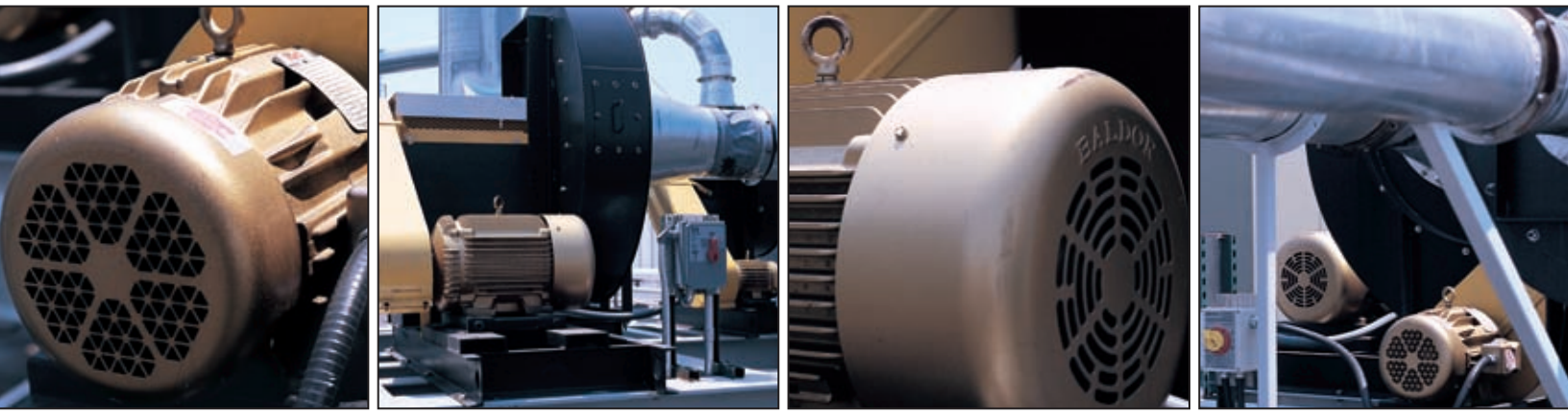
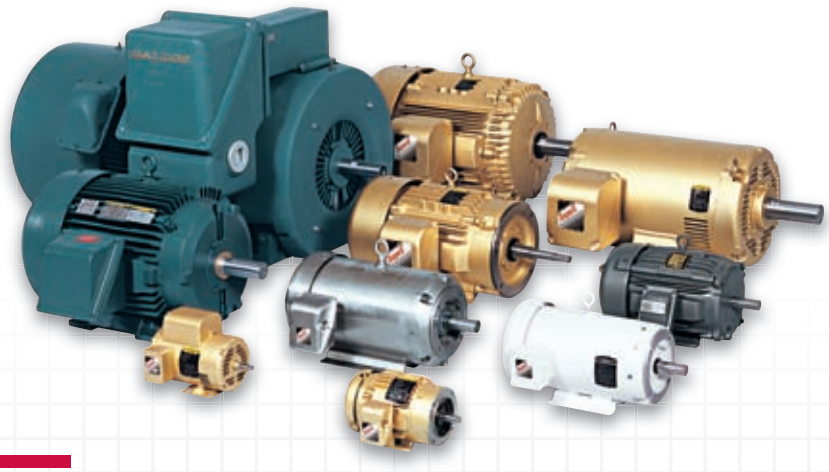
BALDOR • RELIANCE

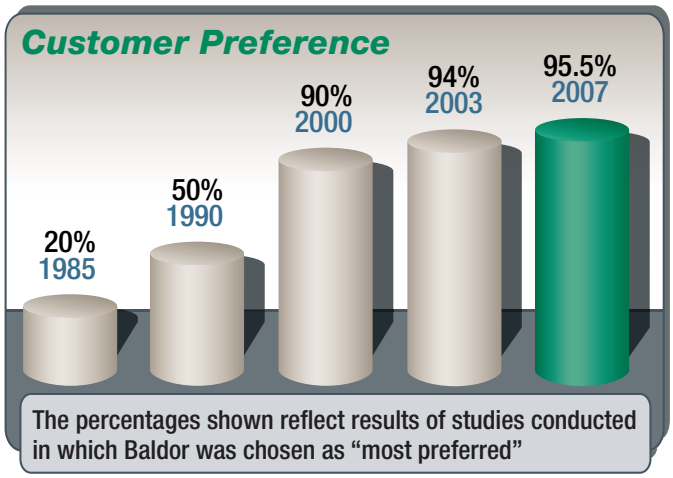


Super-E® Premium Efficient Motors



BALDOR®

Why Baldor?



