	DS	\$267	7		GCP24232	262	DS	\$428	14	GCP24022
GC24208	259	DS	\$356	10	GC24312	GCP24234	262	DS	\$404	14	GCP25002
GC24302	259	DS	\$332	10	GC24316	GCP25002	262	DS	\$576	18	
GC24306	259	DS	\$332	10	GC24318	GCP25004	262	DS	\$576	18	GCP3305
GC24307	259	DS	\$355	11		GCP25006	262	DS	\$555	18	GCP3310
GC24308	259	DS	\$355	11	GC25004	GCP25008	262	DS	\$555	18	GCP3315
GC24309	259	DS	\$355	11	GC25007	GCP25010	262	DS	\$555	18	GLP3338
GC24310	259	DS	\$332	10	GC24320	GCP25052	262	DS	\$408	14	
GC24311	259	DS	\$355	11	GC25008	GCP25054	262	DS	\$408	14	GCP25004
GC24312	259	DS	\$456	10		GCP25056	262	DS	\$388	14	GCP25006
GC24314	259	DS	\$456	10		GCP25058	262	DS	\$388	14	
GC24316	259	DS	\$356	13		GCP25060	262	DS	\$388	14	GCP25008
GC24318	259	DS	\$356	13	GC25010	GCP25062	262	DS	\$388	14	GCP25010
GC24320	259	DS	\$356	13	GC25015	GCP3305	262	DS	\$582	24	GLP3330
GC24322	259	DS	\$356	10	GC25020	GCP3310	262	DS	\$561	24	GLP3328
GC25004	259	DS	\$419	16	GC25009	GCP3315	262	DS	\$561	24	GLP3336
GC25005	259	DS	\$424	16	GC25008	GDL1605T	113	L1	\$1,133	101	
GC25006	259	DS	\$419	16	GC25011	GDL1607T	113	L1	\$1,490	161	
GC25007	259	DS	\$419	16	GC25012	GDL1610T	113	L1	\$1,725	172	
GC25008	259	DS	\$419	16	GC25014	GDL1615T	113	L1	\$2,568	288	
GC25009	259	DS	\$419	15	GC3320	GDM2333T	113	L1	\$1,975	231	
GC25010	259	DS	\$424	16	GC24309	GDM2334T	113	L1	\$2,114	322	
GC25011	259	DS	\$419	15		GDM2513T	113	L1	\$1,327	172	
GC25012	259	DS	\$419	15	GC3321	GDM2515T	113	L1	\$1,748	165	
GC25014	259	DS	\$419	15	GC3322	GDM2531T	113	L1	\$2,147	329	
GC25015	259	DS	\$424	16	GC25011	GDM2535T	113	L1	\$2,498	351	
GC25020	259	DS	\$424	16	GC25009	GDM3218T	113	L1	\$626	69	
GC25060	260	DS	\$582	21		GDM3311T	113	L1	\$889	113	
GC25080	260	DS	\$582	21		GDM3313T	113	L1	\$1,078	131	
GC25120	260	DS	\$582	21		GDM3611T	113	L1	\$628	59	
GC25190	260	DS	\$582	21		GDM3615T	113	L1	\$726	77	
GC25280	260	DS	\$582	21		GDM3710T	113	L1	\$925	118	
GC3320	259	DS	\$463	15	GC3326	GDM3714T	113	L1	\$1,494	142	
GC3321	259	DS	\$463	15	GC3327	GDM4103T	113	L1	\$3,009	322	
GC3322	259	DS	\$463	15	GC3328	GDM4104T	113	L1	\$3,554	322	
GC3324	259	DS	\$463	15	GC3329	GDM4110T	113	L1	\$4,720	518	
GC3325	260	DS	\$463	26		GDM4115T	113	L1	\$4,889	560	
GC3326	259	DS	\$463	21	GC3320	GF0513AG	267	GB	\$362	20	GF0515AG
GC3327	259	DS	\$463	21	GC3321	GF0513AGA10	283	GB	\$784	58	
GC3328	259	DS	\$463	21	GC3322	GF0513AGA25	279	GB	\$616	40	
GC3329	259	DS	\$463	21	GC3324	GF0513AGA33	280	GB	\$629	42	
GC3330	260	DS	\$463	26		GF0513AGA50	281	GB	\$674	47	
GCF2X01AA	290	GB	\$330	19		GF0513AGA75	282	GB	\$729	54	
GCF2X02BB	290	GB	\$398	22		GF0513AGB10	283	GB	\$688	50	
GCF3X01AA	290	GB	\$330	19		GF0513AGB25	279	GB	\$591	39	
GCF3X02BB	290	GB	\$398	22		GF0513AGB33	280	GB	\$607	42	
GCF4X01AA	290	GB	\$330	19		GF0513AGB50	281	GB	\$649	43	
GCF4X02BB	290	GB	\$398	22		GF0513AGB75	282	GB	\$669	45	
GCF5X01AA	290	GB	\$330	19		GF0513AGC10	283	GB	\$1,125	64	
GCF5X02AB	290	GB	\$398	22		GF0513AGC25	279	GB	\$798	44	
GCF5X02BB	290	GB	\$398	22		GF0513AGC33	280	GB	\$823	47	
GCP24002	262	DS	\$549	15		GF0513AGC50	281	GB	\$878	52	
GCP24004	262	DS	\$549	15		GF0513AGC75	282	GB	\$988	59	
GCP24020	262	DS	\$592	15		GF0513AGD10	283	GB	\$1,125	64	
GCP24022	262	DS	\$531	15		GF0513AGD25	279	GB	\$798	44	
GCP24114	262	DS	\$368	10	GCP24004	GF0513AGD33	280	GB	\$823	47	
GCP24122	262	DS	\$371	10	GCP24002	GF0513AGD50	281	GB	\$878	51	
GCP24124	262	DS	\$371	10	GCP24234	GF0513AGD75	282	GB	\$988	59	
GCP24134	262	DS	\$356	10	GCP25054	GF0513AJ	267	GB	\$362	20	GF0513AG
GCP24136	262	DS	\$356	10	GCP25056	GF0515AG	267	GB	\$388	25	GF0518AG
GCP24138	262	DS	\$356	10	GCP25058	GF0515AH	267	GB	\$410	25	

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GF0515BG	267	GB	\$388	25	GF0518BG	GF1513AG	268	GB	\$362	20	GF1515AG
GF0518AG	267	GB	\$397	30		GF1513AGA25	279	GB	\$616	40	
GF0518AGA15	284	GB	\$873	77		GF1513AGA33	280	GB	\$629	42	
GF0518AGB15	284	GB	\$746	64		GF1513AGB25	279	GB	\$591	39	
GF0518BG	267	GB	\$397	30		GF1513AGB33	280	GB	\$607	42	
GF0518BGD15	284	GB	\$1,846	97		GF1513AGC25	279	GB	\$798	44	
GF0521BG	267	GB	\$497	35	GF05G21BG	GF1513AGC33	280	GB	\$823	47	
GF0521BGA20	285	GB	\$1,222	84		GF1513AGD25	279	GB	\$798	44	
GF0521BGB20	285	GB	\$857	77		GF1513AGD33	280	GB	\$823	47	
GF0521BGD20	285	GB	\$2,225	109		GF1513AH	268	GB	\$383	20	GF1515AH
GF0521BJ	267	GB	\$497	35	GF0521BG	GF1513AJ	268	GB	\$362	20	GF1513AH
GF0524CG	267	GB	\$587	40		GF1515AG	268	GB	\$388	25	GF1518AG
GF0526CG	267	GB	\$681	55	GF0530CG	GF1515AGA50	281	GB	\$700	52	
GF0530CG	267	GB	\$926	68		GF1515AGB50	281	GB	\$676	48	
GF0538DH	267	GB	\$1,296	126		GF1515AGC50	281	GB	\$905	57	
GF0830CG	267	GB	\$926	68		GF1515AGD50	281	GB	\$905	56	
GF1013AG	267	GB	\$362	20	GF1015AG	GF1515AH	268	GB	\$410	25	GF1518AH
GF1013AGA25	279	GB	\$616	40		GF1518AG	268	GB	\$397	30	GF1521AG
GF1013AGA33	280	GB	\$629	42		GF1518AGA75	282	GB	\$765	64	
GF1013AGA50	281	GB	\$674	47		GF1518AGB75	282	GB	\$704	55	
GF1013AGA75	282	GB	\$729	54		GF1518AGC75	282	GB	\$1,023	69	
GF1013AGB25	279	GB	\$591	39		GF1518AGD75	282	GB	\$1,023	69	
GF1013AGB33	280	GB	\$607	42		GF1518AH	268	GB	\$420	30	GF1521AH
GF1013AGB50	281	GB	\$649	43		GF1518AJ	268	GB	\$397	30	GF1518AH
GF1013AGB75	282	GB	\$669	45		GF1521AG	268	GB	\$497	35	GF1524AG
GF1013AGC25	279	GB	\$798	44		GF1521AGA10	283	GB	\$918	73	
GF1013AGC33	280	GB	\$823	47		GF1521AGB10	283	GB	\$823	65	
GF1013AGC50	281	GB	\$878	52		GF1521AGC10	283	GB	\$1,260	79	
GF1013AGC75	282	GB	\$988	59		GF1521AGD10	283	GB	\$1,260	79	
GF1013AGD25	279	GB	\$798	44		GF1521AH	268	GB	\$524	35	
GF1013AGD33	280	GB	\$823	47		GF1521AJ	268	GB	\$497	35	GF1524AJ
GF1013AGD50	281	GB	\$878	51		GF1521BG	268	GB	\$497	35	GF1524BG
GF1013AGD75	282	GB	\$988	59		GF1524AG	268	GB	\$587	40	
GF1013AH	267	GB	\$383	20	GF1015AH	GF1524AGA15	284	GB	\$1,062	87	
GF1013AJ	267	GB	\$362	20	GF1013AG	GF1524AGB15	284	GB	\$934	74	
GF1015AG	267	GB	\$388	20	GF1018AG	GF1524AJ	268	GB	\$587	40	
GF1015AH	267	GB	\$410	25	GF1018AH	GF1524BG	268	GB	\$587	40	GF1526BG
GF1015BG	267	GB	\$388	20	GF1018BG	GF1524BGD15	284	GB	\$2,036	107	
GF1018AG	267	GB	\$397	30	GF1021AG	GF1526BG	268	GB	\$681	55	GF1532BG
GF1018AGA10	283	GB	\$819	68		GF1526BGA20	285	GB	\$1,407	104	
GF1018AGA15	284	GB	\$873	77		GF1526BGB20	285	GB	\$1,041	97	
GF1018AGB10	283	GB	\$724	60		GF1526BGD20	285	GB	\$2,411	129	
GF1018AGB15	284	GB	\$746	64		GF1530CG	268	GB	\$926	68	GF1532CG
GF1018AGC10	283	GB	\$1,161	74		GF1532BG	268	GB	\$1,004	87	
GF1018AGD10	283	GB	\$1,161	74		GF1532CG	268	GB	\$1,004	87	GF1538CG
GF1018AH	267	GB	\$420	29	GF1021AH	GF1538CG	268	GB	\$1,227	126	
GF1018AJ	267	GB	\$397	30	GF1021AJ	GF2013AG	268	GB	\$362	20	GF2015AG
GF1018BG	267	GB	\$397	30	GF1021BG	GF2013AGA25	279	GB	\$616	40	
GF1018BGD15	284	GB	\$1,846	97		GF2013AGA33	280	GB	\$629	42	
GF1021AG	267	GB	\$497	35	GF10G21AG	GF2013AGB25	279	GB	\$591	39	
GF1021AH	268	GB	\$524	35		GF2013AGB33	280	GB	\$607	42	
GF1021AJ	267	GB	\$497	35	GF1021AH	GF2013AGC25	279	GB	\$798	44	
GF1021BG	268	GB	\$497	35	GF1024BG	GF2013AGC33	280	GB	\$823	47	
GF1024BG	268	GB	\$587	40	GF1026BG	GF2013AGD25	279	GB	\$798	44	
GF1024BGA20	285	GB	\$1,312	89		GF2013AGD33	280	GB	\$823	47	
GF1024BGB20	285	GB	\$947	82		GF2013AH	268	GB	\$383	20	GF2015AH
GF1024BGD20	285	GB	\$2,317	114		GF2015AG	268	GB	\$388	25	GF2018AG
GF1026BG	268	GB	\$681	55		GF2015AH	268	GB	\$410	25	GF2018AH
GF1026CG	268	GB	\$681	55	GF1030CG	GF2018AG	268	GB	\$397	30	GF2021AG
GF1030CG	268	GB	\$926	68		GF2018AGA50	281	GB	\$709	57	
GF1032CG	268	GB	\$1,004	87		GF2018AGA75	282	GB	\$765	64	
GF1038DG	268	GB	\$1,227	126		GF2018AGB50	281	GB	\$684	53	
GF10G21AG	267	GB	\$497	30		GF2018AGB75	282	GB	\$704	55	

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GF2018AGC50	281	GB	\$914	62		GF2526BGD15	284	GB	\$2,130	122	
GF2018AGC75	282	GB	\$1,023	69		GF2530AG	269	GB	\$926	68	
GF2018AGD50	281	GB	\$914	61		GF2530BG	269	GB	\$926	68	GF2532BG
GF2018AGD75	282	GB	\$1,023	69		GF2530BGA20	285	GB	\$1,652	117	
GF2018AH	268	GB	\$420	30	GF2021AH	GF2530BGB20	285	GB	\$1,286	110	
GF2018AJ	268	GB	\$397	30	GF2021AJ	GF2530BGD20	285	GB	\$2,656	142	
GF2021AG	268	GB	\$497	35	GF20G21AG	GF2532BG	269	GB	\$1,004	87	
GF2021AH	269	GB	\$524	35		GF2538CH	269	GB	\$1,296	126	
GF2021AJ	268	GB	\$497	35		GF25G21AG	269	GB	\$497	40	
GF2021BG	269	GB	\$497	35	GF20G21BG	GF3013AG	269	GB	\$362	20	GF3015AG
GF2024AG	269	GB	\$587	40	GF2026AG	GF3013AGA25	279	GB	\$616	40	
GF2024AGA10	283	GB	\$1,009	78		GF3013AGB25	279	GB	\$591	39	
GF2024AGA15	284	GB	\$1,062	87		GF3013AGC25	279	GB	\$798	44	
GF2024AGB10	283	GB	\$914	70		GF3013AGD25	279	GB	\$798	44	
GF2024AGB15	284	GB	\$934	74		GF3013AH	269	GB	\$383	20	GF3015AH
GF2024AGC10	283	GB	\$1,350	84		GF3015AG	269	GB	\$388	25	GF3018AG
GF2024AGD10	283	GB	\$1,350	84		GF3015AGA33	280	GB	\$656	47	
GF2024BG	269	GB	\$587	40	GF2026BG	GF3015AGB33	280	GB	\$633	47	
GF2024BGD15	284	GB	\$2,036	107		GF3015AGC33	280	GB	\$851	52	
GF2026AG	269	GB	\$681	55		GF3015AGD33	280	GB	\$851	52	
GF2026BG	269	GB	\$681	55	GF2030BG	GF3015AH	269	GB	\$410	25	GF3018AH
GF2026BGA20	285	GB	\$1,407	104		GF3018AG	269	GB	\$397	30	GF3021AG
GF2026BGB20	285	GB	\$1,041	97		GF3018AGA50	281	GB	\$709	57	
GF2026BGD20	285	GB	\$2,411	129		GF3018AGB50	281	GB	\$684	53	
GF2030BG	269	GB	\$926	68	GF2032BG	GF3018AGC50	281	GB	\$914	62	
GF2030CG	269	GB	\$926	68	GF2032CG	GF3018AGD50	281	GB	\$914	61	
GF2030CJ	269	GB	\$926	73		GF3018AH	269	GB	\$420	30	GF3021AH
GF2032BG	269	GB	\$1,004	87		GF3018AJ	269	GB	\$397	30	GF3021AJ
GF2032CG	269	GB	\$1,004	87	GF2038CG	GF3021AG	269	GB	\$497	35	GF30G21AG
GF2038CG	269	GB	\$1,227	126		GF3021AGA75	282	GB	\$863	69	
GF20G21AG	268	GB	\$497	35		GF3021AGB75	282	GB	\$804	60	
GF20G21BG	269	GB	\$497	30		GF3021AGC75	282	GB	\$1,123	74	
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GF2513AGA25	279	GB	\$616	40		GF3021AH	269	GB	\$524	35	
GF2513AGA33	280	GB	\$629	42		GF3021AJ	269	GB	\$497	35	GF3024AJ
GF2513AGB25	279	GB	\$591	39		GF3024AG	269	GB	\$587	40	GF3026AG
GF2513AGB33	280	GB	\$607	42		GF3024AGA10	283	GB	\$1,009	78	
GF2513AGC25	279	GB	\$798	44		GF3024AGB10	283	GB	\$914	70	
GF2513AGC33	280	GB	\$823	47		GF3024AGC10	283	GB	\$1,350	84	
GF2513AGD25	279	GB	\$798	44		GF3024AGD10	283	GB	\$1,350	84	
GF2513AGD33	280	GB	\$823	47		GF3024AJ	269	GB	\$587	40	
GF2515AG	269	GB	\$388	25	GF2518AG	GF3024BG	269	GB	\$587	40	GF3026BG
GF2515AH	269	GB	\$410	25		GF3026AG	269	GB	\$681	55	
GF2518AG	269	GB	\$397	30	GF2521AG	GF3026BG	269	GB	\$681	55	GF3030BG
GF2518AGA50	281	GB	\$709	57		GF3030AG	269	GB	\$926	68	
GF2518AGB50	281	GB	\$684	53		GF3030AGA15	284	GB	\$1,401	115	
GF2518AGC50	281	GB	\$914	62		GF3030AGB15	284	GB	\$1,275	102	
GF2518AGD50	281	GB	\$914	61		GF3030AJ	269	GB	\$926	68	
GF2518AJ	269	GB	\$397	30	GF2521AJ	GF3030BG	269	GB	\$926	68	
GF2521AG	269	GB	\$497	35	GF25G21AG	GF3030BGA20	285	GB	\$1,652	117	
GF2521AGA75	282	GB	\$863	69		GF3030BGB20	285	GB	\$1,286	110	
GF2521AGB75	282	GB	\$804	60		GF3030BGD15	284	GB	\$2,375	135	
GF2521AGC75	282	GB	\$1,123	74		GF3030BGD20	285	GB	\$2,656	142	
GF2521AGD75	282	GB	\$1,123	74		GF3032BG	270	GB	\$1,004	87	GF3038CG
GF2521AJ	269	GB	\$497	35		GF3038CG	270	GB	\$1,227	126	
GF2524AGA10	283	GB	\$1,009	78		GF30G21AG	269	GB	\$497	30	
GF2524AGB10	283	GB	\$914	70		GF4013AG	270	GB	\$362	20	GF4015AG
GF2524AGC10	283	GB	\$1,350	84		GF4013AGA25	279	GB	\$616	40	
GF2524AGD10	283	GB	\$1,350	84		GF4013AGB25	279	GB	\$591	39	
GF2524BG	269	GB	\$587	40	GF2526BG	GF4013AGC25	279	GB	\$798	44	
GF2526BG	269	GB	\$681	55		GF4013AGD25	279	GB	\$798	44	
GF2526BGA15	284	GB	\$1,156	102		GF4013AH	270	GB	\$383	20	
GF2526BGB15	284	GB	\$1,030	89		GF4015AG	270	GB	\$388	25	GF4018AG

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Catalog Number	Page Number	Mult. Sym.	List Price	Shpg. Wgt.*	Alternate Catalog Number	Catalog Number	Page Number	Mult. Sym.	List Price	Shpg. Wgt.*	Alternate Catalog Number
GF4015AJ	270	GB	\$388	25	GF4018AJ	GF5026AG	270	GB	\$681	55	GF5030AG
GF4018AG	270	GB	\$397	30	GF4021AG	GF5026BG	270	GB	\$681	55	GF5030BG
GF4018AGA33	280	GB	\$664	52		GF5030AG	270	GB	\$926	68	GF5032AG
GF4018AGB33	280	GB	\$642	52		GF5030AGA10	283	GB	\$1,348	106	
GF4018AGC33	280	GB	\$859	57		GF5030AGB10	283	GB	\$1,253	98	
GF4018AGD33	280	GB	\$859	57		GF5030AGC10	283	GB	\$1,689	112	
GF4018AJ	270	GB	\$397	30	GF4021AJ	GF5030AGD10	283	GB	\$1,689	112	
GF4021AG	270	GB	\$497	35	GF4024AG	GF5030BG	270	GB	\$926	68	
GF4021AGA50	281	GB	\$808	62		GF5032AG	270	GB	\$1,004	87	
GF4021AGB50	281	GB	\$784	58		GF5032AGB15	284	GB	\$1,352	121	
GF4021AGC50	281	GB	\$1,013	67		GF5032BG	270	GB	\$1,004	87	GF5038BG
GF4021AGD50	281	GB	\$1,013	66		GF5032BGA15	284	GB	\$1,479	134	
GF4021AJ	270	GB	\$497	35	GF4024AJ	GF5032BGD15	284	GB	\$2,453	154	
GF4024AG	270	GB	\$587	40	GF4026AG	GF5038BG	270	GB	\$1,227	126	
GF4024AGA10	283	GB	\$1,009	78		GF5038BGA20	285	GB	\$1,952	175	
GF4024AGA75	282	GB	\$953	74		GF5038BGB20	285	GB	\$1,587	168	
GF4024AGB10	283	GB	\$914	70		GF5038BGD20	285	GB	\$2,956	200	
GF4024AGB75	282	GB	\$894	65		GF5038BH	270	GB	\$1,296	126	
GF4024AGC10	283	GB	\$1,350	84		GF6015AG	270	GB	\$388	25	GF6018AG
GF4024AGC75	282	GB	\$1,213	79		GF6015AGA25	279	GB	\$643	45	
GF4024AGD10	283	GB	\$1,350	84		GF6015AGB25	279	GB	\$617	44	
GF4024AGD75	282	GB	\$1,213	79		GF6015AGC25	279	GB	\$825	49	
GF4024AH	270	GB	\$620	40		GF6015AGD25	279	GB	\$825	49	
GF4024AJ	270	GB	\$587	40	GF4026AJ	GF6015AH	270	GB	\$410	25	GF6018AH
GF4026AG	270	GB	\$681	55	GF4030AG	GF6018AG	270	GB	\$397	30	GF6021AG
GF4026AJ	270	GB	\$681	55		GF6018AGA33	280	GB	\$664	52	
GF4026BG	270	GB	\$681	55	GF4030BG	GF6018AGB33	280	GB	\$642	52	
GF4030AG	270	GB	\$926	68		GF6018AGC33	280	GB	\$859	57	
GF4030AGA15	284	GB	\$1,401	115		GF6018AGD33	280	GB	\$859	57	
GF4030AGB15	284	GB	\$1,275	102		GF6018AH	270	GB	\$420	30	GF6021AH
GF4030BG	270	GB	\$926	68	GF4032BG	GF6018AJ	270	GB	\$397	30	GF6021AJ
GF4030BGD15	284	GB	\$2,375	135		GF6021AG	271	GB	\$497	35	GF6024AG
GF4032BG	270	GB	\$1,004	87		GF6021AH	271	GB	\$524	35	
GF4032BGA20	285	GB	\$1,729	136		GF6021AJ	271	GB	\$497	35	GF6024AJ
GF4032BGB20	285	GB	\$1,365	129		GF6024AG	271	GB	\$587	40	
GF4032BGD20	285	GB	\$2,733	161		GF6024AGA50	281	GB	\$898	67	
GF4038CG	270	GB	\$1,227	126		GF6024AGB50	281	GB	\$874	63	
GF4038CH	270	GB	\$1,296	126		GF6024AGC50	281	GB	\$1,103	72	
GF5013AG	270	GB	\$362	20	GF5015AG	GF6024AGD50	281	GB	\$1,103	71	
GF5013AH	270	GB	\$383	20		GF6024AJ	271	GB	\$587	40	GF6026AJ
GF5015AG	270	GB	\$388	25	GF5018AG	GF6026AG	271	GB	\$681	55	GF6030AG
GF5015AGA25	279	GB	\$643	45		GF6026AGA75	282	GB	\$998	74	
GF5015AGB25	279	GB	\$617	44		GF6026AGB75	282	GB	\$941	65	
GF5015AGC25	279	GB	\$825	49		GF6026AGC75	282	GB	\$1,245	79	
GF5015AGD25	279	GB	\$825	49		GF6026AGD75	282	GB	\$1,245	79	
GF5018AG	270	GB	\$397	30	GF5021AG	GF6026AH	271	GB	\$717	55	
GF5018AGA33	280	GB	\$664	52		GF6026AJ	271	GB	\$681	55	
GF5018AGB33	280	GB	\$642	52		GF6030AG	271	GB	\$926	68	GF6032AG
GF5018AGC33	280	GB	\$859	57		GF6030AGA10	283	GB	\$1,348	106	
GF5018AGD33	280	GB	\$859	57		GF6030AGB10	283	GB	\$1,253	98	
GF5018AJ	270	GB	\$397	30	GF5021AJ	GF6030AGC10	283	GB	\$1,689	112	
GF5021AG	270	GB	\$497	35	GF5024AG	GF6030AGD10	283	GB	\$1,689	112	
GF5021AH	270	GB	\$524	35		GF6030BG	271	GB	\$926	68	GF6032BG
GF5021AJ	270	GB	\$497	35		GF6032AG	271	GB	\$1,004	87	
GF5024AG	270	GB	\$587	40	GF5026AG	GF6032BG	271	GB	\$1,004	87	GF6038BG
GF5024AGA50	281	GB	\$898	67		GF6038AGA15	284	GB	\$1,702	173	
GF5024AGA75	282	GB	\$953	74		GF6038BG	271	GB	\$1,227	126	
GF5024AGB50	281	GB	\$874	63		GF6038BGA20	285	GB	\$1,952	175	
GF5024AGB75	282	GB	\$894	65		GF6038BGB15	284	GB	\$1,575	160	
GF5024AGC50	281	GB	\$1,103	72		GF6038BGB20	285	GB	\$1,587	168	
GF5024AGC75	282	GB	\$1,213	79		GF6038BGD15	284	GB	\$2,676	193	
GF5024AGD50	281	GB	\$1,103	71		GF6038BGD20	285	GB	\$2,956	200	
GF5024AGD75	282	GB	\$1,213	79		GF6038BH	271	GB	\$1,296	126	