For nearly 100 years, Baldor has strived to provide customers with the best value and reliability in industrial electric motors. That dedication shows in customer preference for Baldor•Reliance motors. To be considered as the most preferred...

Baldor offers the industry's broadest line of stock products. Save valuable time with just one call to Baldor. We offer more than 10,000 stock motors, drives and gearboxes.

Energy-efficiency leader. We began lowering the energy consumption of our motors in the 1920s, long before others were even talking about it. Today, our expansive line of Super-E® premium-efficient motors ranges from 1 through 15,000 Hp. Baldor's Super-E® line offers customers the highest overall efficiency levels in the industry.

Baldor products are available at more locations than any other brand. Our 35 district offices across North America and offices around the world, offer immediate availability of Baldor products to thousands of customers.

Continuous innovation to improve reliability. Baldor leads the motor industry in applying new technologies to improve motor reliability. Recent improvements to the line of Severe Duty motors are further proof that Baldor is the leader in motors for process industry applications. These improvements are explained in detail in the following pages.

Industry's shortest lead times/Flexible manufacturing. Baldor has the industry's shortest lead times on custom motors – just ten working days. Our unique LEAN FLEX FLOW™ manufacturing process lets us produce any order in any quantity, quickly and efficiently.

Industry's best information. Only Baldor offers customers so many choices for product information with a wide variety of catalogs and product brochures, the Baldor Web site at www.baldor.com, or you may talk to a Baldor customer service person at one of our sales offices.

Table of Contents

The Baldor Super-E®

In the mid-70s, a southeastern tire manufacturing plant asked Baldor to increase their plant's operating efficiencies. After analyzing the efficiencies of the plant's 75 Hp motors, Baldor engineers determined that considerable energy savings could be gained from a motor design focused on "active materials." By adding more copper to the windings, upgrading the laminations to a premium-grade steel, designing precision air gaps between the rotor and stator, and reducing fan and other losses in the motor, Baldor was able to supply the plant with the premium efficient motors it needed. This was the birth of the Baldor Super-E®.

Over 1,000 Stock Motor Ratings

Today's line of Baldor Super-E motors offers customers some from the highest levels of efficiencies, in ratings of 1 to 15,000 horsepower. Baldor has ratings available immediately from stock, with non-stock motors with the industry's shortest load times. All Super-E motors (except Explosion-Proof) are also "Inverter-Ready".

The Right Premium Efficient Motor for your Application

Whether it's a premium efficient motor for harsh, outdoor conditions at a petro-chemical plant, or for continuous duty in a distribution center, Baldor offers customers a variety of choices.

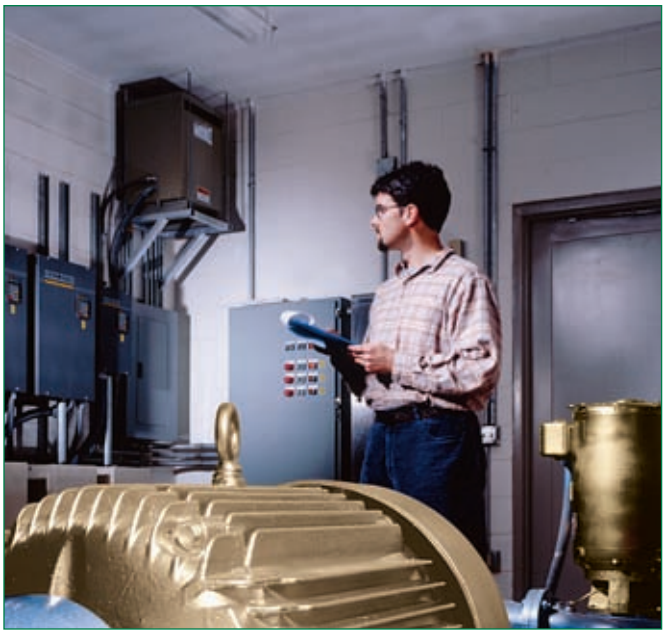
Super-E Totally Enclosed Fan Cooled (TEFC) and Open Drip Proof (ODP) are reliable motors that have kept plants operating efficiently since their introduction in 1983. Explosion-Proof, Close Coupled Pump and Automotive Approved Super-E's deliver premium efficiency for special applications.

In applications requiring added protection from corrosion caused by severe environmental operating conditions, Baldor•Reliance Super-E Severe Duty motors are available in TEFC ratings from 1 through 2250 Hp. Cast-iron construction, epoxy primer and finish paint inside and out, gaskets on all joints and many other features provide added protection where and when you need it most.

For the ultimate in protection from severe environments – where you need added insurance against downtime – Baldor offers IEEE 841 motors. Delivering reliable, rugged performance with the industry's highest energy efficiencies, these motors exceed IEEE 841 - 2001 standards for severe duty TEFC induction motors. Inpro/Seal® bearing isolators at both the drive end and fan end. Baldor IEEE 841 motors are available immediately off the shelf, in 1 - 250 Hp ratings, with special designs available as custom motors.

Leadership in Premium Efficiency

Called a "key breakthrough" by the Consortium for Energy Efficiency, the CEE in 1998 recognized Baldor's Super-E as the first premium efficient motor line to meet their stringent efficiency criteria, citing "For the first time, one manufacturer will carry all qualifying products."



A Baldor Super-E motor and Inverter Control provide premium energy efficiency and improved process control to a municipal water treatment facility.

Minimum Efficiency Performance Standards (MEPS) for electric motors are becoming commonplace throughout the world. The first of these was the Energy Policy Act of 1992 (EPAct) that mandated efficiency levels for 1-200 Hp general purpose motors for sale in the U.S. after October 1997. The Energy Independence and Security Act of 2007 (EISA) builds upon EPAct and raises the efficiency level for these motors to NEMA Premium® efficiency and adds other configuration and 201-500 Hp ratings for MEPS compliance. Baldor•Reliance Super-E motors manufactured today meet or exceed EISA requirements.

As countries and regions across the world establish minimum efficiency levels for motors, more companies are turning to the Baldor•Reliance Super-E. This includes plant and processing applications, as well as OEM products for shipment overseas. Super-E motors meet or exceed the efficiency levels defined by NEMA Premium®, EPAct in the U.S., NRC in Canada, and CEMEP EFF1 in Europe, and the new IE3 level of IEC 60034-30.

A wide selection of premium efficient motors, available from stock, manufactured and sold by a company committed to building better products for industries worldwide. No wonder, since the 1920s, Baldor•Reliance is recognized as the leader in energy efficient industrial motors and drives.

Green catalog numbers in this brochure denote motors that meet or exceed NEMA Premium® Efficiency.

ENERGY STAR PARTNER

NEMA Premium®

Going Beyond the Industry Standard in Premium Efficient Motors

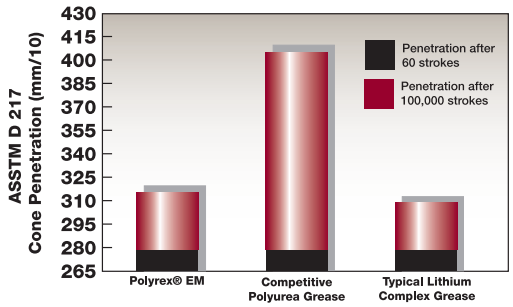
Baldor's Super-E® motors are another example of our commitment to provide reliable performance, while exceeding customer expectations.

Standard on All Baldor Motors: Exxon Polyrex® EM Polyurea Grease

It's a fact: Bearing failure is the #1 mechanical reason for motor failure. So the better the grease protecting those bearings, the better and longer the motor performs.