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Geamotors and
Gear Products

Motor
Accessories

Grinders

Generators

Servo Motors
and Controls

Mod Express

Baldor Education
Workshops

Catalog Index

Baldor
District Offices

Catalog Number	Page Number	Mult. Sym.	List Price	Shpg. Wgt.*	Alternate Catalog Number	Catalog Number	Page Number	Mult. Sym.	List Price	Shpg. Wgt.*	Alternate Catalog Number
GHF0513AH	272	GB	\$477	20	GHF0518AH	GHM37520	261	DS	\$737	42	
GHF0518AH	272	GB	\$511	30		GHM37530	261	DS	\$737	42	
GHF1018AH	272	GB	\$511	30	GHF1021AH	GIF0932A	288	GB	\$611	22	
GHF1021AH	272	GB	\$607	35		GIF0932B	288	GB	\$611	22	GIF0942B
GHF1030CH	272	GB	\$1,101	75		GIF0942B	288	GB	\$698	29	
GHF1513AH	272	GB	\$477	20	GHF1518AH	GIF0942C	288	GB	\$698	32	GIF0962C
GHF1518AH	272	GB	\$511	30	GHF1521AH	GIF0962C	288	GB	\$1,020	49	
GHF1521AH	272	GB	\$607	35	GHF1524AH	GIF0962D	288	GB	\$1,020	49	GIF0972D
GHF1524AH	272	GB	\$729	45		GIF0972D	288	GB	\$1,659	99	
GHF1530BH	272	GB	\$1,101	75		GIF1432A	288	GB	\$611	22	
GHF2013AH	272	GB	\$477	20	GHF2018AH	GIF1442B	288	GB	\$698	29	
GHF2018AH	272	GB	\$511	30		GIF1462C	288	GB	\$1,020	63	GIF1472C
GHF2021AH	272	GB	\$607	35	GHF2024AH	GIF1472C	288	GB	\$1,659	99	
GHF2024AH	272	GB	\$729	45	GHF2026AH	GIF1472D	288	GB	\$1,659	92	
GHF2026AH	272	GB	\$861	56		GIF1832A	288	GB	\$611	22	GIF1842A
GHF2030BH	272	GB	\$1,101	75		GIF1842A	288	GB	\$698	29	
GHF2518AH	272	GB	\$511	30		GIF1842B	288	GB	\$664	29	GIF1862B
GHF2521AH	272	GB	\$607	35		GIF1862B	288	GB	\$1,020	48	
GHF2526BH	272	GB	\$861	56		GIF1862C	288	GB	\$1,020	63	GIF1872C
GHF2530BH	272	GB	\$1,101	75		GIF1872C	288	GB	\$1,659	99	
GHF3013AH	272	GB	\$477	20	GHF3018AH	GIF1872D	288	GB	\$1,659	99	
GHF3018AH	272	GB	\$511	30	GHF3021AH	GIF2532A	288	GB	\$611	22	GIF2542A
GHF3021AH	272	GB	\$607	35	GHF3024AH	GIF2542A	288	GB	\$698	29	
GHF3024AH	272	GB	\$729	45	GHF3026AH	GIF2542B	288	GB	\$698	29	GIF2562B
GHF3026AH	272	GB	\$861	56		GIF2562B	288	GB	\$1,020	48	
GHF3030BH	272	GB	\$1,101	75	GHF3032BH	GIF2562C	288	GB	\$1,020	63	GIF2572C
GHF3032BH	272	GB	\$1,193	95		GIF2572C	288	GB	\$1,659	99	
GHF4018AH	272	GB	\$511	30	GHF4021AH	GIF4042A	288	GB	\$698	29	GIF4062A
GHF4021AH	272	GB	\$607	35	GHF4024AH	GIF4062A	288	GB	\$1,020	48	
GHF4024AH	272	GB	\$729	45	GHF4026AH	GIF4062B	288	GB	\$1,020	48	
GHF4026AH	272	GB	\$861	56		GIF5642A	288	GB	\$698	29	GIF5662A
GHF4026BH	272	GB	\$861	56	GHF4030BH	GIF5662A	288	GB	\$1,020	48	
GHF4032BH	272	GB	\$1,193	95		GLF0515AG	276	GB	\$403	30	GLF0821AG
GHF5013AH	272	GB	\$477	20	GHF5018AH	GLF0821AG	276	GB	\$511	38	
GHF5018AH	272	GB	\$511	30	GHF5021AH	GLF0821AJ	276	GB	\$511	38	
GHF5021AH	272	GB	\$607	35	GHF5024AH	GLF0821BG	276	GB	\$511	38	GLF0826BG
GHF5024AH	272	GB	\$729	45	GHF5030AH	GLF0826BG	276	GB	\$701	60	
GHF5030AH	272	GB	\$1,101	75	GHF5032AH	GLF0826CG	276	GB	\$701	60	
GHF5032AH	272	GB	\$1,193	95		GLF1018AG	276	GB	\$414	32	GLF1021AG
GHF6018AH	272	GB	\$511	30	GHF6021AH	GLF1021AG	276	GB	\$511	38	
GHF6021AH	272	GB	\$607	35	GHF6024AH	GLF1021BG	276	GB	\$511	38	GLF1024BG
GHF6024AH	272	GB	\$729	45	GHF6026AH	GLF1021BJ	276	GB	\$511	38	
GHF6026AH	272	GB	\$861	56	GHF6030AH	GLF1024BG	276	GB	\$600	45	GLF1026BG
GHF6030AH	272	GB	\$1,101	75	GHF6032AH	GLF1026BG	276	GB	\$701	60	
GHF6032AH	272	GB	\$1,193	95		GLF1026CG	276	GB	\$701	60	GLF1032CG
GHL31010	260	DS	\$913	55	GHL35010	GLF1032CG	276	GB	\$1,023	100	
GHL31020	260	DS	\$913	55	GHL35020	GLF1513AG	276	GB	\$371	20	GLF1521AG
GHL31030	260	DS	\$913	55	GHL35030	GLF1521AG	276	GB	\$511	38	
GHL35010	260	DS	\$743	45	GHL37510	GLF1521AJ	276	GB	\$511	38	
GHL35020	260	DS	\$743	45	GHL37520	GLF1526BG	276	GB	\$701	60	
GHL35030	260	DS	\$743	45	GHL37530	GLF1526BJ	276	GB	\$701	60	
GHL35060	260	DS	\$743	45		GLF1532CG	276	GB	\$1,023	100	
GHL37510	260	DS	\$799	50		GLF1532CJ	276	GB	\$1,023	100	
GHL37520	260	DS	\$799	50		GLF1538CG	276	GB	\$1,249	130	
GHL37530	260	DS	\$799	50		GLF2013AG	276	GB	\$371	20	GLF2018AG
GHM31010	261	DS	\$757	45	GHM35010	GLF2018AG	276	GB	\$414	32	GLF2021AG
GHM31020	261	DS	\$757	45	GHM35020	GLF2021AG	276	GB	\$511	38	
GHM31030	261	DS	\$757	45	GHM35030	GLF2021AJ	277	GB	\$511	38	
GHM35010	261	DS	\$716	40	GHM37510	GLF2026BG	277	GB	\$701	60	
GHM35020	261	DS	\$716	40	GHM37520	GLF2026BJ	277	GB	\$701	60	
GHM35030	261	DS	\$716	40	GHM37530	GLF2032CG	277	GB	\$1,023	100	
GHM35060	261	DS	\$716	40		GLF2515AG	277	GB	\$403	30	GLF2518AG
GHM37510	261	DS	\$737	42		GLF2518AG	277	GB	\$414	32	GLF2521AG

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Catalog Number	Page Number	Mult. Sym.	List Price	Shpg. Wgt.*	Alternate Catalog Number	Catalog Number	Page Number	Mult. Sym.	List Price	Shpg. Wgt.*	Alternate Catalog Number
GLF2521AG	277	GB	\$511	38	GLF2526AG	GM3337	261	DS	\$563	24	GM3340
GLF2521AJ	277	GB	\$511	38		GM3338	261	DS	\$563	24	
GLF2526AG	277	GB	\$701	60		GM3340	261	DS	\$560	24	GM2506
GLF2526BG	277	GB	\$701	60	GLF2532BG	GM3345	261	DS	\$560	24	GM2503
GLF2526BJ	277	GB	\$701	60		GM3347	261	DS	\$560	24	GM2501
GLF2532BG	277	GB	\$1,023	100		GM3349	261	DS	\$560	24	
GLF2532CG	277	GB	\$1,023	100		GMP3330	263	DS	\$648	27	GMP3342
GLF2532CJ	277	GB	\$1,023	100		GMP3332	263	DS	\$609	27	GMP3344
GLF3013AG	277	GB	\$371	20	GLF3015AG	GMP3336	263	DS	\$609	27	GMP3348
GLF3015AG	277	GB	\$403	30	GLF3018AG	GMP3338	263	DS	\$609	27	
GLF3018AG	277	GB	\$414	32	GLF3021AG	GMP3340	263	DS	\$685	27	
GLF3018AJ	277	GB	\$414	32		GMP3342	263	DS	\$685	27	
GLF3021AG	277	GB	\$511	38	GLF3024AG	GMP3344	263	DS	\$646	27	
GLF3024AG	277	GB	\$600	45		GMP3348	263	DS	\$646	27	
GLF3026BG	277	GB	\$701	60		GP12511	264	DS	\$456	10	GP13530
GLF3026BJ	277	GB	\$701	60		GP12512	264	DS	\$456	10	GP13532
GLF3032CG	277	GB	\$1,023	100	GLF3038CG	GP12514	264	DS	\$456	10	GP13533
GLF3038CG	277	GB	\$1,249	130		GP12516	264	DS	\$456	10	GP13536
GLF4018AG	277	GB	\$414	32	GLF4021AG	GP13530	264	DS	\$479	10	GP7403
GLF4021AG	277	GB	\$511	38	GLF4024AG	GP13531	264	DS	\$479	10	GP7402
GLF4024AG	277	GB	\$600	45	GLF4026AG	GP13532	264	DS	\$479	10	GP7401
GLF4026AG	277	GB	\$701	60		GP13533	264	DS	\$479	10	GP7400
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GLF4038CG	277	GB	\$1,249	130		GP231001	263	DS	\$289	5	GP232001
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GLF6015AG	277	GB	\$403	30	GLF6018AG	GP231004	263	DS	\$357	8	
GLF6018AG	277	GB	\$414	32	GLF6021AG	GP231005	263	DS	\$282	5	
GLF6021AG	277	GB	\$511	38	GLF6026AG	GP232001	263	DS	\$289	5	
GLF6026AG	277	GB	\$701	60	GLF6032AG	GP232002	263	DS	\$357	7	GP233006
GLF6032AG	277	GB	\$1,023	100		GP232003	263	DS	\$357	8	
GLF6032BG	277	GB	\$1,023	100		GP232004	263	DS	\$400	7	
GLP3310	262	DS	\$629	25		GP232005	263	DS	\$400	7	
GLP3328	262	DS	\$655	25		GP232006	263	DS	\$400	7	GP7304
GLP3330	262	DS	\$655	25	GLP3342	GP232007	263	DS	\$418	7	GP7409
GLP3332	262	DS	\$616	25	GLP3344	GP233001	263	DS	\$371	7	GP12514
GLP3336	262	DS	\$616	25	GLP3348	GP233002	263	DS	\$371	7	GP12512
GLP3338	262	DS	\$616	25		GP233003	263	DS	\$371	8	GP233005
GLP3342	262	DS	\$691	25	GLP3330	GP233004	263	DS	\$371	8	GP12512
GLP3344	262	DS	\$651	25	GLP3332	GP233005	263	DS	\$371	8	GP12511
GLP3346	262	DS	\$651	25		GP233006	263	DS	\$371	8	GP12511
GLP3348	262	DS	\$651	25	GLP3336	GP233007	263	DS	\$371	7	
GM24280	261	DS	\$634	21		GP233020	264	DS	\$418	7	
GM2501	261	DS	\$573	28	GM3301	GP233021	264	DS	\$371	7	
GM25016	261	DS	\$482	15		GP233022	264	DS	\$371	7	GP233024
GM25020	261	DS	\$634	21		GP233023	264	DS	\$371	7	GP7422
GM25021	261	DS	\$482	15		GP233024	264	DS	\$371	8	GP7421
GM25022	261	DS	\$369	15	GM3349	GP233025	264	DS	\$371	8	GP7422
GM25024	261	DS	\$369	15	GM3347	GP233026	264	DS	\$371	8	GP7423
GM25026	261	DS	\$357	15		GP233027	264	DS	\$436	7	GP7429
GM2503	261	DS	\$573	28	GM3303	GP233028	264	DS	\$418	7	
GM2506	261	DS	\$573	28	GM3306	GP233029	264	DS	\$418	7	
GM25060	261	DS	\$634	21		GP24060	264	DS	\$638	21	
GM2507	261	DS	\$573	28	GM3307	GP24120	264	DS	\$638	21	
GM25080	261	DS	\$634	21		GP24190	264	DS	\$638	21	
GM25190	261	DS	\$634	21		GP24280	264	DS	\$638	21	
GM3301	261	DS	\$577	35	GHM35010	GP2501	264	DS	\$624	25	GP3301
GM3303	261	DS	\$577	35	GHM35020	GP2503	264	DS	\$624	25	GP3303
GM3306	261	DS	\$577	35		GP2506	264	DS	\$624	25	GP3306
GM3307	261	DS	\$577	35		GP2507	264	DS	\$624	25	GP3307
GM3329	261	DS	\$465	15		GP3301	264	DS	\$725	35	GP2501
GM3331	261	DS	\$487	24		GP3303	264	DS	\$725	35	GP2503
GM3334	261	DS	\$563	24	GM3345	GP3306	264	DS	\$725	35	GP2506

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GP3307	264	DS	\$725	35	GP2507	GPP3348	266	DS	\$815	35	
GP7304	263	DS	\$547	13		GPP3370	266	DS	\$852	35	
GP7400	264	DS	\$508	14	GP13533	GPP3374	266	DS	\$815	35	
GP7401	264	DS	\$508	14	GP13532	GPP3378	266	DS	\$815	35	
GP7402	264	DS	\$508	14	GP13531	GPP3380	266	DS	\$852	35	
GP7403	264	DS	\$508	14	GP13530	GPP3384	266	DS	\$815	35	
GP7404	264	DS	\$508	14	GP2507	GPP3388	266	DS	\$815	35	
GP7405	264	DS	\$508	14	GP2506	GPP7450	266	DS	\$510	17	GPP3348
GP7406	264	DS	\$508	14	GP2503	GPP7451	266	DS	\$510	17	
GP7407	264	DS	\$508	14	GP2506	GPP7452	266	DS	\$510	15	GPP3344
GP7408	264	DS	\$508	14	GP2507	GPP7453	266	DS	\$555	17	GPP2534
GP7409	263	DS	\$560	15		GPP7454	266	DS	\$555	17	GPP3340
GP7413	264	DS	\$508	14		GPP7455	266	DS	\$555	17	GPP2530
GP7420	264	DS	\$508	14		GPP7456	266	DS	\$555	17	
GP7421	264	DS	\$508	14	GP7427	GPP7457	266	DS	\$578	17	
GP7422	264	DS	\$508	14	GP7428	GPP7458	266	DS	\$578	17	
GP7423	264	DS	\$508	14		GPP7459	266	DS	\$578	17	
GP7424	264	DS	\$508	14		GPP7460	266	DS	\$555	17	GPP2530
GP7425	264	DS	\$508	14		GPP7461	266	DS	\$578	17	
GP7426	264	DS	\$508	14		GPP7462	266	DS	\$578	17	GPP7458
GP7427	264	DS	\$508	14		GPP7470	266	DS	\$510	17	GPP3388
GP7428	264	DS	\$508	14		GPP7471	266	DS	\$510	17	
GP7429	264	DS	\$578	15		GPP7472	266	DS	\$510	17	GPP3384
GP7433	264	DS	\$508	14		GPP7473	266	DS	\$555	17	GPP3374
GPF13514	265	DS	\$528	15		GPP7474	266	DS	\$555	17	GPP3380
GPF13515	265	DS	\$528	15		GPP7475	266	DS	\$555	17	GPP3370
GPF13516	265	DS	\$528	15		GPP7476	266	DS	\$555	17	
GPF13517	265	DS	\$528	15		GPP7477	266	DS	\$578	17	
GPF13530	265	DS	\$528	15		GPP7478	266	DS	\$578	17	GPP7477
GPF13532	265	DS	\$528	15		GPP7479	266	DS	\$578	17	GPP7478
GPP12501	265	DS	\$391	11	GPP12541	GRF10032A	289	GB	\$881	26	
GPP12502	265	DS	\$391	11	GPP12543	GRF10042A	289	GB	\$1,142	31	
GPP12503	265	DS	\$391	11		GRF1432A	289	GB	\$881	26	
GPP12504	265	DS	\$411	11	GPP12545	GRF1432B	289	GB	\$881	26	
GPP12505	265	DS	\$411	11	GPP12547	GRF1442B	289	GB	\$1,142	31	
GPP12521	266	DS	\$396	11	GPP12561	GRF1442C	289	GB	\$1,142	31	
GPP12525	266	DS	\$396	11	GPP12567	GRF1452B	289	GB	\$1,274	35	
GPP12540	265	DS	\$438	12	GPP7450	GRF1452C	289	GB	\$1,274	38	
GPP12541	265	DS	\$438	12	GPP7451	GRF1462C	289	GB	\$1,677	80	
GPP12542	265	DS	\$438	12	GPP7452	GRF1462D	289	GB	\$1,677	80	
GPP12543	265	DS	\$438	12	GPP7453	GRF2232A	289	GB	\$881	26	
GPP12544	265	DS	\$458	12	GPP7454	GRF2242A	289	GB	\$1,142	31	
GPP12545	265	DS	\$458	12	GPP7455	GRF2252B	289	GB	\$1,274	35	
GPP12547	265	DS	\$458	12	GPP7456	GRF2252C	289	GB	\$1,274	38	
GPP12560	266	DS	\$438	11	GPP7470	GRF2262C	289	GB	\$1,677	80	
GPP12561	266	DS	\$438	11	GPP7471	GRF3232A	289	GB	\$881	26	
GPP12564	266	DS	\$442	11	GPP7474	GRF3252B	289	GB	\$1,274	35	
GPP12567	266	DS	\$442	11	GPP7476	GRF3262C	289	GB	\$1,677	80	
GPP231108	265	DS	\$357	8	GPP233141	GRF6332A	289	GB	\$881	26	
GPP231109	265	DS	\$339	8	GPP233112	GRF6342A	289	GB	\$1,142	31	
GPP231110	265	DS	\$339	8	GPP12503	GRF6352B	289	GB	\$1,274	35	
GPP232110	265	DS	\$357	7	GPP233140	GS1018G	278	GB	\$346	25	GS1021G
GPP233111	265	DS	\$371	8	GPP12504	GS1021G	278	GB	\$409	28	GS1026G
GPP233112	265	DS	\$371	8	GPP12505	GS1026G	278	GB	\$575	50	
GPP233120	266	DS	\$371	8		GS1515G	278	GB	\$342	21	GS1518G
GPP233121	266	DS	\$371	8		GS1518G	278	GB	\$346	25	GS1521G
GPP233140	265	DS	\$457	10	GPP233141	GS1521G	278	GB	\$409	28	
GPP233141	265	DS	\$457	10	GPP233140	GS2018G	278	GB	\$346	25	GS2021G
GPP2530	266	DS	\$759	24		GS2021G	278	GB	\$409	28	GS2024G
GPP2534	266	DS	\$722	24		GS2024G	278	GB	\$509	38	GS2026G
GPP2538	266	DS	\$722	24		GS2026G	278	GB	\$575	50	
GPP3340	266	DS	\$852	35		GS2515G	278	GB	\$342	21	
GPP3344	266	DS	\$852	35		GS3013G	278	GB	\$331	18	GS3015G