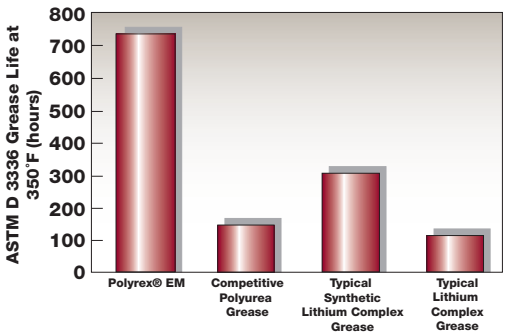
Today, that better grease is Exxon's new Polyrex® EM polyurea grease – now standard on all Baldor•Reliance motors. It provides lubrication life of more than four times greater than other polyurea greases in tests up to 350°F. It exhibits greater durability when subjected to mechanical shearing forces. Furthermore, a specially formulated additive in the grease resists washout, rust and corrosion even when subjected to salt water conditions.

Excellent Shear Stability



As illustrated here, the proprietary polyurea thickener system in Polyrex EM exhibits excellent durability and stability when subjected to a mechanical shearing force. Mechanical shear stability is a measurement of the greases thickener system. Good mechanical shear stability is important in roller bearing applications where excessive grease softening may lead to grease leakage or purging from the bearing.
Source: Exxon Mobil Product Data Sheet DG-3C, 6/15/99.

Outstanding High-Temperature Lubrication Life



In the severe ASTM D 3336 High-Temperature Grease Life Test, Polyrex EM dramatically out performed a competitive polyurea grease and conventional lithium-complex greases.

Source: Exxon Mobil Product Data Sheet DG-3C, 6/15/99.

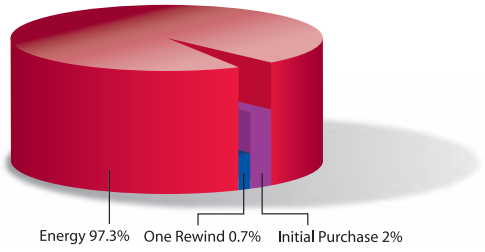
Making Energy Efficiency Work For You

Why is Energy Efficiency Important?

Electric motor-driven systems used in industrial processes consume 63% of all electricity used in U.S. industrial sector according to a U.S. Department of Energy report published in 1998. A 2002 report shows that companies that practiced DOE "best practices" actually averaged 33 percent savings if they were to apply motor and motor system efficiency upgrades, including the use of adjustable speed drives. The potential positive impacts on companies' bottom lines and the environment are significant.

Purchase Price is Only a Small Piece of the Pie

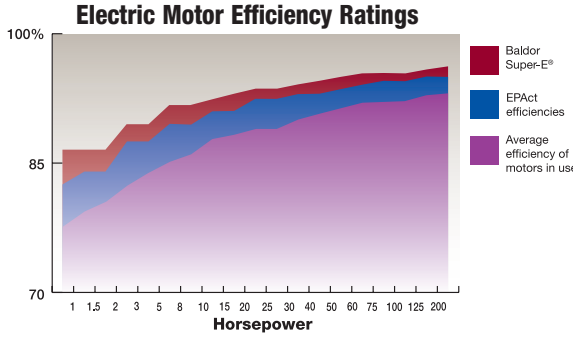
The pie chart to the right shows the typical life cycle cost of a 100 Hp motor operating in continuous duty over a 20-year life. As you can see, the original purchase price is almost insignificant compared to what it will cost to power the motor during its useful life.



How Baldor Super-E® Efficiencies Compare to Industry Standards

Baldor's line of Super-E motors offers customers the highest level of overall efficiencies available from any motor manufacturer, meeting or exceeding NEMA Premium® efficiency.