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GS3018G	278	GB	\$346	25	GS3021G	GSF4030BA	287	GB	\$943	57	GSF4035BA
GS3021G	278	GB	\$409	28	GS3026G	GSF4035BA	287	GB	\$1,294	83	
GS3026G	278	GB	\$575	50		GSF5013AA	287	GB	\$436	21	GSF5018AA
GS4015G	278	GB	\$342	21	GS4018G	GSF5018AA	287	GB	\$477	23	GSF5020AA
GS4018G	278	GB	\$346	25	GS4021G	GSF5020AA	287	GB	\$570	30	GSF5023AA
GS4021G	278	GB	\$409	28	GS4026G	GSF5023AA	287	GB	\$647	33	GSF5026AA
GS4026G	278	GB	\$575	50		GSF5026AA	287	GB	\$825	51	GSF5030AA
GS5018G	278	GB	\$346	25	GS5021G	GSF5030BA	287	GB	\$943	57	GSF5035BA
GS5021G	278	GB	\$409	28	GS5026G	GSF5035BA	287	GB	\$1,294	86	
GS5026G	278	GB	\$575	50		GSF6018AA	287	GB	\$477	23	GSF6020AA
GS6013G	278	GB	\$331	18	GS6015G	GSF6020AA	287	GB	\$570	29	GSF6023AA
GS6015G	278	GB	\$342	21	GS6018G	GSF6023AA	287	GB	\$647	33	GSF6026AA
GS6018G	278	GB	\$346	25	GS6021G	GSF6026AA	287	GB	\$825	51	GSF6030AA
GS6021G	278	GB	\$409	28	GS6024G	GSF6030AA	287	GB	\$943	56	
GS6024G	278	GB	\$509	38	GS6026G	GSF6035BA	287	GB	\$1,294	83	
GS6026G	278	GB	\$575	50		GSL3509M	117	K	\$541	42	
GSF1013AA	286	GB	\$436	21	GSF1018AA	GTK30A10	317	G8	\$670	37	
GSF1018AA	286	GB	\$477	22		GTK30PBK	317	G8	\$125	4	
GSF1018BA	286	GB	\$477	23		GTK50A12	317	G8	\$905	45	
GSF1020AA	286	GB	\$570	30		GTK50PBK	317	G8	\$150	5	
GSF1020BA	286	GB	\$570	29	GSF1023BA	H3M9101	107	LS	\$232	21	
GSF1023BA	286	GB	\$647	32	GSF1026BA	H3M9102	107	LS	\$252	24	
GSF1026BA	286	GB	\$825	46		H3M9104	107	LS	\$256	24	
GSF1026CA	286	GB	\$825	55	GSF1030CA	H3M9105	107	K	\$277	27	
GSF1030CA	286	GB	\$943	61		H3M9106	107	LS	\$300	24	
GSF1513AA	286	GB	\$436	21	GSF1518AA	H3M9110	107	LS	\$321	31	
GSF1518AA	286	GB	\$477	23	GSF1520AA	H3M9112T	108	L1	\$354	40	
GSF1520AA	286	GB	\$570	29	GSF1523AA	H3M9114T	108	LS	\$319	44	
GSF1523AA	286	GB	\$647	37		H3M9117T	108	L1	\$407	41	
GSF1523BA	286	GB	\$647	33	GSF1526BA	H3M9118T	108	LS	\$334	48	
GSF1526BA	286	GB	\$825	51	GSF1530BA	H3M9121T	108	LS	\$487	68	
GSF1530BA	286	GB	\$943	57		H3M9122T	108	LS	\$395	71	
GSF1530CA	286	GB	\$943	61	GSF1535CA	H3M9125T	108	LS	\$560	75	
GSF1535CA	286	GB	\$1,294	86		H3M9126T	108	LS	\$452	81	
GSF2013AA	286	GB	\$436	24	GSF2018AA	H3M9128T	108	LS	\$825	100	
GSF2018AA	286	GB	\$477	23	GSF2020AA	H3M9129T	108	LS	\$580	128	
GSF2020AA	286	GB	\$570	30		H3M9131T	108	LS	\$865	128	
GSF2020BA	286	GB	\$570	28		H3M9132T	108	LS	\$708	140	
GSF2023AA	286	GB	\$647	37	GSF2026AA	H3M9133T	108	LS	\$1,370	158	
GSF2023BA	286	GB	\$647	33		H3M9135T	108	LS	\$1,211	187	
GSF2026AA	286	GB	\$825	51		H3M9139T	108	LS	\$1,495	250	
GSF2026BA	286	GB	\$825	51	GSF2030BA	H3M9201	105	LS	\$198	20	
GSF2030BA	286	GB	\$943	57		H3M9202	105	LS	\$222	24	
GSF2030CA	286	GB	\$943	62	GSF2035CA	H3M9204	105	LS	\$234	24	
GSF2035CA	286	GB	\$1,294	90		H3M9205	105	LS	\$246	27	
GSF2513AA	287	GB	\$436	21	GSF2518AA	H3M9206	105	LS	\$269	27	
GSF2518AA	287	GB	\$477	23	GSF2520AA	H3M9210	105	LS	\$279	31	
GSF2520AA	287	GB	\$570	29	GSF2523AA	H3M9212T	106	LS	\$325	35	
GSF2523AA	287	GB	\$647	33		H3M9214T	106	LS	\$296	39	
GSF2530BA	287	GB	\$943	56		H3M9217T	106	LS	\$359	41	
GSF3013AA	287	GB	\$436	21	GSF3018AA	H3M9218T	106	LS	\$321	43	
GSF3018AA	287	GB	\$477	22	GSF3020AA	H3M9221T	106	LS	\$381	45	
GSF3020AA	287	GB	\$570	30	GSF3023AA	H3M9222T	106	LS	\$348	61	
GSF3023AA	287	GB	\$647	33	GSF3026AA	H3M9225T	106	LS	\$394	55	
GSF3026AA	287	GB	\$825	50		H3M9226T	106	LS	\$384	69	
GSF3030BA	287	GB	\$943	57	GSF3035BA	H3M9228T	106	LS	\$543	69	
GSF3035BA	287	GB	\$1,294	82		H3M9229T	106	LS	\$535	107	
GSF4013AA	287	GB	\$436	21	GSF4018AA	H3M9231T	106	LS	\$681	110	
GSF4018AA	287	GB	\$477	11	GSF4020AA	H3M9232T	106	LS	\$671	132	
GSF4020AA	287	GB	\$570	30	GSF4023AA	H3M9233T	106	LS	\$996	129	
GSF4023AA	287	GB	\$647	33	GSF4026AA	H3M9235T	106	LS	\$1,006	158	
GSF4026AA	287	GB	\$825	51	GSF4030AA	H3M9238T	106	LS	\$1,272	170	
GSF4030AA	287	GB	\$943	57		H3M9239T	106	LS	\$1,225	235	

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H3M9241T	106	LS	\$1,538	221		HM9126T	107	LS	\$452	78	
H3M9242T	106	LS	\$1,486	252		HM9129T	107	LS	\$580	128	
H3M9244T	106	LS	\$1,629	235		HM9132T	107	LS	\$708	139	
H3M9246T	106	LS	\$1,716	249		HM9135T	107	LS	\$1,211	236	
H3M9248T	106	LS	\$2,295	251		HM9139T	107	LS	\$1,495	269	
H3M9249T	106	LS	\$2,213	339		HM9142T	107	LS	\$1,855	416	
H3M9252T	106	LS	\$2,565	378		HM9146T	107	LS	\$2,157	414	
H3M9255T	106	LS	\$3,167	475		HM9149T	107	LS	\$2,880	528	
H3M9258T	106	LS	\$3,879	544		HM9152T	107	LS	\$3,004	562	
HFM2515T	103	LS	\$1,225	235		HM9155T	107	LS	\$4,499	723	
HFM2523T	103	LS	\$1,006	165		HM9158T	107	LS	\$5,558	814	
HFM2531T	103	LS	\$1,486	226		HM9210	105	LS	\$279	31	
HFM2535T	103	LS	\$1,716	280		HM9214T	105	LS	\$296	39	
HFM2539T	103	LS	\$2,213	350		HM9218T	105	LS	\$321	42	
HFM2543T	103	LS	\$2,565	400		HM9222T	105	LS	\$348	60	
HFM2547T	103	LS	\$3,167	523		HM9226T	105	LS	\$384	68	
HFM2551T	103	LS	\$3,879	544		HM9229T	105	LS	\$535	106	
HFM2555T	103	LS	\$4,927	797		HM9232T	105	LS	\$671	120	
HFM3116T	103	LS	\$279	32		HM9235T	105	LS	\$1,006	165	
HFM3154T	103	LS	\$296	39		HM9239T	105	LS	\$1,225	235	
HFM3157T	103	LS	\$321	42		HM9242T	105	LS	\$1,486	226	
HFM3211T	103	LS	\$348	60		HM9246T	105	LS	\$1,716	280	
HFM3218T	103	LS	\$384	68		HM9249T	105	LS	\$2,213	350	
HFM3311T	103	LS	\$535	106		HM9252T	105	LS	\$2,565	500	
HFM3313T	103	LS	\$671	120		HM9255T	105	LS	\$3,167	523	
HIC164A	95	C1	\$239	27		HM9258T	105	LS	\$3,879	544	
HIC174A	95	C1	\$239	27		HPM3545	79, 125	K	\$434	35	
HIC264A	95	C1	\$257	25		HPM3550T	79, 125	L1	\$466	39	
HIC274A	95	C1	\$257	28		HPM3555T	79, 125	L1	\$503	45	
HIC364A	95	C1	\$278	27		HPM3611T	79, 125	L1	\$531	70	
HIC374A	95	C1	\$278	29		HPM3615T	79, 125	L1	\$587	83	
HM2515T	102	LS	\$1,225	235		HPM3710T	79, 125	L1	\$755	133	
HM2523T	102	LS	\$1,006	165		HPM3714T	79, 125	L1	\$891	145	
HM2531T	102	LS	\$1,486	226		HPU10	249	E9	\$175	2	
HM2535T	102	LS	\$1,716	280		ID15H201-E	201	E1	\$1,142	22	IHH201-E
HM2539T	102	LS	\$2,213	350		ID15H201-W	205	E1	\$1,568	52	IHH201-W
HM2543T	102	LS	\$2,565	400		ID15H202-E	201	E1	\$1,300	20	IHH202-E
HM2547T	102	LS	\$3,167	523		ID15H202-W	205	E1	\$1,783	60	IHH202-W
HM2551T	102	LS	\$3,879	544		ID15H203-E	201	E1	\$1,518	60	IHH203-E
HM2555T	102	LS	\$4,927	797		ID15H203-W	205	E1	\$2,080	60	IHH203-W
HM3108	104	K	\$240	24		ID15H205-E	201	E1	\$1,747	58	IHH205-E
HM3108A	104	K	\$309	23		ID15H205-W	205	E1	\$2,404	30	IHH205-W
HM3112	104	K	\$266	23		ID15H207-E	201	E1	\$2,177	14	IHH207-E
HM3112A	104	K	\$340	26		ID15H207-W	205	E1	\$2,987	28	IHH207-W
HM3116	104	K	\$300	32		ID15H210-E	201	E1	\$3,061	23	IHH210-E
HM3116A	104	K	\$375	32		ID15H210-W	205	E1	\$4,197	28	IHH210-W
HM3116T	102	LS	\$279	32		ID15H215-E	201	E1	\$4,001	23	IHH215-E
HM3154	104	K	\$345	36		ID15H215-W	205	E1	\$5,532	28	IHH215-W
HM3154A	104	K	\$374	36		ID15H220-EO	201	E1	\$4,941	64	IHH220-W
HM3154T	102	LS	\$296	39		ID15H225-EO	201	E1	\$6,616	66	IHH225-E
HM3157	104	K	\$362	39		ID15H230-EO	201	E1	\$7,592	64	IHH230-E
HM3157A	104	K	\$431	40		ID15H240-MO	201	E1	\$10,113	93	IHH240-M
HM3157T	102	LS	\$321	42		ID15H250-MO	201	E1	\$12,406	92	IHH250-M
HM3161A	104	K	\$470	50		ID15H401-E	202	E1	\$1,513	22	IHH401-E
HM3211T	102	LS	\$348	60		ID15H401-W	205	E1	\$2,098	21	IHH401-W
HM3218T	102	LS	\$384	68		ID15H402-E	202	E1	\$1,740	22	IHH402-E
HM3218TA	104	L1	\$531	72		ID15H402-W	205	E1	\$2,405	23	IHH402-W
HM3311T	102	LS	\$535	106		ID15H403-E	202	E1	\$2,023	21	IHH403-E
HM3313T	102	LS	\$671	120		ID15H403-W	205	E1	\$2,779	23	IHH403-W
HM9110T	107	LS	\$313	31		ID15H405-E	202	E1	\$2,270	18	IHH405-E
HM9114T	107	LS	\$319	40		ID15H405-W	205	E1	\$3,122	8.3	IHH405-W
HM9118T	107	LS	\$334	45		ID15H407-E	202	E1	\$3,263	199	IHH407-E
HM9122T	107	LS	\$395	70		ID15H407-W	205	E1	\$4,377	28	IHH407-W

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ID15H4100-E0	202	E1	\$17,866	65	IHH4100-E	ID15P403-ER	173	E1	\$1,307	25	ID15P405-ER
ID15H410-E	202	E1	\$3,467	27	IHH410-E	ID15P405-ER	173	E1	\$1,479	5	ID15P407-ER
ID15H410-W	205	E1	\$4,765	28	IHH410-W	ID15P407-ER	173	E1	\$1,899	17	
ID15H4150-E0	202	E1	\$26,144	372		ID5202-C0	175	E9	\$640	5	ID5203-C0
ID15H4150V-E0	202	E1	\$20,218	210		ID5203-B0	175	E9	\$985	8	ID5203-W0
ID15H415-E	202	E1	\$4,124	30	IHH415-E	ID5203-C0	175	E9	\$674	5	
ID15H415-W	205	E1	\$5,660	30		ID5203-W0	175	E9	\$1,036	8	
ID15H4200-E0	202	E1	\$32,767	362		ID5401-C0	175	E9	\$697	5	ID5402-C0
ID15H420-E0	202	E1	\$4,969	60	IHH420-E	ID5402-C0	175	E9	\$715	5	ID5403-C0
ID15H4250-E0	202	E1	\$39,651	430		ID5403-B0	175	E9	\$1,046	8	ID5403-W0
ID15H425-E0	202	E1	\$6,546	59	IHH425-E	ID5403-C0	175	E9	\$735	5	ID5405-C0
ID15H4300-E0	202	E1	\$50,126	740		ID5403-W0	175	E9	\$1,097	8	ID5405-W0
ID15H430-E0	202	E1	\$7,884	54	IHH430-E	ID5405-B0	175	E9	\$1,117	8	ID5405-W0
ID15H4350-E0	202	E1	\$58,910	752		ID5405-C0	175	E9	\$939	5	
ID15H4400-E0	202	E1	\$65,533	900		ID5405-W0	175	E9	\$1,168	8	
ID15H440-E0	202	E1	\$9,237	87	IHH440-E	ID5601-B0	175	E9	\$608	6	ID5601-W0
ID15H4450-E0	202	E1	\$76,502	900		ID5601-C0	175	E9	\$406	5	ID5602-C0
ID15H450-E0	202	E1	\$12,527	88	IHH450-E	ID5601-W0	175	E9	\$648	6	ID5602-W0
ID15H460-E0	202	E1	\$13,670	91	IHH460-E	ID5602-B0	175	E9	\$863	8	ID5602-W0
ID15H475-E0	202	E1	\$14,375	161	IHH475-E	ID5602-C0	175	E9	\$528	5	
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ID15H505-E	203	E1	\$2,610	23	IHH505-E	ID5FRS-1	175	E9	\$28	1	
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ID15H5100-E0	203	E1	\$21,439	209	IHH5100-E	ID5SI-1	175	E9	\$180	4	
ID15H510-E	203	E1	\$3,995	23	IHH510-E	ID5SI-2	175	E9	\$204	1	
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JL345A	77, 89	C1	\$238	22	CJL1304A	JML3608T	81	L1	\$962	91	
JL3501A	77	K	\$271	22		JMM2333T	83	L1	\$1,838	233	
JL3503A	77	K	\$249	25		JMM2333T-5	147	L1	\$1,838	203	
JL3504A	77	K	\$316	26		JMM2334T	83	L1	\$1,946	280	
JL3506A	77	K	\$297	28		JMM2394T	83	L1	\$1,885	219	

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JMM2394T-5	147	L1	\$1,492	192		JMM3713T	83	L1	\$1,433	159	JMWDM3713T
JMM2513T	85	L1	\$1,324	190	JMM2333T	JMM3713T-5	147	L1	\$1,433	151	
JMM2514T	85	L1	\$1,591	213		JMM3714T	83	L1	\$1,006	137	JMWDM3714T
JMM2515T	85	L1	\$1,607	208	JMM2334T	JMM3714T-5	147	L1	\$1,006	138	
JMM2516T	85	L1	\$1,971	177		JMM4103T	83	L1	\$2,275	372	
JMM2531T	85	L1	\$1,990	290		JMM4104T	84	L1	\$2,802	416	
JMM2534T	85	L1	\$2,022	286		JMM4106T	83	L1	\$2,075	260	
JMM2535T	85	L1	\$2,282	314		JMM4107T	83	L1	\$2,331	378	
JMM2538T	85	L1	\$2,971	331		JMM4108T	84	L1	\$3,050	380	
JMM2539T	85	L1	\$2,960	409		JMM4109T	84	L1	\$3,662	486	
JMM2542T	85	L1	\$3,233	377		JMM4110T	84	L1	\$3,530	525	
JMM2543T	85	L1	\$3,368	378		JMM4114T	84	L1	\$3,995	572	
JMM2546T	86	L1	\$4,024	403		JMM4115T	84	L1	\$4,138	560	
JMM3116T	84	L1	\$391	36	JMM3546T	JMM7026T	86	L1	\$947	84	
JMM3120T	84	L1	\$408	36	JMM3550T	JMM7045T	86	L1	\$1,688	149	
JMM3154T	84	L1	\$387	38	JMM3554T	JMM7072T	86	L1	\$1,280	101	
JMM3155T	84	L1	\$451	37	JMM3555T	JMM7073T	86	L1	\$1,439	118	
JMM3157T	84	L1	\$442	41	JMM3558T	JMM7074T	86	L1	\$1,912	171	
JMM3158T	84	L1	\$479	43	JMM3559T	JMM7075T	86	L1	\$947	63	
JMM3158T-5	147	L1	\$479	45		JMSM3545T-2	178	E1	\$1,547	60	
JMM3211T	84	L1	\$475	60	JMM3611T	JMSM3545T-4	178	E1	\$1,921	35	
JMM3211T-5	147	L1	\$475	60		JMSM3555T-2	178	E1	\$1,682	60	
JMM3212T	85	L1	\$539	62		JMSM3555T-4	178	E1	\$2,036	51	
JMM3212T-5	147	L1	\$539	62		JMSM3610T-2	178	E1	\$1,832	62	
JMM3218T	85	L1	\$514	67	JMM3615T	JMSM3610T-4	178	E1	\$2,337	54	
JMM3218T-5	147	L1	\$514	66		JMSM3613T-2	178	E1	\$2,200	67	
JMM3219T	85	L1	\$659	72	JMM3616T	JMSM3613T-4	178	E1	\$2,723	67	
JMM3219T-5	147	L1	\$659	73		JMSM3709T-2	178	E1	\$2,973	158	
JMM3311T	85	L1	\$746	104	JMM3710T	JMSM3709T-4	178	E1	\$3,919	158	
JMM3311T-5	147	L1	\$746	104		JMSM3711T-2	178	E1	\$3,669	162	
JMM3312T	85	L1	\$896	96		JMSM3711T-4	178	E1	\$4,307	162	
JMM3312T-5	147	L1	\$896	95		JMWDM3546T	82	L1	\$616	42	JMWDM3554T
JMM3313T	85	L1	\$886	110	JMM3714T	JMWDM3550T	82	L1	\$645	37	JMWDM3555T
JMM3313T-5	147	L1	\$886	110		JMWDM3554T	82	L1	\$645	52	JMWDM3558T
JMM3314T	85	L1	\$1,205	117	JMM3713T	JMWDM3555T	82	L1	\$717	44	JMWDM3559T
JMM3314T-5	147	L1	\$1,205	116		JMWDM3558T	82	L1	\$674	47	
JMM3546T	82	L1	\$424	37	JMWDM3546T	JMWDM3559T	82	L1	\$807	49	
JMM3546T-5	147	L1	\$424	35		JMWDM3611T	82	L1	\$807	57	JMWDM3615T
JMM3550T	82	L1	\$445	38		JMWDM3613T	82	L1	\$1,035	80	JMWDM3616T
JMM3550T-5	147	L1	\$445	39		JMWDM3615T	82	L1	\$903	85	
JMM3554T	82	L1	\$445	41	JMM3558T	JMWDM3616T	82	L1	\$1,172	97	
JMM3554T-5	147	L1	\$445	40		JMWDM3710T	82	L1	\$1,155	126	JMWDM3714T
JMM3555T	82	L1	\$496	45	JMM3559T	JMWDM3711T	82	L1	\$1,576	132	JMWDM3713T
JMM3555T-5	147	L1	\$496	44		JMWDM3713T	82	L1	\$1,878	154	
JMM3558T	82	L1	\$465	47	JMWDM3558T	JMWDM3714T	82	L1	\$1,459	141	
JMM3558T-5	147	L1	\$465	47		JPL1406T	81	L1	\$689	75	
JMM3559T	83	L1	\$557	50		JPL1408T	81	L1	\$790	85	
JMM3559T-5	147	L1	\$557	50		JPL1409T	81	L1	\$973	88	
JMM3610T	83	L1	\$578	53		JPL1508T	81	L1	\$1,121	124	
JMM3610T-5	147	L1	\$578	60		JPL1509T	81	L1	\$1,397	118	
JMM3611T	83	L1	\$557	58	JMWDM3611T	JPL1510T	81	L1	\$1,477	143	
JMM3611T-5	147	L1	\$557	66		JPL1511T	81	L1	\$1,718	145	
JMM3613T	83	L1	\$713	76	JMM3616T	JPL1512T	81	L1	\$1,828	157	
JMM3613T-5	147	L1	\$713	75		JPM2333T	83	L1	\$1,838	236	
JMM3615T	83	L1	\$622	78	JMWDM3615T	JPM2334T	83	L1	\$1,946	283	JPM2515T
JMM3615T-5	147	L1	\$622	79		JPM2394T	83	L1	\$1,885	223	JPM2514T
JMM3616T	83	L1	\$807	91	JMWDM3616T	JPM2513T	85	L1	\$1,324	156	JPM2333T
JMM3616T-5	147	L1	\$807	93		JPM2514T	85	L1	\$1,591	209	
JMM3709T	83	L1	\$909	109		JPM2515T	85	L1	\$1,571	217	
JMM3710T	83	L1	\$797	124	JMWDM3710T	JPM2516T	85	L1	\$1,971	177	
JMM3710T-5	147	L1	\$797	125		JPM2531T	85	L1	\$1,990	303	JPM4103T
JMM3711T	83	L1	\$1,087	131	JMM3713T	JPM2534T	85	L1	\$2,022	307	
JMM3711T-5	147	L1	\$1,087	130		JPM2535T	85	L1	\$2,282	322	

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JPM2538T	85	L1	\$2,971	342		KL3401	40	K	\$343	23	
JPM2539T	85	L1	\$2,960	367		KL3403	40	K	\$253	20	VL3501
JPM2542T	85	L1	\$3,233	367		KL3405	40	K	\$232	21	VL3503
JPM2543T	85	L1	\$3,368	408		KM3003	44	K	\$216	19	VM3104
JPM2547T	86	L1	\$3,826	505		KM3006	44	K	\$220	20	VM3107
JPM2551T	86	L1	\$5,024	528		KM3454	42	K	\$229	19	VM3534
JPM2555T	86	D3	\$5,694	1012		KM3454-50	158	K	\$250	18	VM3534-50
JPM2559T	86	D3	\$6,710	752		KM3457	42	K	\$233	20	VM3537
JPM3116T	84	L1	\$391	36		KNM3454	42	K	\$241	19	KNM3534
JPM3154T	84	L1	\$387	42	JPM3554T	KNM3534	42	K	\$267	22	
JPM3157T	84	L1	\$442	42	JPM3558T	L1177T	11	L1	\$4,099	322	
JPM3158T	84	L1	\$479	48	JPM3559T	L1200	12	K	\$194	18	L1203
JPM3211T	84	L1	\$475	62	JPM3611T	L1201	12	K	\$297	23	L3401
JPM3212T	85	L1	\$539	63		L1203	12	K	\$197	19	L1203M
JPM3218T	85	L1	\$514	69	JPM3615T	L1203M	12	K	\$227	20	L3403M
JPM3219T	85	L1	\$659	74	JPM3616T	L1204	12	K	\$318	25	L3404
JPM3311T	85	L1	\$746	108	JPM3710T	L1205	12	K	\$186	20	L3405
JPM3312T	85	L1	\$896	100		L1205-50	156	K	\$214	22	L1208-50
JPM3313T	85	L1	\$886	116	JPM3714T	L1206	12	K	\$227	21	L1206M
JPM3314T	85	L1	\$1,205	120	JPM3713T	L1206-50	156	K	\$261	24	L1209-50
JPM3554T	82	L1	\$445	42	JPM3558T	L1206M	12	K	\$255	22	L3406M
JPM3555T	82	L1	\$507	45	JPM3559T	L1207	12	K	\$339	28	L3407
JPM3558T	82	L1	\$465	47	JPWDM3558T	L1208	12	K	\$206	22	L3408
JPM3559T	83	L1	\$557	51		L1208-50	156	K	\$236	26	
JPM3610T	83	L1	\$578	56		L1209	12	K	\$285	24	L1209M
JPM3611T	83	L1	\$556	60	JPWDM3611T	L1209-50	156	K	\$329	28	L3409-50
JPM3613T	83	L1	\$713	77	JPM3616T	L1209M	12	K	\$317	24	L3409M
JPM3615T	83	L1	\$622	82	JPWDM3615T	L1300	12	K	\$330	26	L3500
JPM3616T	83	L1	\$807	94	JPWDM3616T	L1301	12	K	\$229	22	L3501
JPM3709T	83	L1	\$909	110		L1301M	12	K	\$268	22	L3501M
JPM3710T	83	L1	\$815	127	JPWDM3710T	L1302	12	K	\$339	29	L3502
JPM3711T	83	L1	\$1,087	133	JPM3713T	L1303	12	K	\$206	21	L3503
JPM3713T	83	L1	\$1,295	154		L1304	12	K	\$253	24	L1304A
JPM3714T	83	L1	\$1,006	145		L1304-50	156	K	\$298	29	L3504-50
JPM4103T	83	L1	\$2,275	380		L1304A	12	K	\$301	25	L3504M
JPM4104T	84	L1	\$2,802	403		L1304M	12	K	\$317	25	L3504A
JPM4106T	83	L1	\$2,075	182		L1305	12	K	\$510	38	L3505
JPM4107T	83	L1	\$2,331	373		L1306	12	K	\$251	26	L1306A
JPM4108T	84	L1	\$3,050	303		L1306-50	156	K	\$288	30	L3506-50
JPM4109T	84	L1	\$3,662	535		L1306A	12	K	\$265	31	L1309A
JPM4110T	84	L1	\$3,530	564		L1307	12	K	\$313	32	L1307A
JPM4114T	84	L1	\$3,995	550		L1307-50	156	K	\$369	38	L3507-50
JPM4115T	84	L1	\$4,138	563		L1307A	12	K	\$368	32	L1307M
JSL225A	91	C1	\$192	21		L1307M	12	K	\$377	32	L1307A
JSL325A	80, 91	C1	\$209	21	JSL1303A	L1308	12	K	\$574	42	
JSL425A	80, 91	C1	\$237	26	JSL1306A	L1309	12	K	\$264	31	L1309A
JSL525A	80, 91	C1	\$253	33	JSL1309A	L1309-50	156	K	\$303	35	L3509-50
JSL625A	80, 91	C1	\$313	44	JSL1313A	L1309A	12	K	\$281	30	L1313A
JSL725A	80, 91	C1	\$375	44	JSL1317A	L1310	12	K	\$342	34	L3510
JSM3107	80	K	\$235	21	JSM325	L1310M	12	K	\$438	33	L3510M
JSM3111	80	K	\$278	10	JSM425	L1313	13	K	\$371	32	L1313A
JSM3115	80	K	\$308	26	JSM525	L1313-50	156	K	\$426	43	L3513-50
JSM3120	80	K	\$368	30	JSM625	L1313A	13	K	\$388	40	L1317A
JSM3155	80	K	\$436	34	JSM725	L1313T	13	L1	\$371	36	L3513T
KBL3406	133	K	\$636	28	KBL3409	L1317	13	K	\$493	43	L1317A
KBL3409	133	K	\$698	33	VBL3507	L1317-50	156	K	\$568	47	L3515-50
KBM3454	133	K	\$575	26	KBM3458	L1317A	13	K	\$507	44	L3515M
KBM3458	133	K	\$611	28	VBM3538	L1318	12	K	\$374	42	L1318M
KL1200	41	K	\$208	18	KL1203	L1318-50	156	K	\$449	42	L3510-50
KL1203	41	K	\$211	20	KL3403	L1318M	12	K	\$408	42	L3510M
KL1205	41	K	\$200	21	KL1205A	L1318T	12	L1	\$390	42	L1318TM
KL1205A	41	K	\$206	21	VL1303A	L1318TM	12	L1	\$408	42	L3510TM
KL3400	40	K	\$246	18	KL3403	L1319	13	K	\$442	41	L1319M