Electric Motor Efficiency Ratings

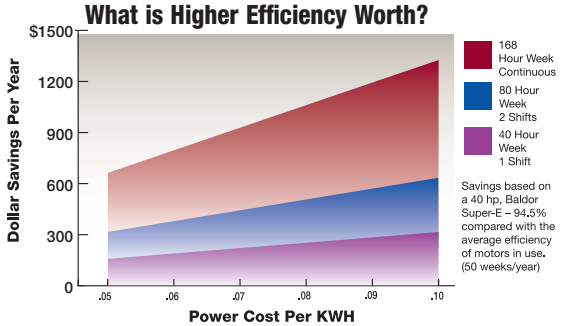


BE$T™ Baldor Energy Savings Tool Makes Calculating Payback Easy

In order to make payback calculations easier for customers, Baldor developed BE$T, Baldor Energy Savings Tool. The software helps calculate energy cost and energy savings for motors, as well as payback time frames. A popular feature of BE$T is that it allows users to make head-to-head comparisons of up to three motors, giving customers the information to make an informed decision through comparative analysis.

BE$T, Baldor Energy Savings Tool is available as a download through Baldor's award-winning Web site (www.baldor.com/support/software_BEST.asp,) as well as a stand-alone CD-ROM, available from your Baldor District Office.

What is Higher Efficiency Worth?



Super-E® Premium Efficiency Motor Construction

The family of Baldor • Reliance Super-E TEFC (Totally-Enclosed Fan-Cooled) motors shares a number of electrical and mechanical features that add up to outstanding value. "EM" motors are general-purpose premium efficient motors. For more severe environmental applications, our "ECP/XEX" Severe Duty motors provide added weather and chemical protection. For extreme applications, where downtime is critical, Baldor "841XL" motors are ideal; these motors exceed IEEE 841-2001 specifications.

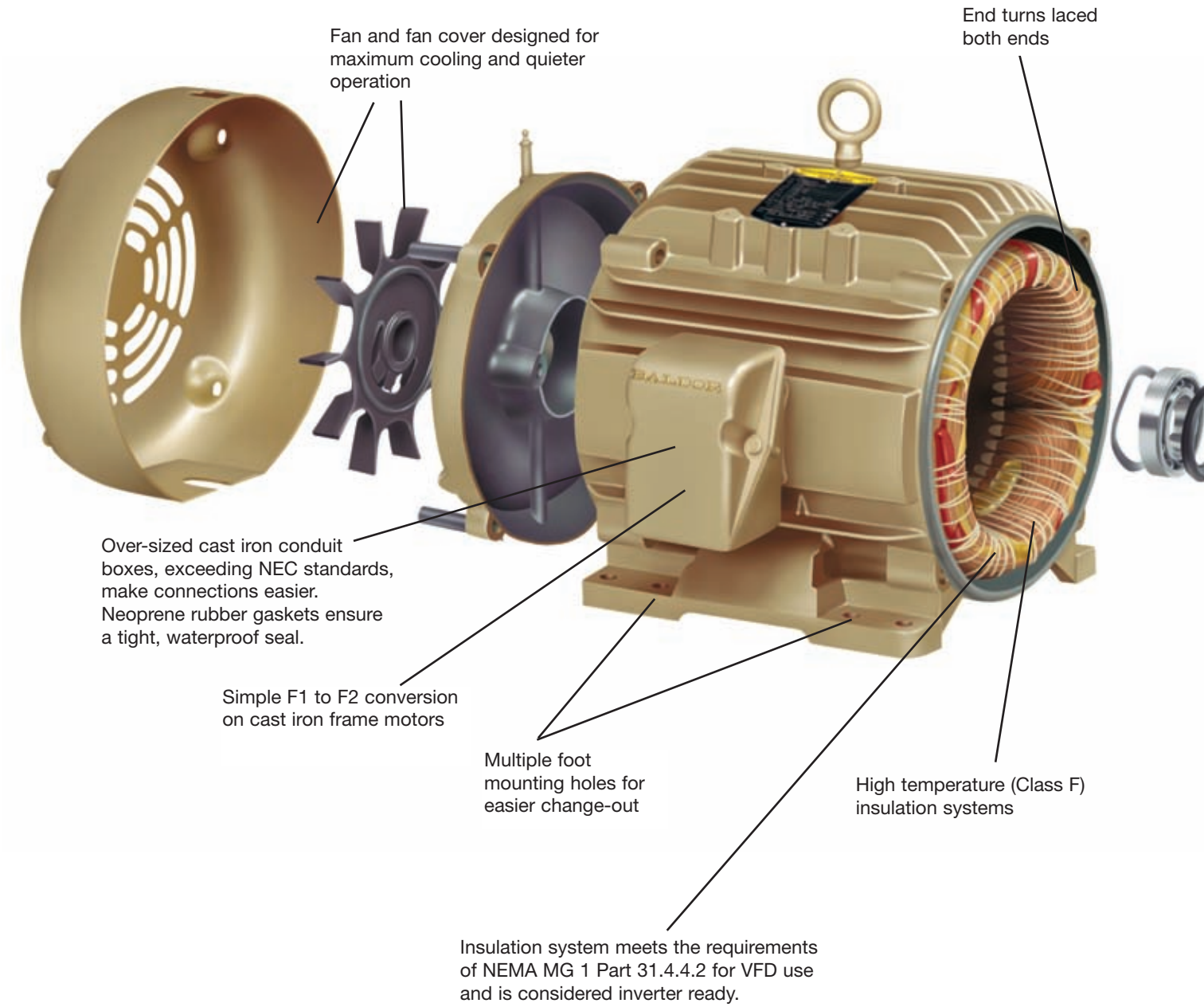
The chart below lists standard features ("S") in Baldor's TEFC Premium Efficient motors. Horsepower ranges indicate where certain features are standard in stock products. Additional features optional ("O") on custom motors, or through Baldor's Mod-Express.