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L1319M	13	K	\$493	42	L3514M	L3504	10	K	\$288	27	L3504A
L1319T	13	L1	\$418	42	L1321T	L3504-50	156	K	\$331	33	L3507-50
L1320T	13	L1	\$529	44	L3515T	L3504A	10	K	\$344	27	L3504M
L1321T	13	L1	\$501	48	L1321TM	L3504M	10	K	\$339	27	FDL3504M
L1321TM	13	L1	\$543	48	L3514TM	L3505	10	K	\$547	42	L3508
L1322T	13	L1	\$511	48	L1322TM	L3506	10	K	\$277	29	
L1322TM	13	L1	\$556	45		L3506-50	156	K	\$318	35	L3509-50
L1401	13	L1	\$547	50	L1401M	L3507	10	K	\$332	34	L3507A
L1401M	13	L1	\$593	52	L1401	L3507-50	156	K	\$393	38	L3510-50
L1403	13	L1	\$610	56	L1403M	L3507A	10	K	\$417	34	
L1403M	13	L1	\$647	56	L3605M	L3507M	10	K	\$399	34	
L1405	13	L1	\$641	64	L3605	L3508	10	K	\$632	44	
L1405T	13	L1	\$524	65	L3605T	L3508T	10	L1	\$622	44	
L1405T-50	156	L1	\$602	65	L3605T-50	L3509	11	K	\$321	37	L3509M
L1406T	13	L1	\$601	65	L3606T	L3509-50	156	K	\$370	40	L3513-50
L1407	13	L1	\$960	63	L3607	L3509M	11	K	\$363	40	L3513M
L1408T	13	L1	\$567	77	L1408TM	L3510	11	K	\$377	41	L3510A
L1408T-50	156	L1	\$651	92	L3609T-50	L3510-50	156	K	\$453	46	L3514-50
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L1409T	13	L1	\$715	79	L3608T	L3510M	11	K	\$452	40	L3510A
L1410T	13	L1	\$679	86	L1410TM	L3510T	11	L1	\$384	40	L3510TM
L1410TM	13, 122	L1	\$813	87	L3612TM	L3510TM	11	L1	\$452	40	FDL3510TM
L1413	125	L1	\$869	55		L3513	11	K	\$430	41	L3513A
L1414	125	L1	\$1,016	59		L3513-50	156	K	\$487	49	L3515-50
L1430T	13	L1	\$616	79		L3513M	11	K	\$494	45	L3513A
L1430TM	13	L1	\$813	84		L3513T	11	L1	\$423	41	
L1502	13	L1	\$1,101	85		L3514	11	K	\$436	48	L3514A
L1503	13	L1	\$1,500	104	L3703	L3514-50	156	K	\$512	50	
L1505	13	L1	\$1,220	105	L3705	L3514A	11	K	\$555	48	L3514M
L1506	13	L1	\$1,753	111	L3706	L3514M	11	K	\$511	50	FDL3514M
L1508T	13	L1	\$886	113	L3708T	L3514T	11	L1	\$442	48	L3514TM
L1508T-50	156	L1	\$1,020	113	L3708T-50	L3514T-50	156	L1	\$512	50	
L1509T	13	L1	\$1,106	101	L3709T	L3514TM	11	L1	\$511	48	FDL3514TM
L1510T	13	L1	\$962	134	L3710T	L3515	11	K	\$550	54	L3515M
L1511T	13	L1	\$1,396	130	L3711T	L3515-50	156	K	\$634	52	
L1512T	13	L1	\$1,406	143	L3712T	L3515M	11	K	\$577	51	L1317A
L3	312	A8	\$15	1		L3515T	11	L1	\$555	51	CL3515T
L3351	10	K	\$206	15	L3353	L3516TM	11, 122	K	\$727	51	FDL3516TM
L3352	10	K	\$210	15	L3354	L3565M	125	K	\$566	41	L3566M
L3353	10	K	\$213	16	L3355	L3566M	125	K	\$615	40	L3567M
L3354	10	K	\$220	16	L3356	L3567M	125	K	\$746	53	
L3355	10	K	\$233	18		L3576M	125	K	\$476	36	L3565M
L3356	10	K	\$236	18		L3601	11	L1	\$682	54	
L3400	10	K	\$232	18	L3403	L3603	11	L1	\$743	66	L3605
L3401	10	K	\$329	23	L3404	L3605	11	L1	\$832	66	L3605M
L3403	10	K	\$239	20	L3403M	L3605M	11	L1	\$891	68	FDL3611M
L3403M	10	K	\$274	20	L3406M	L3605T	11	L1	\$631	67	L3605TM
L3404	10	K	\$350	26	L3407	L3605T-50	156	L1	\$725	78	
L3405	10	K	\$218	20	L3408	L3605TM	11	L1	\$770	74	FDL3611TM
L3406	10	K	\$253	23	L3406M	L3606	11	L1	\$1,174	74	
L3406M	10	K	\$288	22	L3409M	L3606T	11	L1	\$651	73	
L3407	10	K	\$385	27		L3607	11	L1	\$1,089	74	
L3408	10	K	\$247	21		L3608T	11	L1	\$897	89	L3608TM
L3409	10	K	\$282	26	L3409M	L3608TM	11, 122	L1	\$925	89	CL3608TM
L3409-50	156	K	\$331	32		L3609T	11	L1	\$743	79	
L3409M	10	K	\$339	27		L3609T-50	156	L1	\$853	95	
L3500	10	K	\$368	30	L3502	L3609TM	11, 122	L1	\$803	79	FDL3619TM
L3501	10	K	\$246	22	L3501M	L3612TM	11, 122	L1	\$934	99	
L3501-50	156	K	\$290	25	L3504-50	L3613T	11	L1	\$1,157	78	
L3501M	10	K	\$288	22	FDL3501M	L3703	11	L1	\$1,800	114	L3706
L3502	10	K	\$385	29		L3705	11	L1	\$1,419	116	L3708
L3503	10	K	\$247	22	L3506	L3706	11	L1	\$2,161	132	

NOTE: Baldor has suggested alternate products, however there may be slight differences in performance, efficiency, voltage range, dimensions and mounting. Customers should verify suitability of selected products for their specific application. Shipping weight is approximate.

Catalog Number	Page Number	Mult. Sym.	List Price	Shpg. Wgt.*	Alternate Catalog Number	Catalog Number	Page Number	Mult. Sym.	List Price	Shpg. Wgt.*	Alternate Catalog Number
L3708	11	L1	\$1,451	135	FDL3731M	LRAC110BCB	219, 220	E8	\$895	28	
L3708T	11	L1	\$886	117	L3708TM	LRAC130ACB2	219, 220	E8	\$1,265	54	
L3708T-50	156	L1	\$1,020	137		LRAC130BCB	219, 220	E8	\$1,201	30	
L3708TM	11	L1	\$1,042	135		LRAC160ACB2	219, 220	E8	\$1,473	54	
L3709T	11	L1	\$1,155	124		LRAC160BCB	219, 220	E8	\$1,396	47	
L3710T	11	L1	\$1,171	138	L3712T	LRAC200ACB	219, 220	E8	\$1,725	68	
L3711T	11	L1	\$1,418	148		LRAC250ACB2	219, 220	E8	\$2,250	91	
L3712T	11	L1	\$1,438	161		LRAC360ACB2	219, 220	E8	\$2,413	128	
L4	312	A8	\$17	1		LRAC420ACB2	219, 220	E8	\$2,571	188	
L4003A	71	K	\$385	27		LRAC480ACB2	219, 220	E8	\$3,916	201	
L4005A	71	K	\$341	28		LRAC600ACB	219	E8	\$4,732	245	
L4006A	71	K	\$496	29		LRENC-13	220	E8	\$303	34	
L4009A	71	K	\$547	36		LRENC-15	220	E8	\$455	35	
L5000A	71	K	\$368	28		LRENC-20S	220	E8	\$610	50	
L5001A	71	K	\$473	29		LRENC-8	220	E8	\$154	12	
L5002A	71	K	\$670	41		M1004T	121	L1	\$530	33	
L5003A	71	K	\$448	30		M1005T	121	L1	\$550	38	
L5004A	71	K	\$521	35		M1006T	121	L1	\$637	40	
L5005A	71	K	\$772	50		M1007T	121	L1	\$684	56	
L5006A	71	K	\$506	41		M1008T	121	L1	\$823	72	
L5007A	71	K	\$613	48		M1009T	121	L1	\$1,176	111	
L5009A	71	K	\$547	48		M1010T	121	L1	\$1,333	131	
L5013	71	L1	\$1,395	75		M1019	121	K	\$569	37	
L5018	71	L1	\$2,233	152		M1020T	121	L1	\$613	39	
L5020	71	L1	\$2,841	166		M1021T	121	L1	\$743	56	
L5022	71	K	\$893	57		M1022T	121	L1	\$848	65	
L5023A	71	K	\$698	48		M1023T	121	L1	\$988	72	
L5023T	71	L1	\$684	48		M1024T	121	L1	\$1,521	113	
L5026	71	L1	\$1,502	82		M1025T	121	L1	\$2,022	211	
L5027T	71	L1	\$1,440	84		M1204T	121	L1	\$530	33	
L5028T	71	L1	\$1,497	84		M1205T	121	L1	\$550	38	
L5030T	71	L1	\$792	53		M1206T	121	L1	\$637	41	
L5031T	71	L1	\$980	60		M1207T	121	L1	\$684	57	
L7	312	A8	\$32	1		M1208T	121	L1	\$823	72	
LB73	299	A8	\$29	2		M1209T	121	L1	\$1,176	112	
LB73GR	299	A8	\$29	10		M1210T	121	L1	\$1,333	130	
LB74	299	A8	\$41	2		M1211T	121	L1	\$1,874	234	
LB75	299	A8	\$58	1		M1212T	121	L1	\$2,297	232	
LPL50	312	A8	\$335	43	LPL75	M1213T	121	L1	\$2,695	312	
LPL75	312	A8	\$409	48		M1218	121	K	\$542	33	
LRAC00201	219, 220	E8	\$226	4		M1219	121	K	\$569	34	
LRAC00202	219, 220	E8	\$228	4		M1220T	121	L1	\$613	39	
LRAC00401	219, 220	E8	\$244	4		M1221T	121	L1	\$743	56	
LRAC00402	219, 220	E8	\$259	4		M1222T	121	L1	\$848	64	
LRAC00403	219, 220	E8	\$355	4		M1223T	121	L1	\$988	72	
LRAC00801	219, 220	E8	\$244	4		M1224T	121	L1	\$1,521	113	
LRAC00802	219, 220	E8	\$303	7		M1225T	121	L1	\$2,022	209	
LRAC00803	219, 220	E8	\$400	10		M1226T	121	L1	\$2,285	237	
LRAC01201	219, 220	E8	\$395	10		M1227T	121	L1	\$2,772	318	
LRAC01202	219, 220	E8	\$418	11		M1228T	121	L1	\$3,719	348	
LRAC01801	219, 220	E8	\$414	4		M1229T	121	L1	\$3,993	349	
LRAC01802	219, 220	E8	\$437	11		M1504T	119	L1	\$790	39	
LRAC02501	219, 220	E8	\$498	11		M1505T	119	L1	\$834	46	
LRAC02502	219, 220	E8	\$524	13		M1506T	119	L1	\$1,013	65	
LRAC03501	219, 220	E8	\$528	11		M1507T	119	L1	\$1,148	85	
LRAC03502	219, 220	E8	\$556	15		M1508T	119	L1	\$1,500	113	
LRAC04501	219, 220	E8	\$557	23		M1509T	119	L1	\$1,953	132	
LRAC04502	219, 220	E8	\$589	27		M1510T	119	L1	\$3,009	271	
LRAC05501	219, 220	E8	\$591	26		M1519	120	K	\$615	37	
LRAC05502	219, 220	E8	\$621	28		M1520T	120	L1	\$642	42	
LRAC08002	219, 220	E8	\$728	33		M1521T	120	L1	\$794	59	
LRAC080BTB	219, 220	E8	\$690	41		M1522T	120	L1	\$910	67	
LRAC110ACB2	219	E8	\$946	54		M1523T	120	L1	\$1,066	74	

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M1524T	120	L1	\$1,670	117		M2401T	16	L1	\$2,433	256	
M1554T	119	L1	\$556	34		M2402T	17	L1	\$2,826	343	
M1555T	119	L1	\$579	41		M2504T	22	L1	\$1,749	129	M2280T
M1556T	119	L1	\$672	42		M2505	22	L1	\$1,325	110	M2237
M1557T	119	L1	\$723	65		M2506T	22	L1	\$928	162	EM2506T
M1558T	119	L1	\$920	83		M2508T	22	L1	\$2,189	207	M2401T
M1559T	119	L1	\$1,309	125		M2510	22	L1	\$1,600	177	M2238
M1704T	119	L1	\$790	39		M2511T	22	L1	\$1,200	228	EM2511T
M1705T	119	L1	\$834	48		M2513T	22	LS	\$1,096	184	EM2513T
M1706T	119	L1	\$1,013	65		M2513T-5	142	LS	\$1,096	171	EM2513T-5
M1707T	119	L1	\$1,148	84		M2513T-50	157	L1	\$1,255	192	
M1708T	119	L1	\$1,500	115		M2513T-8	138	L1	\$1,091	160	EM2513T-8
M1709T	119	L1	\$1,953	131		M2514T	22	L1	\$1,393	167	EM2514T
M1710T	119	L1	\$3,009	275		M2514T-8	138	L1	\$1,393	191	
M1711T	119	L1	\$3,485	265		M2515T	22	L1	\$1,405	204	EM2515T
M1712T	119	L1	\$4,428	381		M2515T-12	22	L1	\$1,405	272	
M1713T	119	L1	\$5,377	396		M2515T-5	142	L1	\$1,413	221	EM2515T-5
M1718	120	K	\$572	33		M2515T-50	157	L1	\$1,616	213	
M1719	120	K	\$634	38		M2515T-8	138	L1	\$1,405	191	EM2515T-8
M1720T	120	L1	\$642	42		M2516T	22	L1	\$1,685	202	EM2516T
M1721T	120	L1	\$794	58		M2516T-8	138	L1	\$1,685	201	
M1722T	120	L1	\$910	66		M2523	22	L1	\$2,093	272	M2333
M1723T	120	L1	\$1,066	73		M2524T	22	L1	\$1,570	289	EM2524T
M1724T	120	L1	\$1,670	116		M2527	22	L1	\$2,401	295	M2334
M1725T	120	L1	\$2,160	219		M2528T	22	L1	\$1,926	377	EM2528T
M1726T	120	L1	\$2,486	233		M25302S-2341	24	D3	\$24,348	1800	
M1727T	120	L1	\$2,950	349		M25304L-2341	24	D3	\$25,915	4500	
M1728T	120	L1	\$4,001	380		M2531	23	L1	\$3,289	387	M4103
M1729T	120	L1	\$4,216	510		M2531T	22	L1	\$1,703	245	EM2531T
M1754T	119	L1	\$556	32		M2531T-12	23	L1	\$1,703	245	
M1755T	119	L1	\$579	42		M2531T-5	142	L1	\$1,714	278	EM2531T-5
M1756T	119	L1	\$672	49		M2531T-8	138	L1	\$1,703	297	EM2531T-8
M1757T	119	L1	\$723	66		M2532T	23	L1	\$2,707	374	EM2532T
M1758T	119	L1	\$920	84		M2534T	23	L1	\$1,784	261	EM2534T
M1759T	119	L1	\$1,296	125		M2534T-8	138	L1	\$1,784	251	
M1760T	119	L1	\$1,527	160		M2535	23	L1	\$3,610	412	M4104
M1761T	119	L1	\$2,111	248		M25352T-4	24	D3	\$18,215	1428	
M1762T	119	L1	\$2,497	337		M2535T	23	L1	\$1,991	287	EM2535T
M1763T	119	L1	\$2,897	356		M2535T-12	23	L1	\$1,991	283	
M2237	16	L1	\$1,419	190		M2535T-5	142	L1	\$2,004	280	EM2535T-5
M2238	17	L1	\$1,779	211		M2535T-8	138	L1	\$1,991	281	EM2535T-8
M2275	16	L1	\$1,667	203		M2536T	23	L1	\$2,852	367	EM2536T
M2276	16	L1	\$2,003	231		M2538T	23	L1	\$2,512	320	EM2538T
M2276T	16	L1	\$1,286	247	EM2276T	M2538T-8	139	L1	\$2,512	290	
M2280T	16	L1	\$2,207	221		M2539T	23	L1	\$2,539	354	EM2539T
M2332	17	L1	\$2,560	320		M2539T-12	23	L1	\$2,539	392	
M2332T	17	L1	\$1,431	269	EM2332T	M2539T-5	142	L1	\$2,554	387	EM2539T-5
M2333	17	L1	\$2,450	332		M2539T-8	139	L1	\$2,539	341	EM2539T-8
M2333T	17	LS	\$1,338	244		M25402T-4	24	D3	\$21,371	1776	
M2333T-5	141	LS	\$1,338	242		M25404L-2341	24	D3	\$33,370	4780	
M2333T-50	157	L1	\$1,531	236		M25404T-4	24	D3	\$19,533	2072	
M2333T-8	137	L1	\$1,331	222	EM2333T-8	M2540T	23	L1	\$4,186	567	EM2540T
M2333T-9	60	L1	\$1,473	239		M2542T	23	L1	\$2,603	386	EM2542T
M2334	17	L1	\$2,932	377		M2542T-8	139	L1	\$2,603	391	
M2334T	17	LS	\$1,616	260	EM2334T	M2543T	23	L1	\$2,980	413	EM2543T
M2334T-12	17	L1	\$1,616	280		M2543T-12	23	L1	\$2,980	390	
M2334T-5	141	LS	\$1,616	265		M2543T-5	142	L1	\$2,999	383	EM2543T-5
M2334T-50	157	L1	\$1,848	277		M2543T-8	139	L1	\$2,980	427	EM2543T-8
M2334T-8	137	L1	\$1,607	261	EM2334T-8	M2543TS-12	23	L1	\$2,980	382	
M2393	17	L1	\$1,592	198		M2544T	23	L1	\$5,039	610	EM2544T
M2394	17	L1	\$1,652	220		M25452T-4	24	D3	\$23,533	1817	
M2394T	17	L1	\$1,501	237	EM2394T	M25454T-4	24	D3	\$22,091	2212	
M2395T	17	L1	\$3,930	382		M2546T	23	L1	\$3,636	389	EM2546T

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M2547T	23	L1	\$3,677	487	EM2547T	M3111	21	K	\$256	21	M3541
M2547T-12	23	L1	\$3,677	523		M3112	21	LS	\$266	27	M3542
M2547T-5	142	L1	\$3,698	467	EM2547T-5	M3112-5	142	LS	\$266	25	M3542-5
M2547TS-12	23	L1	\$3,677	479		M3112-50	157	K	\$304	26	M3542-50
M2548T	23	D3	\$5,877	830	EM2548T	M3112A	21	K	\$353	26	M3116A
M2549T	23	L1	\$4,339	472	EM2549T	M3115	21	K	\$296	23	M3545
M2550S-4	24	D3	\$32,892	4700		M3116	21	LS	\$300	29	M3546
M25504L-2341	24	D3	\$43,662	4700		M3116-5	142	LS	\$300	28	M3546-5
M25504L-4	24	D3	\$36,953	5052		M3116-50	157	K	\$343	30	
M2550T	23	L1	\$4,906	561	EM2550T	M3116A	21	K	\$392	27	M3154A
M2551T	23	L1	\$4,513	593	EM2551T	M3116T	21	LS	\$302	32	EM3116T
M2551T-12	23	L1	\$4,513	544		M3116T-5	142	LS	\$302	33	M3546T-5
M2551T-5	142	L1	\$4,541	593	M4316T-5	M3116T-50	157	L1	\$346	34	M3546T-50
M2551TS-12	23	L1	\$4,513	557		M3116T-8	138	L1	\$301	30	
M2552T	23	D3	\$6,939	801	M4404T	M3120	21	K	\$331	29	M3550
M2554T-4	24	D3	\$5,599	782	EM2554T-4	M3120T	21	L1	\$355	32	M3550T
M2555T	23	D3	\$4,927	797		M3153	21	K	\$408	32	
M2555T-12	23	D3	\$4,927	820		M3153T	21	L1	\$408	33	M3543T
M2555T-5	142	L1	\$4,956	687		M3154	21	LS	\$347	33	M3554
M2555TS-12	23	D3	\$4,927	578		M3154A	21	K	\$391	33	
M2556T-4	24	D3	\$7,557	738	M2569T-4	M3154T	21	LS	\$354	40	EM3154T
M2557T-4	24	D3	\$8,028	1298	M2560T-4	M3154T-5	142	LS	\$354	37	M3554T-5
M2558T-4	24	D3	\$7,331	1409	M4406T-4	M3154T-50	157	L1	\$368	34	M3554T-50
M2558T-5	142	D3	\$7,331	1470		M3154T-8	138	L1	\$354	33	EM3154T-8
M2558TS-4	24	D3	\$7,331	1359		M3155	21	K	\$387	32	CM3155
M2559T-4	24	D3	\$5,664	937	EM2559T-4	M3155T	21	L1	\$393	38	M3555T
M2559T-5	142	D3	\$5,664	597		M3156	21	K	\$434	37	M3159
M2559TS-4	24	D3	\$5,664	725		M3156T	21	L1	\$424	39	EM3156T
M25602S-2341	24	D3	\$49,149	4700		M3157	21	LS	\$361	37	M3558
M25602S-4	24	D3	\$41,280	4700		M3157T	21	LS	\$361	42	EM3157T
M25604L-2341	24	D3	\$45,939	5000		M3157T-5	142	LS	\$361	42	M3558T-5
M25604L-4	24	D3	\$38,830	4700		M3157T-50	157	L1	\$378	41	M3558T-50
M2560T-4	24	D3	\$8,677	1419	M2564T-4	M3157T-8	138	L1	\$361	38	EM3157T-8
M2562T-4	24	D3	\$8,336	1273	EM2562T-4	M3157TA	21	K	\$449	36	
M2563T-4	24	D3	\$8,553	1483	M2566T-4	M3158	21	K	\$399	38	M3559
M2564T-4	24	D3	\$11,046	1539		M3158T	21	L1	\$418	45	M3559T
M2565T-4	24	D3	\$10,182	1261		M3158T-8	138	L1	\$418	41	
M2566T-4	24	D3	\$10,137	1401	M2569T-4	M3159	21	K	\$494	41	
M2568T-4	24	D3	\$15,916	1341		M3160	21	K	\$575	37	M3560
M2569T-4	24	D3	\$13,285	1528		M3161T	21	L1	\$430	58	
M2571T-4	24	D3	\$18,215	1395		M3161TA	21	K	\$498	57	
M2572T-4	24	D3	\$17,997	1708		M3203	21	L1	\$510	35	M3603
M2583T	23	D3	\$7,502	1267		M3206	21	L1	\$532	38	M3606
M3003	20	K	\$202	18	M3454	M3207T	21	L1	\$498	63	EM3207T
M3004	20	K	\$329	19	M3455	M3208	21	L1	\$653	39	M3210
M3006	20	K	\$206	19	M3457	M3209	21	L1	\$572	41	M3609
M3007	20	K	\$218	20	M3458	M3210	21	L1	\$694	43	M3610
M3008	20	K	\$321	21	M3011	M3211	22	L1	\$574	52	M3611
M3009	20	K	\$218	19	M3460	M3211T	21	LS	\$377	61	CM3211T
M3010	20	K	\$273	22	M3461	M3211T/36	22	L1	\$431	65	M3611T/36
M3011	20	K	\$355	23		M3211T-5	142	LS	\$377	62	
M3012	21	K	\$261	21	M3463	M3211T-50	157	L1	\$432	67	M3611T-50
M3013	21	K	\$304	25	M3464	M3211T-8	138	L1	\$375	54	M3611T-8
M3101	20	K	\$329	20	M3531	M3211TA	22	L1	\$526	62	
M3104	20	LS	\$209	20	M3534	M3212T	22	L1	\$432	56	EM3212T
M3104-5	142	LS	\$209	20	M3534-5	M3212T-8	138	L1	\$432	57	
M3105	20	K	\$343	22	M3535	M3215T	21	L1	\$488	67	EM3215T
M3107	20	K	\$218	19	CM3107	M3216T	21	L1	\$723	56	M3617T
M3108	20	LS	\$239	22	M3538	M3218T	22	LS	\$417	70	EM3218T
M3108-5	142	LS	\$238	22	M3538-5	M3218T-5	142	LS	\$417	69	M3615T-5
M3108-50	157	K	\$273	25	M3538-50	M3218T-50	157	L1	\$478	82	M3615T-50
M3108A	20	K	\$323	23	M3112A	M3218T-8	138	L1	\$415	69	M3615T-8
M3109	21	K	\$378	25	M3539	M3218TA	22	L1	\$556	70	

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M3219T	22	L1	\$593	72	EM3219T	M3545-50	157	K	\$378	27	
M3219T-8	138	L1	\$593	69		M3546	14	LS	\$303	31	EM3546
M3220T	21	L1	\$879	64	M3618T	M3546-5	140	LS	\$303	31	
M3233	125	L1	\$752	50		M3546T	14	LS	\$336	36	M3581T
M3234	125	L1	\$797	53		M3546T-5	140	LS	\$336	35	
M3303T	21	L1	\$1,085	94	M3702T	M3546T-50	157	L1	\$387	35	
M3304	22	L1	\$699	67	M3703	M3546T-8	137	L1	\$334	31	
M3305T	22	L1	\$573	106	EM3305T	M3550	15	K	\$359	30	EM3550
M3306T	22	L1	\$1,250	111	M3705T	M3550T	15	L1	\$380	37	EM3550T
M3307	22	L1	\$779	67	M3706	M3550T-5	140	L1	\$380	37	M3550T-5#
M3308	22	L1	\$734	72	M3707	M3550T-50	157	L1	\$439	36	
M3309T	22	L1	\$752	117		M3554	15	LS	\$342	34	EM3554
M3310	22	L1	\$987	75	M3709	M3554T	15	LS	\$344	41	EM3554T
M3311T	22	LS	\$592	103	EM3311T	M3554T-5	140	LS	\$342	39	M3558T-5
M3311T-5	142	LS	\$592	112	EM3311T-5	M3554T-50	157	L1	\$393	39	M3558T-50
M3311T-50	157	L1	\$678	113	M3710T-50	M3554T-8	137	L1	\$342	36	M3558T-8
M3311T-8	138	L1	\$589	97	EM3311T-8	M3555	15	K	\$403	42	M3559
M3312T	22	L1	\$745	109	EM3312T	M3555T	15	L1	\$438	43	EM3555T
M3312T-8	138	L1	\$745	88		M3555T-5	140	L1	\$438	43	M3559T-5
M3313T	22	LS	\$725	130	EM3313T	M3555T-50	157	L1	\$482	41	
M3313T-5	142	LS	\$725	129	EM3313T-5	M3556	15	K	\$424	38	M3557
M3313T-50	157	L1	\$829	125	M3714T-50	M3556T	15	L1	\$458	42	M3582T
M3313T-8	138	L1	\$722	104	EM3313T-8	M3556T-5	140	L1	\$458	42	M3557T-5
M3314T	22	L1	\$1,089	125	M3713T	M3557	15	K	\$486	41	
M3314T-8	138	L1	\$1,089	109		M3558	15	LS	\$369	41	
M3324	125	L1	\$1,073	80		M3558T	15	LS	\$362	45	EM3558T
M3325	125	L1	\$1,106	81		M3558T-5	140	LS	\$362	43	
M3326	125	L1	\$1,349	94		M3558T-50	157	L1	\$415	49	
M3353	14	K	\$261	16	M3355	M3558T-8	137	L1	\$359	43	
M3355	14	K	\$296	17		M3558T-9	60	L1	\$416	45	
M3452	14	K	\$305	17	M3455	M3559	15	K	\$469	44	
M3454	14	K	\$216	18	M3458	M3559T	15	L1	\$502	53	
M3455	14	K	\$340	19		M3559T-5	140	L1	\$502	51	
M3457	14	K	\$219	20	M3460	M3560	14	K	\$601	38	
M3458	14	K	\$264	20	M3461	M3564	125	K	\$459	30	M3565
M3460	14	K	\$254	19		M3565	125	K	\$482	31	M3566
M3461	14	K	\$309	22	M3464	M3566	125	K	\$506	33	M3567
M3463	14	K	\$280	21		M3567	125	K	\$531	37	
M3464	14	K	\$334	25		M3581T	14	L1	\$469	51	EM3581T
M3531	14	K	\$336	20	M3535	M3582T	15	L1	\$619	58	EM3582T
M3532	14	K	\$491	30	M3536	M3583T	15	L1	\$504	51	EM3583T
M3534	14	LS	\$238	21	M3538	M3584T	15	L1	\$479	56	EM3584T
M3534-5	140	LS	\$238	21	M3538-5	M3586T	15	L1	\$569	58	EM3586T
M3535	14	K	\$379	22	M3539	M3587T	15	L1	\$519	59	EM3587T
M3536	14	K	\$535	33	M3560	M3600	14	L1	\$776	41	M3602
M3537	14	K	\$254	20	CM3537	M3601	14	L1	\$614	41	M3604
M3537-5	140	K	\$254	20	M3541-5	M3602	14	L1	\$776	53	
M3538	14	LS	\$272	22	M3542	M3603	14	L1	\$557	35	M3606
M3538-5	140	LS	\$272	22	M3542-5	M3604	15	L1	\$710	41	M3607
M3538-50	157	K	\$310	25	M3542-50	M3605	15	L1	\$632	36	M3608
M3539	14	K	\$408	24	CM3539	M3606	15	L1	\$568	39	M3609
M3539-5	140	K	\$408	24		M3607	15	L1	\$670	46	
M3541	14	K	\$280	21	CM3541	M3607T	15	L1	\$529	70	M3667T
M3541-5	140	K	\$280	21		M3607T-5	140	L1	\$529	66	
M3541-50	157	K	\$310	22	M3545-50	M3608	15	L1	\$728	43	M3610
M3542	14	LS	\$290	26	M3546	M3609	15	L1	\$598	47	M3611
M3542-5	140	LS	\$290	26	M3546-5	M3610	16	L1	\$599	48	
M3542-50	157	K	\$332	32		M3610T	16	L1	\$534	57	M3660T
M3543	14	K	\$417	38	CM3543	M3610T-50	157	L1	\$615	57	
M3543T	14	L1	\$417	34	M3556T	M3611	16	L1	\$534	58	
M3543T-5	140	L1	\$417	34		M3611T	16	LS	\$426	68	EM3611T
M3545	14	K	\$329	22	EM3545	M3611T/36	16	L1	\$443	72	
M3545-5	140	K	\$329	23	M3541-5	M3611T-5	140	LS	\$426	68	EM3611T-5

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M3611T-50	157	L1	\$488	68		M3774T	17	L1	\$997	184	EM3774T
M3611T-8	137	L1	\$424	57	EM3661T-8	M3774T-5	141	L1	\$997	187	EM3774T-5
M3611T-9	60	L1	\$488	60		M4100T	17	L1	\$2,283	361	EM4100T
M3613T	16	L1	\$615	73	CM3613T	M4102T	17	L1	\$2,758	368	EM4102T
M3613T-5	140	L1	\$615	71	M3616T-5	M4103	17	L1	\$3,643	486	
M3613T-50	157	L1	\$708	77		M4103T	17	LS	\$1,999	342	EM4103T
M3614T	15	L1	\$569	74	M3664T	M4103T-12	17	L1	\$1,999	432	
M3614T-5	140	L1	\$569	74		M4103T-5	141	LS	\$1,999	472	
M3615T	16	LS	\$491	79	EM3615T	M4103T-50	157	L1	\$2,602	391	
M3615T-5	140	LS	\$491	78	M3665T-5	M4103T-8	137	L1	\$1,987	361	EM4103T-8
M3615T-50	157	L1	\$563	89		M4104	17	L1	\$4,322	509	
M3615T-8	137	L1	\$488	77		M4104T	17	LS	\$2,362	365	EM4104T
M3615T-9	60	L1	\$563	89	M3615T	M4104T-12	17	L1	\$2,362	422	
M3616T	16	L1	\$747	89	CM3616T	M4104T-5	141	LS	\$2,362	427	
M3616T-5	140	L1	\$747	89		M4104T-50	157	L1	\$3,076	415	
M3617T	15	L1	\$845	60		M4104T-8	137	L1	\$2,347	386	EM4104T-8
M3618T	15	L1	\$1,000	66		M4106	17	L1	\$2,386	370	
M3660T	16	L1	\$680	87	EM3660T	M4106T	17	L1	\$1,648	248	EM4106T
M3661T	16	LS	\$683	93	EM3661T	M4106T-5	141	L1	\$1,648	236	EM4106T-5
M3661T-5	140	L1	\$679	93	EM3661T-5	M4107	17	L1	\$3,721	482	
M3663T	16	L1	\$840	95	EM3663T	M4107T	17	L1	\$2,097	361	EM4107T
M3664T	15	L1	\$726	96	EM3664T	M4107T-5	141	L1	\$2,097	361	EM4107T-5
M3665T	16	L1	\$694	105	EM3665T	M4108T	17	L1	\$2,275	382	EM4108T
M3665T-5	140	L1	\$690	106	EM3665T-5	M4108T-5	141	L1	\$2,275	382	EM4108T-5
M3667T	15	L1	\$679	87	CP3667T-4	M4109T	18	L1	\$3,252	486	EM4109T
M3701	15	L1	\$1,145	84		M4109T-5	141	L1	\$3,252	486	EM4109T-5
M3702	15	L1	\$1,278	99	M3702	M4110T	18	LS	\$3,133	498	EM4110T
M3702T	15	L1	\$1,268	97		M4110T-12	18	L1	\$3,133	560	
M3703	16	L1	\$734	69		M4110T-5	141	LS	\$3,133	560	
M3704	16	L1	\$903	99		M4110T-50	157	L1	\$4,024	580	
M3704T	16	L1	\$716	110	EM3764T	M4110T-8	137	L1	\$3,114	517	EM4110T-8
M3704T-5	140	L1	\$716	111		M4111T	17	L1	\$3,328	451	EM4111T
M3705T	16	L1	\$1,386	115		M4112T	17	L1	\$4,468	499	
M3706	16	L1	\$1,021	77		M4114T	18	L1	\$3,306	575	EM4114T
M3707	16	L1	\$925	80		M4114T-5	141	L1	\$3,306	585	EM4114T-5
M3708T	16	L1	\$868	123	EM3708T	M4115T	18	LS	\$3,244	534	EM4115T
M3708T-5	140	L1	\$868	122		M4115T-12	18	L1	\$3,244	579	
M3709	16	L1	\$1,030	90		M4115T-5	141	LS	\$3,244	578	
M3709T	16	L1	\$906	94	M3769T	M4115T-50	157	L1	\$4,369	632	
M3709T-5	140	L1	\$906	92		M4115T-8	137	L1	\$3,224	554	
M3709T-50	157	L1	\$1,042	116		M4115TS	18	LS	\$3,293	579	
M3710T	16	LS	\$626	129	M3770T	M4116T	17	L1	\$5,520	528	
M3710T-5	140	LS	\$626	126	M3770T-5	M4117T	17	L1	\$4,037	579	EM4117T
M3710T-50	157	L1	\$716	117		M4118T	17	L1	\$1,868	277	
M3710T-8	137	L1	\$623	116	EM3710T-8	M4307	18	L1	\$4,546	662	
M3710T-9	60	L1	\$716	123		M4308T	18	L1	\$4,473	746	EM4308T
M3711T	17	L1	\$949	126	M3713T	M4310T	18	L1	\$5,044	736	EM4310T
M3711T-5	141	L1	\$949	126	M3713T-5	M4311	18	L1	\$5,282	696	
M3711T-50	157	L1	\$1,091	126		M4312T	18	L1	\$5,676	772	EM4312T
M3712	15	L1	\$858	72		M4313T	18	L1	\$6,126	775	EM4313T
M3713T	17	L1	\$1,204	168		M4314T	18	LS	\$4,970	774	EM4314T
M3713T-5	141	L1	\$1,204	158		M4314T-12	18	L1	\$4,970	808	
M3714T	17	LS	\$762	139	M3774T	M4314T-5	141	LS	\$4,970	734	
M3714T-5	141	LS	\$762	138	M3774T-5	M4314T-50	157	L1	\$5,681	799	
M3714T-50	157	L1	\$871	156		M4314TS	18	LS	\$4,970	734	
M3714T-8	137	L1	\$758	130	EM3774T-8	M4316T	18	LS	\$6,126	879	EM4316T
M3714T-9	60	L1	\$833	141	M3714T	M4316T-12	18	L1	\$6,126	847	
M3764T	16	L1	\$952	153	EM3764T	M4316T-5	141	LS	\$6,126	1082	
M3768T	16	L1	\$1,053	178	EM3768T	M4316TS	18	LS	\$6,126	808	
M3769T	16	L1	\$957	166	EM3769T	M4338T	17	D3	\$6,015	698	
M3770T	16	L1	\$926	173	EM3770T	M4348T	18	L1	\$7,615	758	
M3770T-5	140	L1	\$926	170	EM3770T-5	M4400T	18	LS	\$7,607	1187	CM4400T
M3771T	16	L1	\$1,150	171	EM3771T	M4400T-12	18	L1	\$7,607	1153	

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Geamotors and
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M4400T-5	141	LS	\$7,607	1110		M7026T	72	L1	\$797	70	
M4400TS	18	LS	\$7,607	1114	M4400T	M7027	72	L1	\$1,229	110	
M4402T-4	18	D3	\$7,667	1041		M7030	72	L1	\$1,591	127	
M4403T	18	D3	\$7,022	1051	EM4403T	M7031A	71	K	\$776	47	
M4404T	18	D3	\$7,921	1093	EM4404T	M7031TA	71	L1	\$776	47	
M4406T-4	19	LS	\$12,023	1740		M7032	72	K	\$776	47	
M4406T-5	141	LS	\$12,023	1421		M7032T	72	L1	\$760	52	
M4406TS-4	19	LS	\$12,023	1422		M7034	72	K	\$689	43	
M4407T-4	19	LS	\$14,777	1937		M7034T	72	LS	\$663	52	
M4407TS-4	19	LS	\$14,777	1662		M7034T-5	148	L1	\$663	50	
M4408T-4	19	LS	\$17,706	1877		M7036T	72	L1	\$1,175	147	
M4408TS-4	19	LS	\$17,706	2120		M7037	72	K	\$770	51	
M4409T	18	D3	\$9,900	1636		M7037T	72	LS	\$748	55	
M4410T-4	18	LS	\$10,263	1540		M7037T-5	148	L1	\$748	56	
M4410T-5	141	LS	\$10,263	1275		M7040T	72	L1	\$1,541	161	
M4410TS-4	18	LS	\$10,263	1275		M7041T	72	L1	\$1,078	93	
M4411T-4	18	D3	\$12,707	1664		M7042T	72	LS	\$818	81	
M4412T-4	18	D3	\$10,434	1264		M7042T-5	148	L1	\$818	81	
M4413T-4	19	D3	\$12,390	1501		M7042T-I	76	L1	\$818	105	
M44156T-4	19	D3	\$15,009	1672		M7042T-I-5	76	L1	\$818	103	
M4416T-4	19	D3	\$14,791	1850		M7044T	72	LS	\$1,014	99	
M44206T-4	19	D3	\$17,874	2284		M7044T-5	148	L1	\$1,014	101	
M44252T-4	19	D3	\$21,412	1817		M7044T-I	76	L1	\$1,014	118	
M44256T-4	19	D3	\$24,622	2300		M7044T-I-5	76	L1	\$1,014	117	
M44302T-4	19	D3	\$32,708	1421		M7045T	72	L1	\$1,293	166	
M44304T-4	19	LS	\$26,356	2574		M7047T	72	LS	\$1,250	168	
M44304TS-4	19	LS	\$26,356	2088		M7047T-5	148	L1	\$1,250	170	
M44306T-4	19	D3	\$31,429	2300		M7047T-I	76	L1	\$1,250	177	
M44352T-4	19	D3	\$37,785	2300		M7047T-I-5	76	L1	\$1,250	165	
M44354T-4	19	LS	\$29,284	2680		M7048T	72	L1	\$1,825	381	
M44354TS-4	19	LS	\$29,284	2490		M7053T	72	L1	\$1,719	292	
M44402T-4	19	D3	\$45,935	2808		M7054T	72	LS	\$1,956	376	
M44404T-4	19	LS	\$38,299	2804		M7054T-5	148	L1	\$1,956	351	
M44404TS-4	19	LS	\$38,299	2812		M7054T-I	76	L1	\$1,956	347	
M4458T	18	D3	\$9,163	1004		M7054T-I-5	76	L1	\$1,956	381	
M4468T	18	D3	\$10,582	1013		M7056T	73	LS	\$2,536	361	
M50356L-4	19	D3	\$40,996	4427		M7056T-5	148	L1	\$2,536	361	
M50502S-4	20	D3	\$58,103	4572		M7056T-I	76	L1	\$2,536	365	
M50504L-4	20	D3	\$52,421	4572		M7056T-I-5	76	L1	\$2,536	381	
M6002A	71	K	\$400	26		M7057T	72	L1	\$3,538	436	
M6007A	71	K	\$501	29		M7058T	73	LS	\$3,138	510	
M7002A	71	K	\$481	28		M7058T-5	148	L1	\$3,138	510	
M7003A	71	K	\$691	37		M7058T-I	76	L1	\$3,138	454	
M7005A	71	K	\$552	27		M7058T-I-5	76	L1	\$3,138	415	
M7006-5	148	K	\$501	37		M7059T	73	L1	\$2,206	371	
M7006A	71	K	\$501	30		M7060T	73	LS	\$3,752	491	
M7007A	71	K	\$730	39		M7060T-5	148	L1	\$3,752	496	
M7009A	71	K	\$575	29		M7060T-I	76	L1	\$3,752	499	
M7010-5	148	K	\$578	38		M7060T-I-5	76	L1	\$3,752	518	
M7010A	71	K	\$578	34		M7062T	73	LS	\$5,126	770	
M7013	71	K	\$606	31		M7062T-5	148	L1	\$5,126	761	
M7013-5	148	K	\$606	31		M7062T-I	76	L1	\$5,126	765	
M7014	71	K	\$632	41		M7062T-I-5	76	L1	\$5,126	713	
M7014-5	148	K	\$632	41		M7063T	73	L1	\$2,936	517	
M7014T	71	LS	\$662	44		M7064T	73	LS	\$5,965	747	
M7014T-5	148	L1	\$662	46		M7064T-I	76	L1	\$5,965	743	
M7015	72	L1	\$895	47		M7064T-I-5	76	L1	\$5,965	608	
M7018T	72	L1	\$621	48		M7065T	72	L1	\$2,194	357	
M7018T-5	148	L1	\$621	50		M7066T	73	LS	\$6,671	973	
M7019	72	L1	\$1,050	49		M7066T-I	76	L1	\$6,767	971	
M7020T	72	L1	\$1,047	80		M7066T-I-5	76	L1	\$6,767	992	
M7023	72	L1	\$1,076	57		M7067T	73	L1	\$4,604	718	
M7026	72	L1	\$920	59		M7068T	73	LS	\$8,322	999	

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M7068T-I	76	L1	\$8,322	1008		MB7-080-AB	255	E7	\$7,140	110	MB7-160-AB
M7068T-I-5	76	L1	\$8,322	1038		MB7-080-CP	255	E7	\$3,919	63	MB7-160-CP
M7070T	72	LS	\$1,313	164		MB7-080-GC	255	E7	\$5,896	122	MB7-160-GC
M7071T	72	L1	\$637	52		MB7-160-AB	255	E7	\$9,415	177	MB7-250-AB
M7071T-5	148	L1	\$637	54		MB7-160-BB	255	E7	\$7,963	174	MB7-250-BB
M7072T	72	L1	\$937	96		MB7-160-CB	255	E7	\$6,196	207	MB7-250-CB
M7072T-5	148	L1	\$937	94		MB7-160-CP	255	E7	\$5,100	110	MB7-250-CP
M7073T	72	L1	\$1,209	97		MB7-160-GC	255	E7	\$12,564	315	MB7-250-GC
M7074T	72	L1	\$1,458	162		MB7-250-AB	255	E7	\$11,753	235	MB7-420-AB
M7075T	72	L1	\$753	69		MB7-250-AB-1	255	E7	\$11,243	186	MB7-420-AB
M7079T	73	L1	\$3,632	522		MB7-250-BB	255	E7	\$8,860	174	MB7-420-BB
M7080T	73	L1	\$5,010	723		MB7-250-CB	255	E7	\$8,121	174	MB7-420-CB
M7081T	73	L1	\$5,896	740		MB7-250-CP	255	E7	\$6,989	113	MB7-420-CP
M7082T	73	L1	\$4,541	654		MB7-250-GC	255	E7	\$14,454	341	MB7-420-GC
M7083T	73	L1	\$3,451	530		MB7-420-AB	255	E7	\$13,496	276	
M7084T	73	L1	\$5,807	915		MB7-420-BB	255	E7	\$10,650	256	
M7085T	73	L1	\$6,555	961		MB7-420-CB	255	E7	\$9,781	253	
M7086T	73	L1	\$7,664	1233		MB7-420-CP	255	E7	\$8,778	156	
M7087T	73	L1	\$8,718	1338		MB7-420-GC	255	E7	\$18,533	360	
M7090T	73	LS	\$9,859	1335		MD7-009-CB	252	E7	\$1,554	13	MD7-016-CB
M7090T-I	76	D3	\$9,859	1347		MD7-016-CB	252	E7	\$1,615	13	MD7-023-CB
M7090T-I-5	76	D3	\$9,859	1372		MD7-023-CB	252	E7	\$1,777	13	MD7-030-CB
M7114T	72	LS	\$939	78		MD7-030-CB	252	E7	\$1,930	15	MD7-044-CB
M7134T	72	LS	\$950	81		MD7-044-CB	252	E7	\$2,200	15	MD7-059-CB
M7137T	72	LS	\$1,001	88		MD7-059-CB	252	E7	\$2,465	15	MD7-072-CB
M7142T	72	LS	\$999	134		MD7-072-CB	252	E7	\$2,787	15	MD7-085-CB
M7144T	72	LS	\$1,183	148		MD7-085-CB	252	E7	\$2,947	15	MD7-105-CB
M7147T	72	LS	\$1,431	212		MD7-105-CB	252	E7	\$3,552	15	MD7-146-CB
M7170T	72	LS	\$1,688	227		MD7-146-CB	252	E7	\$4,197	15	MD7-174-CB
M7170T-5	148	L1	\$1,688	217		MD7-174-CB	252	E7	\$5,564	35	MD7-202-CB
M7170T-I	76	L1	\$1,688	225		MD7-202-CB	252	E7	\$6,174	35	MD7-242-CB
M7170T-I-5	76	L1	\$1,688	230		MD7-242-CB	252	E7	\$6,636	49	MD7-300-CB
M7174T	72	L1	\$1,521	236		MD7-300-CB	252	E7	\$7,397	49	MD7-370-CB
M74124T-4	73	LS	\$13,174	1327		MD7-370-CB	252	E7	\$8,010	49	MD7-500-CB
M74154T-4	73	LS	\$14,590	1450		MD7-500-CB	252	E7	\$10,952	145	MD7-600-CB
M74204T-4	73	LS	\$21,501	1975		MD7-600-CB	252	E7	\$11,892	160	MD7-750-CB
M74254T-4	73	D3	\$24,013	2780		MD7-750-CB	252	E7	\$14,197	159	MD7-900-CB
M74304T-4	73	D3	\$35,745	2423		MD7-900-CB	252	E7	\$15,369	159	
M8001	61	K	\$408	26	M8002	MD8-009-CB	252	E7	\$1,787	13	MD8-016-CB
M8002	61	K	\$519	29	M8003	MD8-016-CB	252	E7	\$1,857	13	MD8-023-CB
M8003	61	K	\$567	35		MD8-023-CB	252	E7	\$2,043	13	MD8-030-CB
M8003T	61	L1	\$639	60	WDM3546T	MD8-030-CB	252	E7	\$2,219	15	MD8-044-CB
M8004T	61	L1	\$625	64	WDM3554T	MD8-044-CB	252	E7	\$2,529	15	MD8-059-CB
M8005T	61	L1	\$662	67	WDM3558T	MD8-059-CB	252	E7	\$2,834	15	MD8-072-CB
M8006T	61	L1	\$858	104	WDM3558T	MD8-072-CB	252	E7	\$3,204	15	MD8-085-CB
M8007T	61	L1	\$965	117	WDM3615T	MD8-085-CB	252	E7	\$3,388	15	MD8-105-CB
M8008T	61	L1	\$1,176	191		MD8-105-CB	252	E7	\$4,084	15	MD8-146-CB
M8009T	61	L1	\$1,397	203	WDM3714T	MD8-146-CB	252	E7	\$4,827	15	MD8-174-CB
M8010T	61	L1	\$1,998	260	CP2333T	MD8-174-CB	252	E7	\$6,397	35	MD8-202-CB
M8014T	61	L1	\$2,429	262	CP2334T	MD8-202-CB	252	E7	\$7,100	35	MD8-242-CB
MA7-008-CA	255	E7	\$1,169	7	MA7-016-CA	MD8-242-CB	252	E7	\$7,631	49	MD8-300-CB
MA7-016-CA	255	E7	\$1,230	6	MA7-030-CA	MD8-300-CB	252	E7	\$8,387	49	MD8-370-CB
MA7-030-CA	255	E7	\$1,443	10		MD8-370-CB	252	E7	\$9,212	49	MD8-500-CB
MA8-008-CA	255	E7	\$1,220	7	MA8-016-CA	MD8-500-CB	252	E7	\$12,593	175	MD8-600-CB
MA8-016-CA	255	E7	\$1,292	7	MA8-030-CA	MD8-600-CB	252	E7	\$13,678	145	MD8-750-CB
MA8-030-CA	255	E7	\$1,493	10		MD8-750-CB	252	E7	\$16,329	159	MD8-900-CB
MB3371	154, 302	A8	\$22	1		MD8-900-CB	252	E7	\$17,676	159	
MB3480	154, 302	A8	\$27	1		MM2333	152	L1	\$1,360	240	
MB3590	154, 302	A8	\$28	2		MM2333-50	155	L1	\$1,496	235	
MB36112	154, 302	A8	\$47	3		MM2334	152	L1	\$1,646	254	
MB37132	154, 302	A8	\$64	6		MM2334-50	155	K	\$1,811	276	
MB7-055-CP	255	E7	\$2,735	61	MB7-080-CP	MM3454	152	K	\$232	20	
MB7-055-GC	255	E7	\$5,376	214	MB7-080-GC	MM3457	152	K	\$214	19	

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MM3458	152	K	\$255	20		MVM3458D	153	K	\$401	20	
MM3460	152	K	\$244	20		MVM3460C	154	K	\$375	22	
MM3461	152	K	\$302	19		MVM3460D	153	K	\$384	20	
MM3463	152	K	\$269	24		MVM3461C	154	K	\$396	22	
MM3542	152	K	\$323	26		MVM3461D	153	K	\$404	20	
MM3545	152	K	\$319	25		MVM3463C	154	K	\$390	26	
MM3546	152	K	\$336	33		MVM3463D	153	K	\$399	25	
MM3546-50	155	K	\$371	36		MVM3542C	154	K	\$417	28	
MM3550	152	K	\$355	30		MVM3542D	153	K	\$426	27	
MM3554	152	K	\$392	41		MVM3542D-50	155	K	\$469	30	
MM3555	152	K	\$423	43		MVM3545C	154	K	\$461	26	
MM3558	152	K	\$403	47		MVM3545D	153	K	\$469	25	
MM3558-50	155	K	\$443	50		MVM3546C	154	K	\$476	32	
MM3559	152	K	\$537	52		MVM3546D	153	K	\$487	34	
MM3611	152	L1	\$483	69		MVM3550C	154	L1	\$481	33	
MM3611-50	155	L1	\$531	66		MVM3550D	153	L1	\$493	38	
MM3613	152	L1	\$594	72		MVM3554C	154	L1	\$493	40	
MM3615	152	L1	\$548	82		MVM3554D	153	L1	\$502	41	
MM3615-50	155	L1	\$603	101		MVM3555C	154	L1	\$529	45	
MM3709	152	L1	\$881	119		MVM3555D	153	L1	\$538	45	
MM3710	152	L1	\$695	127		MVM3558C	154	L1	\$507	48	
MM3710-50	155	L1	\$766	121		MVM3558C-50	155	L1	\$559	54	
MM3711	152	L1	\$961	125		MVM3558D	153	L1	\$521	49	
MM3714	152	L1	\$847	139		MVM3558D-50	155	L1	\$573	56	
MM3714-50	155	L1	\$932	146		MVM3559C	154	L1	\$579	53	
MM4103	152	L1	\$2,044	384		MVM3559D	153	L1	\$592	52	
MM4104	152	L1	\$2,399	421		MVM3611C	154	L1	\$628	61	
MM4110	152	L1	\$3,192	560		MVM3611C-50	155	L1	\$691	73	
MM5100	149	K	\$171	9		MVM3611D	153	L1	\$640	68	
MM5100-5	150	K	\$171	9		MVM3611D-50	155	L1	\$705	78	
MM5150	149	K	\$178	12		MVM3613C	154	L1	\$721	72	
MM5150-5	150	K	\$178	12		MVM3613D	153	L1	\$733	80	
MM5200	149	K	\$198	10		MVM3615C	154	L1	\$677	76	
MM5200-5	150	K	\$198	10		MVM3615C-50	155	L1	\$745	93	
MM5250	149	K	\$208	11		MVM3615D	153	L1	\$691	84	
MM5250-5	150	K	\$208	11		MVM3615D-50	155	L1	\$760	98	
MM5300	149	K	\$213	13		MVM3709D	153	L1	\$977	121	
MM5300-5	150	K	\$213	13		MVM3710C-50	155	L1	\$945	111	
MM5350	149	K	\$217	16		MVM3710D	153	L1	\$871	137	
MM5350-5	150	K	\$217	16		MVM3710D-50	155	L1	\$959	117	
MM5400	149	K	\$221	17		MVM3711D	153	L1	\$1,158	144	
MM5400-5	150	K	\$221	17		MVM3714C-50	155	L1	\$1,155	166	
MM5450	149	K	\$235	22		MVM3714D	153	L1	\$1,062	152	
MM5450-5	150	K	\$235	22		MVM3714D-50	155	L1	\$1,168	169	
MM5500	149	K	\$252	20		MVM5100C	149	K	\$192	9	
MM5500-5	150	K	\$252	20		MVM5100C-5	150	K	\$192	9	
MM5550	149	K	\$255	23		MVM5100D	149	K	\$196	10	
MM5550-5	150	K	\$255	20		MVM5100D-5	150	K	\$196	10	
MM5600	149	K	\$281	23		MVM5150C	149	K	\$198	12	
MM5600-5	150	K	\$281	23		MVM5150C-5	150	K	\$198	12	
MM5650	149	K	\$287	26		MVM5150D	149	K	\$204	13	
MM5650-5	150	K	\$287	26		MVM5150D-5	150	K	\$204	13	
MM5700	149	K	\$298	34		MVM5200C	149	K	\$222	10	
MM5700-5	150	K	\$298	34		MVM5200C-5	150	K	\$222	10	
MM5750	149	K	\$308	37		MVM5200D	149	K	\$226	11	
MM5750-5	150	K	\$308	37		MVM5200D-5	150	K	\$226	11	
MOV505L	253	E7	\$99	1		MVM5250C	149	K	\$228	11	
MOV620EL	253	E7	\$94	1		MVM5250C-5	150	K	\$228	11	
MPM3458	123	K	\$271	20		MVM5250D	149	K	\$234	12	
MVM2333D-50	155	L1	\$1,395	236		MVM5250D-5	150	K	\$234	12	
MVM2334D-50	155	L1	\$1,718	319		MVM5300C	149	K	\$229	13	
MVM3457D	153	K	\$332	20		MVM5300C-5	150	K	\$229	13	
MVM3458C	154	K	\$353	22		MVM5300D	149	K	\$233	14	

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MVM5350C	149	K	\$238	16		OF3440T	129	L1	\$6,195	749	
MVM5350C-5	150	K	\$238	16		OF3764T	129	L1	\$1,616	225	
MVM5350D	149	K	\$241	17		OF3768T	129	L1	\$1,790	196	
MVM5350D-5	150	K	\$241	17		OF4100T	129	L1	\$3,880	372	
MVM5400C	149	K	\$241	17		OF4102T	129	L1	\$4,688	437	
MVM5400C-5	150	K	\$241	17		OF4111T	129	L1	\$5,657	579	
MVM5400D	149	K	\$247	18		OF4117T	129	L1	\$6,860	630	
MVM5400D-5	150	K	\$247	18		OF4308T	129	L1	\$7,602	734	
MVM5450C	149	K	\$256	22		OF4312T	129	D3	\$9,649	1218	
MVM5450C-5	150	K	\$256	22		OF4403T	129	D3	\$11,935	1196	
MVM5450D	149	K	\$263	23		OF4404T	129	D3	\$12,944	1495	
MVM5450D-5	150	K	\$263	23		OF4409T	129	D3	\$16,827	1837	
MVM5500C	149	K	\$265	20		OF4411T	129	D3	\$21,600	2465	
MVM5500C-5	150	K	\$265	20		OF44156T	129	D3	\$25,515	2812	
MVM5500D	149	K	\$269	21		OHV100E	313	PG	\$6,209	324	
MVM5500D-5	150	K	\$269	21		OHV110E	313	PG	\$6,914	348	
MVM5550C	149	K	\$279	23		OHV30	313	PG	\$1,535	121	
MVM5550C-5	150	K	\$279	23		OHV40	313	PG	\$2,181	193	
MVM5550D	149	K	\$283	24		OHV50H	313	PG	\$2,380	193	
MVM5550D-5	150	K	\$283	24		OHV60	313	PG	\$2,807	218	
MVM5600C	149	K	\$302	23		OHV60E	313	PG	\$3,270	230	
MVM5600C-5	150	K	\$364	23		OHV85E	313	PG	\$3,697	255	
MVM5600D	149	K	\$308	24		PC11R	315	PG	\$1,054	65	
MVM5600D-5	150	K	\$308	24		PC17RI	315	PG	\$1,737	55	
MVM5650C	149	K	\$307	26		PC30H	315	PG	\$1,345	108	
MVM5650C-5	150	K	\$307	26		PC32RI	315	PG	\$3,048	140	
MVM5650D	149	K	\$314	27		PC40H	315	PG	\$1,743	171	
MVM5650D-5	150	K	\$314	27		PC43RI	315	PG	\$3,905	179	
MVM5700C	149	K	\$333	34		PC50H	315	PG	\$1,965	185	
MVM5700C-5	150	K	\$333	34		PC60H	315	PG	\$2,179	211	
MVM5700D	149	K	\$342	35		PC60HE	315	PG	\$2,729	217	
MVM5700D-5	150	K	\$342	35		PC90VE	315	PG	\$2,946	236	
MVM5750C	149	K	\$342	37		PCL1313M	122	K	\$417	38	PCL3513M
MVM5750C-5	150	K	\$342	37		PCL1317M	122	K	\$534	42	PCL1326M
MVM5750D	149	K	\$350	38		PCL1319M	122	K	\$534	43	PCL1322M
MVM5750D-5	150	K	\$350	38		PCL1322M	122	K	\$554	48	
NM3454	14	K	\$227	21		PCL1326M	122	K	\$586	50	PCL3519M
NM3534	14	K	\$253	23		PCL1327M	122	K	\$600	58	
NM3538	14	K	\$295	26		PCL3513M	122	K	\$473	38	PCL3515M
NM3542	14	K	\$317	34		PCL3514M	122	K	\$618	50	
NM3546T	14	L1	\$364	38		PCL3515M	122	K	\$561	43	PCL3519M
NM3554T	15	L1	\$380	48		PCL3519M	122	K	\$615	52	
OF2276T	129	L1	\$2,184	249		PFTG100XP	232	N5	\$939	6	
OF2332T	129	L1	\$2,432	280		PFTG42100X	232	N5	\$1,848	33	
OF3303T	129	L1	\$987	123		PFTG4250XC	232	N5	\$1,889	32	
OF3305T	129	L1	\$1,310	152		PFTG46100X	232	N5	\$3,249	43	
OF3307T	129	L1	\$1,633	209	OF3407T	PFTG4650XC	232	N5	\$3,249	44	
OF33100T	129	D3	\$10,699	1352		PFTG50XP	232	N5	\$939	6	
OF3310T	129	L1	\$1,980	234	OF3410T	PGD2	317	G8	\$223	20	
OF3315T	129	L1	\$2,778	288	OF3415T	PGD4	317	G8	\$292	26	
OF3320T	129	L1	\$3,328	318	OF3420T	PL1313M	122	K	\$384	37	PL3513M
OF3325T	129	L1	\$4,275	436		PL1317M	122	K	\$501	41	PL3515M
OF3330T	129	L1	\$5,202	437		PL1319M	122	K	\$510	42	PL1322M
OF3340T	129	L1	\$6,627	553		PL1322M	122	K	\$534	46	
OF3350T	129	D3	\$7,593	981		PL1326M	122	K	\$553	48	PL3519M
OF3360T	129	L1	\$8,532	1047	OF3375T	PL1327M	122	K	\$570	57	
OF3375T	129	D3	\$10,070	1153		PL3513M	122	K	\$442	38	PL3515M
OF3407T	129	L1	\$1,790	229		PL3514M	122	K	\$587	50	
OF3410T	129	L1	\$2,093	272		PL3515M	122	K	\$534	42	PL3519M
OF3415T	129	L1	\$2,934	314		PL3519M	122	K	\$586	50	
OF3420T	129	L1	\$3,481	353		PSC3413A	109	K	\$278	20	
OF3425T	129	L1	\$4,549	526		PSC3416A	109	K	\$309	21	

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PTG100XPS	232	N5	\$976	10		RGA4824	198, 216	E8	\$2,107	30	
PTG1024LD	232	N5	\$1,225	1		RGA4830	198, 216	E8	\$2,107	26	
PTG4590AC	232	N5	\$903	9		RGA4860	198, 216	E8	\$2,107	26	
PTG50NC	232	N5	\$1,348	8		RGA6120	198, 216	E8	\$572	11	RGA12120
PTG50XP	232	N5	\$743	3		RGA620	198, 216	E8	\$572	12	RGA1220
PTG50XPS	232	N5	\$976	8		RGA6200	216	E8	\$572	14	
PTG60XP-M	232	N5	\$939	8		RGA630	198, 216	E8	\$572	10	RGA1230
PTG60XPS-M	232	N5	\$976	5		RGA6402	198, 216	E8	\$5,312	55	RGA9602
PTGWD100XPS	232	N5	\$1,039	9		RGA6404	198, 216	E8	\$5,312	43	RGA9604
PTGWD50XPS	232	N5	\$1,039	10		RGA6414	198, 216	E8	\$5,312	46	
R1	312	A8	\$15	1		RGA660	198, 216	E8	\$572	11	RGA1260
R2	312	A8	\$17	1		RGA9602	198, 216	E8	\$8,525	74	RGA14202
R5A	312	A8	\$57	1		RGA9604	198, 216	E8	\$8,525	74	RGA14204
R6	312	A8	\$29	1		RGJ1120	171, 173	E8	\$76	10	RGJ2120
RBA2-1806	215	E8	\$1,698	23		RGJ1150	171, 173	E8	\$76	15	RGJ2150
RBA2-4004	215	E8	\$2,423	32		RGJ160	171, 173	E8	\$76	5	RGJ260
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RBA4-1820	215	E8	\$1,885	17		RGJ2150	171, 173	E8	\$99	15	RGJ3150
RBA4-4010	215	E8	\$2,612	27		RGJ260	171, 173	E8	\$99	5	RGJ360
RBA4-620	215	E8	\$1,235	13	RBA4-1820	RGJ3120	171, 173	E8	\$154	10	
RBA5-1824	215	E8	\$2,067	19		RGJ3150	171, 173	E8	\$154	15	
RBA5-4014	215	E8	\$3,025	27		RGJ360	171, 173	E8	\$154	5	
RBA5-624	215	E8	\$1,359	11	RBA5-1824	RHC144A	93	C1	\$188	20	
RBK13B5	292	A8	\$41	5		RHC164A	93	C1	\$214	24	
RBK15B5	292	A8	\$53	5		RHC244A	93	C1	\$193	22	RL1303A
RBK18B5	292	A8	\$65	5		RHC264A	93	C1	\$219	24	
RBK21B5	292	A8	\$85	5		RHC344A	93	C1	\$231	24	RL1208A
RBK24B5	292	A8	\$89	5		RHC345A	93	C1	\$233	24	RL1303A
RBK24B9	292	A8	\$170	10		RHC364A	93	C1	\$258	26	
RBK26B5	292	A8	\$94	8		RHC365A	93	C1	\$264	26	
RBK26B9	292	A8	\$206	11		RHC445A	93	C1	\$247	27	RL1307A
RBK30B5	292	A8	\$107	15		RHC465A	93	C1	\$290	27	
RBK30B9	292	A8	\$229	15		RHC545A	93	C1	\$279	28	
RBK32B5	292	A8	\$143	8		RHC565A	93	C1	\$332	35	RL1310A
RBK32B9	292	A8	\$284	15		RHC645A	93	C1	\$320	44	
RBT319	298	A8	\$1,508	14		RHC665A	93	C1	\$381	55	RL1319A
RBT322	298	A8	\$1,648	26		RHC745A	93	C1	\$373	48	
RBT324	298	A8	\$1,648	34		RHM144A	93	C1	\$181	22	RM3003
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RGA2410	198, 216	E8	\$1,299	23	RGA4810	RHM3115	104	K	\$296	24	
RGA24120	198, 216	E8	\$1,299	19		RHM3115A	104	K	\$342	24	
RGA2420	198, 216	E8	\$1,299	24	RGA4820	RHM3116	104	K	\$321	32	RHM545A
RGA2424	198, 216	E8	\$1,299	25	RGA4824	RHM3116A	104	K	\$364	33	
RGA2430	198, 216	E8	\$1,299	19		RHM3120A	104	K	\$387	32	
RGA2460	198, 216	E8	\$1,299	20	RGA4860	RHM3154	104	K	\$371	37	RHM645A
RGA4802	198, 216	E8	\$2,107	29	RGA6402	RHM3154A	104	K	\$374	38	
RGA4804	198, 216	E8	\$2,107	30		RHM3155A	104	K	\$448	33	
RGA4806	198, 216	E8	\$2,107	27		RHM3157	104	K	\$403	41	RHM745A
RGA4810	198, 216	E8	\$2,107	30		RHM3157A	104	K	\$431	52	RHM745A

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RHM3161TA	104	L1	\$476	60		RM3154A	101	K	\$404	33	RM3157A
RHM3162TA	104	K	\$668	54		RM3155	99	K	\$439	33	RM3158
RHM344A	93	C1	\$222	25		RM3155A	101	K	\$470	33	RM3158TA
RHM345A	93	C1	\$226	25	RM3010	RM3157	99	K	\$424	37	
RHM364A	93	C1	\$251	27	RM3108	RM3157A	101	K	\$463	41	RM3161TA
RHM365A	93	C1	\$253	26		RM3158	99	K	\$454	39	
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RHM465A	93	C1	\$287	27		RM3161TA	101	K	\$506	58	
RHM545A	93	C1	\$278	28	RM3116	RSP1441A	95	C1	\$168	26	
RHM565A	93	C1	\$335	39		RSP1442A	95	C1	\$172	27	
RHM645A	93	C1	\$326	34		RSP2441A	95	C1	\$179	23	
RHM665A	93	C1	\$371	48	RM3154	RSP2442A	95	C1	\$183	22	
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RK60-56	249	E9	\$578	2		RSP3441A	95	C1	\$209	27	
RL1301A277	99	K	\$310	23		RSP3442A	95	C1	\$214	23	
RL1304A	99	K	\$301	26	RL1323A	RSP3451A	95	C1	\$212	25	
RL1304A277	99	K	\$323	26		RSP3452A	95	C1	\$217	23	
RL1306A	99	K	\$277	26	RL425A	RTA2-2	216	E8	\$2,253	13	
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RL1307A277	99	K	\$445	34		RTA2-6	216	E8	\$1,353	10	RTA2-4
RL1309A	99	K	\$319	34	RL1317A	RTA4-10	216	E8	\$1,711	14	RTA4-4
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RL1310A277	99	K	\$458	42		RTA4-20	216	E8	\$1,207	14	RTA4-10
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RL1323A	99	K	\$275	24	RL1304A	S20CA	255	E7	\$495	4	S21CA
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RL345A	92	C1	\$239	25	RL1304A	SFL918B5	292	A8	\$111	9	
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RM3115A	101	K	\$359	25	RM3120A	SSGF0518BG	273	GB	\$1,210	30	SSGF0521BG
RM3116	99	K	\$340	33	RM3154	SSGF0521BG	273	GB	\$1,415	35	SSGF0526BG
RM3116A	101	K	\$380	30	RM3154A	SSGF0526BG	273	GB	\$1,992	65	
RM3120	99	K	\$378	31	RM3155	SSGF1018AG	273	GB	\$1,210	30	

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SSGF1021BG	273	GB	\$1,415	35	SSGF1026BG	TK3300-HPU	233, 249	A8	\$70	1	
SSGF1026BG	273	GB	\$1,992	65		TK3400	233	A8	\$220	4	
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SSGF2021AG	273	GB	\$1,415	35		TK7500	233	A8	\$318	17	
SSGF2026BG	273	GB	\$1,992	65		TK9100	233	A8	\$344	23	
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SSGF2526BG	273	GB	\$1,992	65		TKP2136AC	231	A8	\$39	2	
SSGF3018AG	273	GB	\$1,210	30	SSGF3021AG	TKP2136NC	231	A8	\$39	3	
SSGF3021AG	273	GB	\$1,415	35		TKP2136XC	231	A8	\$904	16	
SSGF3026BG	273	GB	\$1,992	65		TKP2136XPT	231	A8	\$647	13	
SSGF4018AG	273	GB	\$1,210	30	SSGF4021AG	TKP400AC	231	A8	\$39	2	
SSGF4021AG	273	GB	\$1,415	35		TKP400ENC	231	A8	\$493	16	
SSGF4026BG	273	GB	\$1,992	65		TKP400NC	231	A8	\$39	2	
SSGF5018AG	273	GB	\$1,210	30	SSGF5021AG	TKP400XP	231	A8	\$647	3	
SSGF5021AG	273	GB	\$1,415	35	SSGF5026AG	TKP500AC	231	A8	\$39	2	
SSGF5026AG	273	GB	\$1,992	65		TKP500ENC	231	A8	\$493	17	
SSGF6018AG	273	GB	\$1,210	30	SSGF6021AG	TKP500NC	231	A8	\$39	2	
SSGF6021AG	273	GB	\$1,415	35	SSGF6026AG	TKP500XC	231	A8	\$904	7	
SSGF6026AG	273	GB	\$1,992	65		TKP500XP	231	A8	\$647	3	
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SSGHF1018AH	274	GB	\$1,278	30	SSGHF1021AH	UCC5700	115	L1	\$802	74	
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SSGHF1521AH	274	GB	\$1,480	38		UCCE345	115	L1	\$753	75	
SSGHF2018AH	274	GB	\$1,278	30	SSGHF2021AH	UCCE570	115	L1	\$884	87	
SSGHF2021AH	274	GB	\$1,480	38		UCCE7510	115	L1	\$1,202	106	
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SSGHF3018AH	274	GB	\$1,278	30	SSGHF3021AH	UCL1015	114	L1	\$1,516	137	
SSGHF3021AH	274	GB	\$1,480	38	SSGHF3026AH	UCL153	114	L1	\$684	51	
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SSGHF4021AH	274	GB	\$1,480	38	SSGHF4026AH	UCL570	114	L1	\$895	93	
SSGHF4026AH	274	GB	\$2,130	60		UCL710	114	L1	\$960	92	
SSGHF5018AH	274	GB	\$1,278	30	SSGHF5021AH	UCL7510	114	L1	\$1,194	108	
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SSGHF6021AH	274	GB	\$1,480	38	SSGHF6026AH	UCLE3145	114	L1	\$770	60	
SSGHF6026AH	274	GB	\$2,130	60		UCLE570	114	L1	\$939	94	
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T73EA	256	E7	\$587	4		UCM3145	114	L1	\$518	45	
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T81EA	256	E7	\$550	4	T82EA	UCM575	114	L1	\$661	67	
T82EA	256	E7	\$587	4		UCM713	114	L1	\$791	89	
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TA1050VK	294	A8	\$141	3		UCME3145	114	L1	\$559	45	
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TA18HK	292	A8	\$115	2		UCME7510	114	L1	\$823	85	
TA21HK	292	A8	\$128	2		UCME759	114	L1	\$823	85	
TA24HK	292	A8	\$129	2		V2L145A	90	C1	\$182	21	VL145A
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TA38HK	292	A8	\$143	2		V2L345A	90	C1	\$242	23	VL345A
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VBM3218T	134	L1	\$1,640	80	VBM3248T	VECP3580-4	54	K	\$599	56	
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VCP2333T	55	L1	\$2,012	255		VECP3667T	54	L1	\$971	112	
VCP2334T	55	L1	\$2,200	258		VECP3681T-4	54	L1	\$741	61	
VCP3580-4	54	K	\$511	51		VECP3764T	54	L1	\$1,453	211	
VCP3581	54	K	\$486	54		VECP3768T	55	L1	\$1,470	203	
VCP3581-4	54	K	\$486	54		VECP3769T-4	55	L1	\$1,570	198	
VCP3581T	54	L1	\$486	59		VECP3770T	55	L1	\$1,335	178	
VCP3581T-4	54	L1	\$486	66		VECP3770T-4	55	L1	\$1,335	203	
VCP3582T	54	L1	\$707	64		VECP3771T-4	55	L1	\$1,664	203	
VCP3583T-4	54	L1	\$578	55		VECP3774T	55	L1	\$1,577	196	
VCP3584T	54	L1	\$611	63		VECP3774T-4	55	L1	\$1,577	196	
VCP3584T-4	54	L1	\$611	57	VCP3587T-4	VECP4100T	55	L1	\$3,402	422	
VCP3586T-4	54	L1	\$663	63		VECP4102T	55	L1	\$4,440	451	
VCP3587T	54	L1	\$625	67		VECP4103T	55	L1	\$3,127	391	
VCP3587T-4	54	L1	\$625	64		VECP4111T	55	L1	\$4,673	578	
VCP3660T-4	54	L1	\$868	97		VEJMM3116T	38, 86	L1	\$479	43	
VCP3661T	54	L1	\$889	103		VEJMM3154T	38, 86	L1	\$514	52	
VCP3661T-4	54	L1	\$889	99		VEJMM3157T	38, 86	L1	\$563	53	
VCP3663T-4	55	L1	\$1,082	108		VEJMM3211T	38, 86	L1	\$617	74	
VCP3664T	54	L1	\$774	108		VEJMM3218T	38, 86	L1	\$699	79	
VCP3665T	55	L1	\$915	110		VEJMM3311T	38, 86	L1	\$1,055	152	
VCP3665T-4	55	L1	\$915	111		VEJMM3313T	38, 86	L1	\$1,142	158	
VCP3667T	54	L1	\$829	100		VEJMM3546T	37, 84	L1	\$468	41	
VCP3764T	54	L1	\$1,235	164		VEJMM3554T	37, 84	L1	\$494	46	
VCP3769T-4	55	L1	\$1,403	158		VEJMM3558T	37, 84	L1	\$592	52	
VCP3770T	55	L1	\$1,260	170		VEJMM3611T	37, 84	L1	\$675	73	
VCP3770T-4	55	L1	\$1,260	173		VEJMM3615T	37, 84	L1	\$779	90	
VCP3771T-4	55	L1	\$1,493	206		VEJMM3710T	37, 84	L1	\$1,142	128	
VCP3774T	55	L1	\$1,356	177		VEJMM3714T	37, 84	L1	\$1,322	154	
VCP3774T-4	55	L1	\$1,356	194		VEM3538	29, 42	K	\$411	31	
VCP4100T	55	L1	\$3,329	322		VEM3542	29, 42	K	\$437	34	
VCP4102T	55	L1	\$3,796	382		VEM3545	29, 42	K	\$448	32	VM3545
VCP4103T	55	L1	\$2,739	320		VEM3546	29, 42	K	\$449	39	VM3546

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VEM3546T	29, 42	L1	\$458	42		VHECP4108T	87	L1	\$3,808	506	
VEM3550	29, 42	K	\$474	42	VM3550	VHECP4109T	87	L1	\$5,330	653	
VEM3554	29, 42	K	\$499	45	VM3554	VHECP4110T	87	L1	\$4,985	665	
VEM3554T	29, 42	L1	\$478	45		VHECP4114T	87	L1	\$6,532	658	
VEM3555	29, 43	K	\$520	47	VM3555	VHECP4115T	87	L1	\$7,042	672	
VEM3556	29, 42	K	\$584	43	VM3556	VHECP4310T	87	L1	\$8,346	743	
VEM3558	29, 43	K	\$528	51	VM3558	VHECP4313T	87	L1	\$10,428	835	
VEM3558T	29	L1	\$536	51		VHECP4314T	87	L1	\$8,712	780	
VEM3581	29, 42	K	\$656	54		VHECP4316T	87	L1	\$10,610	838	
VEM3581T	29, 42	L1	\$656	55		VHM2513T	88	L1	\$2,537	227	
VEM3581T-5	29	L1	\$656	55		VHM2514T	88	L1	\$2,663	308	
VEM3584T	29, 42	L1	\$658	61		VHM2515T	88	L1	\$2,882	280	
VEM3584T-5	29	L1	\$658	62		VHM2516T	88	L1	\$2,833	476	
VEM3587T	29, 43	L1	\$709	64		VHM2531T	88	L1	\$3,216	465	
VEM3587T-5	29	L1	\$709	66		VHM2534T	88	L1	\$3,117	496	
VEM3610T	29, 43	L1	\$635	66		VHM2535T	88	L1	\$3,611	490	
VEM3611T	29, 43	LS	\$603	69		VHM2538T	88	L1	\$4,498	624	
VEM3613T	29, 43	L1	\$701	77		VHM2539T	88	L1	\$4,207	649	
VEM3615T	29, 43	LS	\$657	95		VHM2542T	88	L1	\$5,512	663	
VEM3661T	29, 43	L1	\$821	97		VHM2543T	88	L1	\$5,942	659	
VEM3661T-5	29	L1	\$821	97		VHM2546T	88	L1	\$7,043	723	
VEM3665T	29, 43	L1	\$822	112		VHM2547T	88	L1	\$7,351	760	
VEM3665T-5	29	L1	\$822	113		VHM2549T	88	L1	\$8,799	815	
VEM3770T	29, 43	L1	\$1,140	162		VHM2551T	88	L1	\$8,952	808	
VEM3770T-5	29	L1	\$1,140	164		VHM3210T	88	L1	\$1,454	112	
VEM3774T	29, 43	L1	\$1,265	198		VHM3211T	88	L1	\$1,299	117	
VESWDM3546	66	K	\$742	39		VHM3212T	88	L1	\$1,876	129	
VESWDM3554	66	K	\$809	51		VHM3218T	88	L1	\$1,732	128	
VESWDM3554T	66	L1	\$809	51		VHM3219T	88	L1	\$2,222	177	
VESWDM3558T	66	L1	\$924	55		VHM3311T	88	L1	\$2,150	195	
VEWDM3546	63	K	\$701	45		VHM3312T	88	L1	\$2,319	200	
VEWDM3546T	63	L1	\$706	46		VHM3313T	88	L1	\$2,412	206	
VEWDM3554	63	K	\$753	48		VHM3314T	88	L1	\$2,448	212	
VEWDM3554T	63	L1	\$758	47		VJMM2333T	84	L1	\$1,855	200	
VEWDM3558	63	K	\$801	49		VJMM2333T-5	147	L1	\$1,855	190	
VEWDM3558T	63	L1	\$816	48		VJMM2334T	84	L1	\$1,917	299	
VEWDM3611T	63	L1	\$1,027	72		VJMM2334T-5	147	L1	\$1,917	267	
VEWDM3615T	63	L1	\$1,165	94		VJMM3116T	86	L1	\$387	35	
VEWDM3710T	64	L1	\$1,557	148		VJMM3154T	86	L1	\$392	39	VJMM3157T
VEWDM3714T	64	L1	\$1,673	158		VJMM3157T	86	L1	\$438	40	
VFDL3501M	111	K	\$379	23	VFDL3504M	VJMM3158T	86	L1	\$487	46	
VFDL3504M	111	K	\$436	28	VFDL3507M	VJMM3211T	86	L1	\$479	57	
VFDL3507M	111	K	\$508	38		VJMM3212T	86	L1	\$564	60	
VFDL3510M	111	K	\$577	39	VFDL3514M	VJMM3218T	86	L1	\$512	71	
VFDL3514M	111	K	\$655	47		VJMM3219T	86	L1	\$665	78	
VFDL3516TM	111	L1	\$851	52	CL3516TM	VJMM3311T	86	L1	\$749	103	
VFDL3610TM	111	L1	\$1,154	97		VJMM3312T	86	L1	\$834	94	
VFDL3612TM	111	L1	\$1,413	101		VJMM3313T	86	L1	\$876	113	
VHECP2333T	87	L1	\$3,100	235		VJMM3314T	86	L1	\$1,125	117	
VHECP2334T	87	L1	\$3,520	290		VJMM3546T	84	L1	\$431	35	
VHECP2394T	87	L1	\$2,990	220		VJMM3546T-5	147	L1	\$431	36	
VHECP3660T	87	L1	\$1,626	120		VJMM3554T	84	L1	\$452	37	
VHECP3661T	87	L1	\$1,456	125		VJMM3554T-5	147	L1	\$452	37	
VHECP3663T	87	L1	\$2,100	137		VJMM3558T	84	L1	\$473	45	
VHECP3665T	87	L1	\$1,939	140		VJMM3558T-5	147	L1	\$473	45	
VHECP3769T	87	L1	\$2,487	185		VJMM3611T	84	L1	\$565	53	
VHECP3770T	87	L1	\$2,407	203		VJMM3611T-5	147	L1	\$565	55	
VHECP3771T	87	L1	\$2,594	208		VJMM3615T	84	L1	\$634	76	
VHECP3774T	87	L1	\$2,701	215		VJMM3615T-5	147	L1	\$634	76	
VHECP4103T	87	L1	\$3,927	335		VJMM3710T	84	L1	\$823	120	
VHECP4104T	87	L1	\$4,408	500		VJMM3710T-5	147	L1	\$823	121	
VHECP4106T	87	L1	\$3,252	318		VJMM3714T	84	L1	\$1,017	133	
VHECP4107T	87	L1	\$3,458	486		VJMM3714T-5	147	L1	\$1,017	136	

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VL1303	41	K	\$220	21	VL1303A	VL5001A	74	K	\$521	29	CL5001A
VL1303A	41, 78	K	\$234	26	VL1306A	VL5002A	74	K	\$699	42	VL5005A
VL1304	41	K	\$267	24	CL1304	VL5003A	74	K	\$502	30	CL5003A
VL1305	41	K	\$524	39	VL3505	VL5004A	74	K	\$576	36	CL5004A
VL1306	41	K	\$265	27	VL1306A	VL5005A	74	K	\$801	50	
VL1306A	41, 78	K	\$279	30	VL425A	VL5006A	74	K	\$537	40	VL5009A
VL1307	41	K	\$327	33	VL1307A	VL5007A	74	K	\$641	47	CL5007A
VL1307A	41, 78	K	\$381	34	VL1318A	VL5009A	74	K	\$576	49	CL5009A
VL1308	41	K	\$588	43	VL3508	VL5023A	74	K	\$729	54	CL5023A
VL1309	41	K	\$278	32	VL1309A	VL5024A	74	K	\$962	76	
VL1309A	41, 78	K	\$295	32	VL1313A	VL5027	74	L1	\$1,532	90	
VL1310	41	K	\$356	34	VL1318	VL525A	89	C1	\$242	28	V2L525A
VL1313	41	K	\$385	32	VL1313A	VL545A	89	C1	\$297	34	VL1318A
VL1313A	41, 78	K	\$402	37	VL1317A	VL625A	89	C1	\$284	38	VL1313A
VL1317	41	K	\$507	43	VL1317A	VL725A	89	C1	\$342	44	VL1317A
VL1317A	41, 78	K	\$521	41	VL3515	VL825A	89	C1	\$393	53	VL1323A
VL1318	41	K	\$388	42	VL1318A	VLCP2333T	87	L1	\$3,048	227	
VL1318A	41, 78	K	\$405	41	VL545A	VLCP2334T	87	L1	\$3,460	280	
VL1319	41	K	\$456	42	VL3514	VLCP2394T	87	L1	\$2,940	212	
VL1321T	41	L1	\$515	49	VL1322T	VLCP3660T	87	L1	\$1,600	112	
VL1322T	41	L1	\$525	47		VLCP3661T	87	L1	\$1,431	117	
VL1323A	41, 78	K	\$539	52	VL825A	VLCP3663T	87	L1	\$2,066	129	
VL1406T	41	L1	\$638	59	VL3606T	VLCP3665T	87	L1	\$1,907	128	
VL1408T	41	L1	\$647	80	CL1408TM	VLCP3769T	87	L1	\$2,447	177	
VL145A	89	C1	\$173	21	V2L145A	VLCP3770T	87	L1	\$2,367	195	
VL225A	89	C1	\$168	22	V2L225A	VLCP3771T	87	L1	\$2,552	200	
VL245A	89	C1	\$202	24	V2L245A	VLCP3774T	87	L1	\$2,656	206	
VL325A	89	C1	\$190	22	V2L325A	VLCP4103T	87	L1	\$3,862	465	VLCP4104T
VL345A	89	C1	\$232	23	V2L345A	VLCP4104T	87	L1	\$4,334	490	
VL3501	40	K	\$259	22	CL3501	VLCP4106T	87	L1	\$3,210	308	
VL3501-50	158	K	\$319	24	VL3504-50	VLCP4107T	87	L1	\$3,401	476	
VL3503	40	K	\$261	21	CL3503	VLCP4108T	87	L1	\$3,743	496	
VL3503-50	158	K	\$289	25	VL3506-50	VLCP4109T	87	L1	\$5,241	624	
VL3504	40	K	\$302	27	CL3504	VLCP4110T	87	L1	\$4,902	649	
VL3504-50	158	K	\$371	32	VL3507-50	VM2333T	43	LS	\$1,635	199	
VL3505	40	K	\$561	41	VL3508	VM2333T-5	146	L1	\$1,373	266	
VL3506	40	K	\$290	29	CL3506	VM2334T	43	LS	\$1,914	273	
VL3506-50	158	K	\$334	35	VL3509-50	VM2334T-5	146	L1	\$1,700	275	
VL3506A	40	K	\$321	32	VL3509A	VM2394T	43	L1	\$1,798	200	
VL3507	40	K	\$347	34	VFDL3507M	VM2513T	44	L1	\$1,257	189	CM2513T
VL3507-50	158	K	\$439	39	VL3514-50	VM2514T	44	L1	\$1,553	146	
VL3508	40	K	\$646	44		VM2515T	44	L1	\$1,566	211	CM2515T
VL3509	40	K	\$335	36	VL3509A	VM2516T	44	LS	\$1,845	180	
VL3509-50	158	K	\$392	40	VL3513-50	VM2531T	44	L1	\$1,997	226	
VL3509A	40	K	\$366	40	VL3509	VM2534T	44	L1	\$2,078	234	
VL3510	40	K	\$398	38	CL3510	VM3104	44	LS	\$223	21	VM3534
VL3510-50	158	K	\$502	47	VL3514-50	VM3107	44	K	\$232	19	CM3107
VL3510T	40	L1	\$398	39	VL3514T	VM3108	44	LS	\$253	22	VM3538
VL3513	40	K	\$437	40	CL3513	VM3109	44	K	\$392	25	CM3539
VL3513-50	158	K	\$506	48	VL3515-50	VM3111	44	K	\$328	21	VM3541
VL3513T	40	L1	\$463	41	VL3515T	VM3112	44	LS	\$280	25	VM3542
VL3514	40	K	\$450	47	CL3514	VM3115	44	K	\$310	23	VM3545
VL3514-50	158	K	\$568	50		VM3116	44	LS	\$314	29	VM3546
VL3514T	40	L1	\$456	47	CL3516TM	VM3116T	44	LS	\$316	30	CM3116T
VL3515	40	K	\$559	51	CL3515	VM3120	44	K	\$345	30	VM3550
VL3515-50	158	K	\$642	52		VM3120T	44	L1	\$369	31	VM3550T
VL3515T	40	L1	\$569	50	CL3515T	VM3153	44	K	\$422	32	VM3543
VL3605	40	L1	\$897	65		VM3153T	44	L1	\$422	33	VM3543T
VL3605T	40	L1	\$808	66		VM3154	44	LS	\$361	34	VM3554
VL3606T	40	L1	\$901	74		VM3154T	44	LS	\$368	35	CM3154T
VL3609T	40	L1	\$953	79	VFDL3610TM	VM3155	44	K	\$401	32	VM3555
VL425A	89	C1	\$216	26	V2L425A	VM3155T	44	L1	\$407	33	VM3555T

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VM3157	44	LS	\$375	38	VM3558	VM3557	42	K	\$500	40	
VM3157T	44	LS	\$379	38	CM3157T	VM3557T	42	L1	\$500	42	
VM3158	44	K	\$412	41		VM3558	43	LS	\$382	44	VM3561
VM3158T	44	L1	\$432	40	CM3158T	VM3558-5	146	LS	\$382	41	
VM3159T	44	L1	\$478	41	VM3557T	VM3558T	43	LS	\$382	42	VM3587T
VM3161T	44	L1	\$443	53		VM3558T-5	146	LS	\$382	45	
VM3211	44	L1	\$612	53	VM3611	VM3558T-50	158	L1	\$417	49	
VM3211T	44	L1	\$415	61	CM3211T	VM3559	43	K	\$483	44	
VM3212T	44	L1	\$469	69	CM3212T	VM3559-5	146	K	\$483	45	
VM3215T	44	L1	\$498	58	VM3614T	VM3559T	43	L1	\$523	45	CM3559T
VM3218	44	L1	\$487	69	VM3615	VM3561	43	K	\$506	49	
VM3218T	44	L1	\$455	68	CM3218T	VM3581	60	K	\$458	50	
VM3219T	44	L1	\$575	75	CM3219T	VM3581T	60	L1	\$458	50	
VM3305T	44	L1	\$634	98	VM3704T	VM3584T	60	L1	\$651	51	VM3587T
VM3309T	44	L1	\$832	113	VM3708T	VM3587T	60	L1	\$494	59	
VM3311T	44	L1	\$672	99	CM3311T	VM3603	42	L1	\$594	30	
VM3312T	44	L1	\$825	110		VM3606	42	L1	\$631	34	VM3609
VM3313T	44	L1	\$805	106	CM3313T	VM3607	42	L1	\$708	39	
VM3314T	44	L1	\$1,169	125		VM3609	43	L1	\$656	41	VM3611
VM3531	42	K	\$350	19	VM3535	VM3610	43	L1	\$637	44	VM3613
VM3534	42	LS	\$249	22	VM3538	VM3610T	43	L1	\$572	50	CM3610T
VM3534-5	146	LS	\$252	22	VM3538-5	VM3610T-5	146	L1	\$572	57	
VM3534-50	158	K	\$283	20	VM3538-50	VM3611	43	LS	\$588	52	VM3615
VM3535	42	K	\$393	21	VM3539	VM3611T	43	LS	\$464	54	CM3611T
VM3537	42	K	\$268	19	CM3537	VM3611T-5	146	LS	\$464	68	CWDM3611T5
VM3537-5	146	K	\$268	19		VM3613	43	L1	\$688	67	
VM3537-50	158	K	\$308	23	VM3541-50	VM3613T	43	L1	\$652	69	CM3613T
VM3538	42	LS	\$286	23	CM3538	VM3613T-5	146	L1	\$652	72	
VM3538-5	146	LS	\$286	22	VM3542-5	VM3614	43	L1	\$741	63	
VM3538-50	158	K	\$332	25	VM3542-50	VM3614T	43	L1	\$606	65	CM3614T
VM3539	42	K	\$422	23	VM3543	VM3615	43	LS	\$557	73	
VM3541	42	K	\$294	21	CM3541	VM3615T	43	LS	\$528	75	CM3615T
VM3541-5	146	K	\$294	21		VM3615T-5	146	LS	\$528	88	
VM3541-50	158	K	\$321	22	VM3545-50	VM3616T	43	L1	\$785	88	CM3616T
VM3542	42	LS	\$304	25	CM3542	VM3661T-9	60	L1	\$695	88	CM3661T
VM3542-5	146	LS	\$304	25	VM3546-5	VM3665T-9	60	L1	\$713	100	
VM3542-50	158	K	\$356	32		VM3703	43	L1	\$814	63	
VM3543	42	K	\$431	32	CM3543	VM3704	43	L1	\$984	97	
VM3543T	42	L1	\$431	33		VM3704T	43	L1	\$794	96	CM3704T
VM3545	42	K	\$343	23	CM3545	VM3707	43	L1	\$1,006	76	
VM3545-5	146	K	\$343	24		VM3708T	43	L1	\$940	127	CM3708T
VM3545-50	158	K	\$381	26		VM3709T	43	L1	\$987	99	CM3709T
VM3546	42	LS	\$317	30	CM3546	VM3709T-5	146	L1	\$987	91	
VM3546-5	146	LS	\$317	30	VM3554-5	VM3710T	43	LS	\$705	117	CM3710T
VM3546T	42	LS	\$357	31	CM3546T	VM3710T-5	146	LS	\$705	124	
VM3546T-5	146	LS	\$357	34		VM3711T	43	L1	\$1,027	122	CM3711T
VM3546T-50	158	L1	\$378	35		VM3711T-5	146	L1	\$1,027	123	
VM3550	42	K	\$373	28	CM3550	VM3713T	43	L1	\$1,282	143	CM3713T
VM3550-5	146	K	\$373	29		VM3713T-5	146	L1	\$1,282	165	
VM3550T	42	L1	\$401	30	CM3550T	VM3714T	43	LS	\$840	129	CM3714T
VM3550T-5	146	L1	\$401	30		VM3714T-5	146	LS	\$840	137	
VM3550T-50	158	L1	\$415	36		VM4103T	43	LS	\$2,401	377	CM4103T
VM3554	42	LS	\$356	34	CM3554	VM4104T	43	LS	\$2,448	399	CM4104T
VM3554-5	146	LS	\$356	34	VM3558-5	VM4106T	43	L1	\$1,946	221	
VM3554T	42	LS	\$364	34	CM3554T	VM4107T	43	L1	\$2,498	371	
VM3554T-5	146	LS	\$364	40	VM3558T-5	VM4108T	43	L1	\$2,677	403	
VM3554T-50	158	L1	\$392	39	VM3558T-50	VM7002A	74	K	\$619	28	
VM3555	43	K	\$417	42	VM3559	VM7005A	74	K	\$600	26	
VM3555-5	146	K	\$417	32		VM7006-5	148	K	\$653	37	
VM3555T	43	L1	\$458	33	CM3555T	VM7006A	74	K	\$653	30	
VM3555T-50	158	L1	\$454	41		VM7007A	74	K	\$760	38	
VM3556	42	K	\$438	37	CM3556	VM7009A	74	K	\$619	29	

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VM7010-5	148	K	\$665	48		VP3575-14	225	L1	\$1,464	73	
VM7010A	74	K	\$665	33		VP3575D	225	L1	\$1,464	68	
VM7013	74	K	\$647	31		VP3585-14	225	L1	\$1,747	80	
VM7014	74	K	\$698	41		VP3585D	225	L1	\$1,747	76	
VM7014-5	148	K	\$698	40		VP3588-14	225	L1	\$1,464	70	
VM7014T	74	L1	\$698	40		VP3588D	225	L1	\$1,464	69	
VM7014T-5	148	L1	\$698	44		VP3603D	225	L1	\$2,151	122	
VM7018T	75	L1	\$735	41		VP3605D	225	L1	\$3,652	165	
VM7026T	75	L1	\$962	77		VP7424-14	225	DS	\$307	5	
VM7031A	74	K	\$798	47		VP7424D	225	DS	\$314	5	
VM7032	74	K	\$840	46		VPCP4114T	87	L1	\$6,423	663	
VM7034	75	K	\$752	43		VPCP4115T	87	L1	\$6,924	659	
VM7034T	75	L1	\$752	43		VPCP4310T	87	L1	\$7,386	723	
VM7034T-5	148	L1	\$752	51		VPCP4313T	87	L1	\$9,227	815	
VM7035T	75	L1	\$859	58		VPCP4314T	87	L1	\$7,711	760	
VM7037	75	K	\$813	51		VPCP4316T	87	L1	\$9,389	808	
VM7037T	75	L1	\$813	50		VRBM3538	136	K	\$947	36	
VM7037T-5	148	L1	\$813	54		VRBM3542	136	K	\$1,110	37	
VM7042T	75	L1	\$1,043	81		VRBM3546	136	K	\$1,279	46	
VM7042T-5	148	L1	\$1,043	92		VRBM3554T	136	L1	\$1,435	72	
VM7044T	75	L1	\$1,270	111		VRBM3558T	136	L1	\$1,473	76	
VM7044T-5	148	L1	\$1,270	112		VSSEWDM3537	36, 67	K	\$889	38	CSSEWDM3537
VM7045T	75	L1	\$1,600	149		VSSEWDM3538	36, 67	K	\$903	41	CSSEWDM3538
VM7047T	75	L1	\$1,471	156		VSSEWDM3541	36, 67	K	\$920	45	CSSEWDM3541
VM7047T-5	148	L1	\$1,471	171		VSSEWDM3542	36, 67	K	\$935	49	CSSEWDM3542
VM7071T	75	L1	\$822	47		VSSEWDM3545	36, 67	K	\$967	48	CSSEWDM3545
VM7072T	75	L1	\$1,218	97		VSSEWDM3546	36, 67	K	\$978	51	CSSEWDM3546
VM7073T	75	L1	\$1,374	110		VSSEWDM3546T	36, 67	L1	\$987	51	CSSEWDM3546T
VM7075T	75	L1	\$913	54		VSSEWDM3550	36, 67	K	\$981	53	CSSEWDM3550
VM7170T	75	L1	\$1,785	235		VSSEWDM3550T	36, 67	L1	\$990	53	CSSEWDM3550T
VM8001	61	K	\$426	27	VWDM3538	VSSEWDM3554	36, 67	K	\$986	53	CSSEWDM3554
VM8002	61	K	\$537	30	VM8003	VSSEWDM3554T	36, 67	L1	\$995	53	CSSEWDM3554T
VM8003	61	K	\$579	36	VM8004	VSSEWDM3555T	36, 67	L1	\$1,192	54	CSSEWDM3555T
VM8003T	61	L1	\$605	56		VSSEWDM3558	36, 67	K	\$1,201	61	
VM8004	61	K	\$617	41	VWDM3554	VSSEWDM3558T	36, 67	L1	\$1,210	61	CSSEWDM3558T
VM8004T	61	L1	\$593	60	VWDM3554T	VSSWDM3537	68	K	\$803	37	CSSWDM3537
VM8005T	61	L1	\$626	64	VWDM3558T	VSSWDM3538	68	K	\$864	40	CSSWDM3538
VM8006T	61	L1	\$852	98	VWDM3611T	VSSWDM3541	68	K	\$833	34	CSSWDM3541
VM8007T	61	L1	\$952	113	VWDM3615T	VSSWDM3542	68	K	\$895	47	CSSWDM3542
VM8008T	61	L1	\$1,229	180	VWDM3710T	VSSWDM3545	68	K	\$913	41	CSSWDM3545
VM8012	61	K	\$530	28	CWDM3545	VSSWDM3546	68	K	\$920	47	CSSWDM3546
VM8016T	61	L1	\$666	64		VSSWDM3550	68	K	\$925	52	CSSWDM3550
VM8024T	61	L1	\$1,382	185	WDM3714T	VSSWDM3554T	68	L1	\$940	51	CSSWDM3554T
VNM3538	42	K	\$309	22	VNM3542	VSSWDM3555T	68	L1	\$1,135	57	CSSWDM3555T
VNM3542	42	K	\$331	30		VSSWDM3558T	68	L1	\$1,148	52	CSSWDM3558T
VP3311D	225	K	\$454	24		VSSWDM3559T	68	L1	\$1,370	57	CSSWDM3559T
VP3316D	225	K	\$480	26		VSSWDM3611T	68	L1	\$1,302	89	CSSWDM3611T
VP3326D	225	K	\$537	31		VSSWDM3613T	68	L1	\$1,489	96	CSSWDM3613T
VP3411-14	225	K	\$511	30		VSSWDM3615T	68	L1	\$1,500	108	CSSWDM3615T
VP3416-14	225	K	\$634	31		VSWDM3538	66	K	\$493	29	CSWDM3538
VP3426-14	225	K	\$577	37		VSWDM3542	66	K	\$570	33	VSWDM3546
VP3428-14	225	K	\$556	31		VSWDM3546	66	K	\$591	38	VSWDM3554
VP3428D	225	K	\$556	32		VSWDM3546T	66	L1	\$591	37	CSWDM3546T
VP3436-14	225	K	\$652	39		VSWDM3554	66	K	\$619	47	CSWDM3554
VP3436D	225	K	\$652	41		VSWDM3554T	66	L1	\$619	48	CSWDM3554T
VP3439-14	225	K	\$577	35		VSWDM3558T	66	L1	\$705	41	CSWDM3558T
VP3439D	225	K	\$577	40		VWAM3538	48, 65	K	\$493	37	
VP3455-14	225	K	\$794	44		VWAM3542	48, 65	K	\$570	40	
VP3455D	225	K	\$794	22		VWAM3546	48, 65	K	\$591	45	
VP3458-14	225	K	\$652	38		VWAM3546T	48, 65	L1	\$591	43	
VP3458D	225	K	\$652	41		VWAM3554	48, 65	K	\$619	55	
VP3468-14	225	L1	\$723	43		VWAM3554T	48, 65	L1	\$619	55	
VP3468D	225	L1	\$723	47		VWAM3558	48, 65	K	\$763	45	

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District Offices

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VWAM3558T	48, 65	L1	\$763	51		WDGF3018AG	275	GB	\$486	30	SSGF3018AG
VWAM3611T	48, 65	L1	\$924	65		WDGF3021AG	275	GB	\$599	35	SSGF3021AG
VWAM3615T	48, 65	L1	\$1,078	90		WDGF3024AG	275	GB	\$701	40	
VWAM3710T	48, 65	L1	\$1,318	134		WDGF3026AG	275	GB	\$801	55	
VWAM3714T	48, 65	L1	\$1,503	147		WDGF3032BG	275	GB	\$1,177	87	
VWDL3504	62	K	\$413	32	CWDL3504	WDGF4015AG	275	GB	\$477	25	SSGF4018AG
VWDL3507	62	K	\$486	35	CWDL3507	WDGF4018AG	275	GB	\$486	30	SSGF4018AG
VWDL3510	62	K	\$557	39	CWDL3510	WDGF4021AG	275	GB	\$599	35	SSGF4021AG
VWDL3514	62	K	\$669	50	CWDL3514	WDGF4024AG	275	GB	\$701	40	
VWDM3538	63	K	\$452	31	CWDM3538	WDGF4026AG	275	GB	\$801	55	
VWDM3542	63	K	\$491	34	CWDM3542	WDGF4032BG	275	GB	\$1,177	87	
VWDM3546	63	K	\$526	39	VWDM3554	WDGF5013AG	275	GB	\$452	20	
VWDM3546T	63	L1	\$541	39	CWDM3546T	WDGF5015AG	275	GB	\$477	25	SSGF5018AG
VWDM3554	63	K	\$554	48	VWDM3558	WDGF5021AG	275	GB	\$599	35	SSGF5021AG
VWDM3554T	63	L1	\$568	48	CWDM3554T	WDGF5024AG	275	GB	\$701	40	
VWDM3558	63	K	\$589	41	CWDM3558	WDGF5026AG	275	GB	\$801	55	SSGF5026AG
VWDM3558T	63	L1	\$598	42	CWDM3558T	WDGF5032BG	275	GB	\$1,177	87	
VWDM3611T	63	L1	\$787	54	CWDM3611T	WDGF6015AG	275	GB	\$477	25	
VWDM3615T	63	L1	\$982	75	CWDM3615T	WDGF6018AG	275	GB	\$486	30	SSGF6018AG
VWDM3710T	64	L1	\$1,123	116	CWDM3710T	WDGF6021AG	275	GB	\$599	35	SSGF6021AG
VWDM3714T	64	L1	\$1,280	127	CWDM3714T	WDGF6024AG	275	GB	\$701	40	SSGF6026AG
W64	311	A8	\$29	1		WDGF6026AG	275	GB	\$801	55	SSGF6026AG
W70	311	A8	\$35	1		WDGF6032AG	275	GB	\$1,177	87	
W82	311	A8	\$39	1		WDM3538	62	K	\$432	30	WDM3542
WCL1406T	81	L1	\$693	83		WDM3542	62	K	\$462	32	CWDM3542
WCL1408T	81	L1	\$796	91		WDM3546T	62	L1	\$485	39	EWDM3546T
WCL1409T	81	L1	\$981	92		WDM3554T	62	L1	\$530	48	EWDM3554T
WCL1508T	81	L1	\$1,131	125		WDM3558T	62	L1	\$589	43	EWDM3558T
WCL1509T	81	L1	\$1,406	117		WDM3558TP	66	L1	\$667	45	
WCL1511T	81	L1	\$1,733	142		WDM3561TP	66	L1	\$842	63	
WCM3212T	85	L1	\$528	74		WDM3611T	62	L1	\$779	71	EWDM3611T
WCM3219T	85	L1	\$642	84		WDM3615T	62	L1	\$889	78	EWDM3615T
WCM3312T	85	L1	\$876	100	WCM3709T	WDM3710T	62	L1	\$1,110	127	EWDM3710T
WCM3314T	85	L1	\$1,182	118		WDM3714T	62	L1	\$1,181	139	EWDM3714T
WCM3709T	83	L1	\$888	108		WWL3509	123	K	\$345	33	
WCM3710T	83	L1	\$797	126		WWL3515T	123	L1	\$564	56	
WCM3711T	83	L1	\$1,062	132	WCM3713T	WWL3606	123	L1	\$721	74	
WCM3713T	83	L1	\$1,267	160		YPC144A	98	C1	\$173	19	
WCM3714T	83	L1	\$984	137		YPC1624A	98	C1	\$207	22	
WDB13H71	291	A8	\$53	3		YPC164A	98	C1	\$191	21	
WDB15H71	291	A8	\$53	4		YPC244A	98	C1	\$183	21	
WDB18H71	291	A8	\$65	6		YPC245A	98	C1	\$186	21	
WDB21H71	291	A8	\$69	6		YPC2624A	98	C1	\$232	25	
WDB24H71	291	A8	\$75	8		YPC2625A	98	C1	\$234	25	
WDB26H71	291	A8	\$85	9		YPC264A	98	C1	\$206	22	
WDB30H71	291	A8	\$94	6		YPC265A	98	C1	\$208	22	
WDB32H71	291	A8	\$110	13		YPC344A	98	C1	\$213	24	
WDGF0518AG	275	GB	\$486	30	SSGF0518AG	YPC345A	98	C1	\$216	24	
WDGF1013AG	275	GB	\$452	20		YPC3624A	98	C1	\$296	28	
WDGF1015AG	275	GB	\$477	25	SSGF1018AG	YPC3625A	98	C1	\$299	28	
WDGF1015BG	275	GB	\$477	25		YPC364A	98	C1	\$242	25	
WDGF1018AG	275	GB	\$486	30	SSGF1018AG	ZD18H201-E	207	E1	\$1,700	30	ZHH201-E
WDGF1021AG	275	GB	\$599	35		ZD18H201-W	211	E1	\$2,245	30	
WDGF1024BG	275	GB	\$701	40	SSGF1026BG	ZD18H202-E	207	E1	\$1,906	189	ZHH202-E
WDGF1513AG	275	GB	\$452	20		ZD18H202-W	211	E1	\$2,477	60	
WDGF1515AG	275	GB	\$477	25	SSGF1518AG	ZD18H203-E	207	E1	\$2,198	59	ZHH203-E
WDGF1518AG	275	GB	\$486	30	SSGF1518AG	ZD18H203-W	211	E1	\$2,835	59	
WDGF1521AG	275	GB	\$599	35	SSGF1521AG	ZD18H205-E	207	E1	\$2,453	60	ZHH205-E
WDGF1524AG	275	GB	\$701	40		ZD18H205-W	211	E1	\$3,186	60	
WDGF2013AG	275	GB	\$452	20		ZD18H207-E	207	E1	\$2,896	30	IHH207-E
WDGF2015AG	275	GB	\$477	25	SSGF2018AG	ZD18H207-W	211	E1	\$3,722	29	
WDGF2018AG	275	GB	\$486	30	SSGF2018AG	ZD18H210-E	207	E1	\$4,067	30	ZHH210-E
WDGF2026BG	275	GB	\$801	55	SSGF2526BG	ZD18H210-W	211	E1	\$5,241	28	

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ZD18H215-W	211	E1	\$6,672	28		ZD22H430-EL	214	E1	\$16,806	203	ZD22H440-EL
ZD18H220-E0	207	E1	\$5,891	60	ZHH220-E	ZD22H440-EL	214	E1	\$20,730	254	ZD22H450-EL
ZD18H225-E0	207	E1	\$8,426	63	ZHH225-E	ZD22H450-EL	214	E1	\$25,015	265	
ZD18H230-E0	207	E1	\$9,209	65	ZHH230-E	ZDM2276T	166	E2	\$4,743	282	
ZD18H240-M0	207	E1	\$12,129	90	ZHH240-M	ZDM2332T	166	E2	\$5,560	324	
ZD18H250-M0	207	E1	\$14,888	90	ZHH250-M	ZDM2333T	166	E2	\$3,588	236	
ZD18H401-E	208	E1	\$2,257	17.32	ZHH401-E	ZDM2333T-5	166	E2	\$3,588	310	
ZD18H401-W	211	E1	\$2,935	23		ZDM2334T	166	E2	\$3,762	286	
ZD18H402-E	208	E1	\$2,588	17.6	ZHH402-E	ZDM2334T-5	166	E2	\$3,762	286	
ZD18H402-W	211	E1	\$3,318	23		ZDM3581T	166	E2	\$2,236	65	
ZD18H403-E	208	E1	\$2,967	60	ZHH403-E	ZDM3581T-5	166	E2	\$2,236	64	
ZD18H403-W	211	E1	\$3,890	60		ZDM3582T	166	E2	\$2,442	69	
ZD18H405-E	208	E1	\$3,280	18.18	ZHH405-E	ZDM3584T	166	E2	\$2,304	68	ZDM3587T
ZD18H405-W	211	E1	\$4,220	30		ZDM3584T-5	166	E2	\$2,304	68	
ZD18H407-E	208	E1	\$4,686	60	ZHH407-E	ZDM3587T	166	E2	\$2,390	72	
ZD18H407-W	211	E1	\$5,269	30		ZDM3587T-5	166	E2	\$2,390	73	
ZD18H4100-E0	208	E1	\$20,641	186	ZHH4100-E	ZDM3661T	166	E2	\$2,761	109	
ZD18H410-E	208	E1	\$4,878	60	ZHH410-E	ZDM3661T-5	166	E2	\$2,761	109	
ZD18H410-W	211	E1	\$5,951	28		ZDM3664T	166	E2	\$2,658	123	
ZD18H4150-E0	208	E1	\$30,134	401		ZDM3665T	166	E2	\$2,860	125	
ZD18H4150V-E0	208	E1	\$23,065	195		ZDM3665T-5	166	E2	\$2,860	123	
ZD18H415-E	208	E1	\$5,268	30	ZHH415-E	ZDM3667T	166	E2	\$2,615	110	
ZD18H415-W	211	E1	\$6,795	60		ZDM3764T	166	E2	\$3,150	174	
ZD18H4200-E0	208	E1	\$36,253	410		ZDM3768T	166	E2	\$3,620	200	
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ZD18H425-E0	208	E1	\$7,660	60	ZHH425-E	ZDM3774T	166	E2	\$3,385	196	
ZD18H4300-E0	208	E1	\$56,354	872		ZDM3774T-5	166	E2	\$3,385	196	
ZD18H430-E0	208	E1	\$9,355	64	ZHH430-E	ZDM4100T	166	E2	\$6,395	426	
ZD18H4350-E0	208	E1	\$65,533	467		ZDM4102T	166	E2	\$7,068	476	
ZD18H4400-E0	208	E1	\$72,504	872		ZDM4103T	166	E2	\$4,391	432	
ZD18H440-E0	208	E1	\$11,266	91	ZHH440-E	ZDM4104T	166	E2	\$4,883	458	
ZD18H4450-E0	208	E1	\$85,517	880		ZDM4110T	167	E2	\$6,229	578	
ZD18H450-E0	208	E1	\$14,714	91	ZHH450-E	ZDM4111T	166	E2	\$7,908	619	
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ZD18H475-E0	208	E1	\$17,352	191	ZHH475-E	ZDM4117T	166	E2	\$8,681	654	
ZD18H501-E	209	E1	\$2,596	14	ZHH501-E	ZDM4308T	167	E2	\$9,826	780	
ZD18H502-E	209	E1	\$2,978	28	ZHH502-E	ZDM4312T	167	E2	\$11,169	823	
ZD18H503-E	209	E1	\$3,412	28	ZHH503-E	ZDM4314T	167	E2	\$7,753	808	
ZD18H505-E	209	E1	\$3,770	23	ZHH505-E	ZDM4316T	167	E2	\$8,857	842	
ZD18H507-E	209	E1	\$4,755	60	ZHH507-E	ZDM4400T-4	167	E2	\$13,631	1251	
ZD18H5100-E0	209	E1	\$24,770	205	ZHH5100-E	ZDM4403T	167	E2	\$12,906	1152	
ZD18H510-E	209	E1	\$5,300	30	ZHH510-E	ZDM4404T	167	E2	\$14,856	1172	
ZD18H5150V-E0	209	E1	\$27,679	190		ZDM4406T-4	167	E2	\$19,007	1630	
ZD18H515-E	209	E1	\$6,322	30	ZHH515-E	ZDM4407T-4	167	E2	\$21,625	2111	
ZD18H520-E0	209	E1	\$7,361	63	ZHH520-E	ZDM4409T-4	167	E2	\$14,840	1550	
ZD18H525-E0	209	E1	\$9,272	63	ZHH525-E	ZDM4410T-4	167	E2	\$16,904	1550	
ZD18H530-E0	209	E1	\$10,468	60	ZHH530-E	ZDME2511T-CI	168	E2	\$3,779	280	
ZD18H540-E0	209	E1	\$12,907	65	ZHH540-E	ZDME2524T-CI	168	E2	\$4,440	391	
ZD18H550-E0	209	E1	\$17,659	98	ZHH550-E	ZDME2528T-CI	168	E2	\$5,014	422	
ZD18H560-E0	209	E1	\$18,750	99	ZHH560-E	ZDME2532T-CI	168	E2	\$6,020	554	
ZD18H575-E0	209	E1	\$19,860	75	ZHH575-E	ZDME2536T-CI	168	E2	\$6,131	595	
ZD22H210-EL	213	E1	\$10,019	169	ZD22H215-EL	ZDME2540T-CI	168	E2	\$6,770	725	
ZD22H215-EL	213	E1	\$11,133	175	ZD22H220-EL	ZDME2544T-CI	168	E2	\$7,463	789	
ZD22H220-EL	213	E1	\$13,034	191	ZD22H225-EL	ZDME2548T-CI	168	E2	\$9,429	1072	
ZD22H225-EL	213	E1	\$15,226	175	ZD22H230-EL	ZDME2552T-CI	168	E2	\$10,270	1114	
ZD22H230-EL	213	E1	\$16,557	228	ZD22H240-EL	ZDNM2237T	166	E2	\$3,144	250	
ZD22H240-EL	213	E1	\$20,617	175	ZD22H250-EL	ZDNM2238T	166	E2	\$3,241	289	
ZD22H250-EL	213	E1	\$25,308	263		ZDNM2333T	166	E2	\$3,306	286	
ZD22H410-EL	214	E1	\$10,431	160	ZD22H415-EL	ZDNM2334T	166	E2	\$4,165	437	
ZD22H415-EL	214	E1	\$11,345	175	ZD22H420-EL	ZDNM3581T	166	E2	\$1,951	59	
ZD22H420-EL	214	E1	\$13,212	185	ZD22H425-EL	ZDNM3584T	166	E2	\$2,041	65	

NOTE: Baldor has suggested alternate products, however there may be slight differences in performance, efficiency, voltage range, dimensions and mounting. Customers should verify suitability of selected products for their specific application. Shipping weight is approximate.

Geamotors and
Gear Products

Motor
Accessories

Grinders

Generators

Servo Motors
and Controls

Mod Express

Baldor Education
Workshops

Catalog Index

Baldor
District Offices

	Catalog Number	Page Number	Mult. Sym.	List Price	Shpg. Wgt.*	Alternate
						Catalog Number
Gearmotors and Gear Products	ZDNM3661T	166	E2	\$2,407	108	
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	ZDNM3767T	166	E2	\$2,734	167	
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Grinders	ZHH201-E	192, 193	E1	\$1,489	20	ZD18H201-E
	ZHH202-E	192, 193	E1	\$1,668	20	ZD18H202-E
	ZHH203-E	192, 193	E1	\$1,924	20	ZD18H203-E
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	ZHH220-E	192	E1	\$5,158	30	ZD18H220-E0
	ZHH225-E	192, 193	E1	\$7,379	52	ZD18H225-E0
	ZHH230-E	192, 193	E1	\$8,064	20	ZD18H230-E0
	ZHH240-E	192	E1	\$10,622	52	ZD18H240-E0
	ZHH250-E	192, 193	E1	\$12,782	110	ZD18H250-M0
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	ZHH403-E	194, 195	E1	\$2,598	20	ZD18H403-E
	ZHH405-E	194, 195	E1	\$2,871	20	ZD18H405-E
	ZHH407-E	194, 195	E1	\$4,103	20	ZD18H407-E
	ZHH4100-E	194, 195	E1	\$19,663	110	
	ZHH410-E	194	E1	\$4,271	20	ZD18H410-E
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	ZHH415-E	194, 195	E1	\$4,613	30	ZD18H415-E
	ZHH420-E	194, 195	E1	\$5,239	30	ZD18H420-E0
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	ZHH440-E	194, 195	E1	\$9,866	55	ZD18H440-E0
	ZHH450-E	194, 195	E1	\$12,887	55	ZD18H450-E0
Baldor Education Workshops	ZHH460-E	194, 195	E1	\$14,885	110	ZD18H460-E0
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	ZHH507-E	196, 197	E1	\$4,164	20	ZD18H507-E
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	ZHH510-E	196	E1	\$4,642	20	ZD18H510-E
	ZHH5125-E	196, 197	E1	\$26,267	110	
	ZHH515-E	196, 197	E1	\$5,536	30	ZD18H515-E
	ZHH520-E	196, 197	E1	\$6,446	30	ZD18H520-E0
	ZHH525-E	196, 197	E1	\$8,119	30	ZD18H525-E0
	ZHH530-E	196, 197	E1	\$9,167	60	ZD18H530-E0
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	ZHH550-E	196, 197	E1	\$15,465	60	ZD18H550-E0
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	ZHH575-E	196, 197	E1	\$18,919	110	ZD18H575-E0
	ZHH601-E	192, 193	E1	\$1,489	20	
	ZHH602-E	192, 193	E1	\$1,668	20	
	ZHH603-E	192	E1	\$1,924	20	



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Fax: +504 554-1995
Email: imferra@imferra.com

Equipos y Controles

Blvd. Morazán, contiguo Centro
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Email: eqycosa@yahoo.com

JAMAICA**Lawrence Electrical & Hardware**

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Fax: +876 937-2378

National Supply Co. Ltd.

60 Constant Spring Road
Kingston 10, Jamaica, W.I.
Tel: +876 969-6377
Fax: +876 969-6382
Email: dmcs@cwjamaica.com

Crooks Greve Co. Ltd.

110 Hagley Park Road,
Kingston 11, Jamaica, W.I.
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NICARAGUA**Compañía de Productos****Atmosféricos**

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Email: copa@alianza.com.ni

Sinter S.A.

Rotonda del Periodista
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MÉXICO**Baldor de México SA de CV**

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PANAMA**Electricidad Castellanos, S.A.**

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PERU**Precisión Perú**

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TRINIDAD & TOBAGO**Industrial Electrical Motor**

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Fax: +868 627-6233
Email: iemar@carib-link.net

IAL Engineering Services Ltd.

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Email: ishadrack@ial-trinidad.com

Equipment & Supply (W.I.) Ltd.

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URUGUAY**Negri, Quartino & Ferrario**

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VENEZUELA**Motores Baldor**

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Centro Comercial Ind. MO-CA II
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