TEFC Premium Efficiency Motor Family

Electrical Features	**EM / XE**	**ECP/XEX**	**841XL**
Hp Range - Stock	1-1000	1-1000	1-250
Class F insulation with Class B rise	S	S	S
1.15 Service factor	S	S	S
200°C Inverter Spike Resistant insulation system	S	S	S
Phase insulation	S	S	S
Corona inception testing - meets NEMA Part 31.4.4.2	S	S	S
Varnish dip & bake with 100% solids	S	S	S
No silicone lead wire		S	S
Documented final motor tests - data shipped with motor	O	O	S
Mechanical Features			
NEMA Frame sizes	143T - 449T	143T - 449T	143T - 449T
Steel Band Frame Die cast aluminum endplates, steel fan cover	S 143T - 215T		
Cast iron frame - cast iron endplates & fan cover (steel fan cover standard on EM/XE 140-280T)	O 143T - 286T S 324T - Up	S	S
Die cast aluminum conduit box	S thru 360T		
Cast Iron conduit box	S 400T - up	S	S
Threaded inlet hole in conduit box		S	S
Neoprene conduit box lid gasket & lead separator gasket		S	S
Seal endplate to frame joints		S	S
V-ring shaft seals - DE & ODE (except some 440 frame)	S 250T - up DE only	S	
Inpro/Seal® VBX or VBXX bearing isolators - DE and ODE			S
Hardware - zinc plated	S	S	S
Motor unfiltered vibration at rated voltage and frequency <0.15 in/sec peak velocity	S	S	
Motor unfiltered vibration at rated voltage and frequency <0.08 in/sec peak velocity			S
Test vibration on DE & ODE and document - ship with motor			S
Low bearing temperature specs (IEEE 841)			S
Foot flatness to < NEMA tolerances (0.005"/ft.)			S
Shaft runout < NEMA			S
Sound power level < 90 dBA			S
Grease inlet fitting - grease fitting	S		
Grease inlet with tube extension & grease fitting		S	S
Grease outlet with screw-in plug	S		
Grease outlet with automatic relief fitting	S 250T - up		
Grease outlet with tube extension & automatic relief fitting		S	S
Non-metallic external cooling fan	S	S	S
Casting coated with water base primer	S		
Castings coated with 2-part epoxy primer and epoxy finish coat		S	S
Finish paint with gold enamel	S		
Finish paint with 2-part dark gray epoxy		S	S
ASTM B117-90 96-hour salt spray test compliance		S	S
Laser etched aluminum nameplate with NEMA data	S		
Embossed Stainless steel nameplate with NEMA data		S	S
Stainless steel nameplate with bearing and grease data		S	S
Limited Warranty	3 year	3 year	5 year

Note: Contact your Baldor District Office for certified data, dimensions and features of a specific motor.

Baldor Super-E®: Premium efficiency inside and out

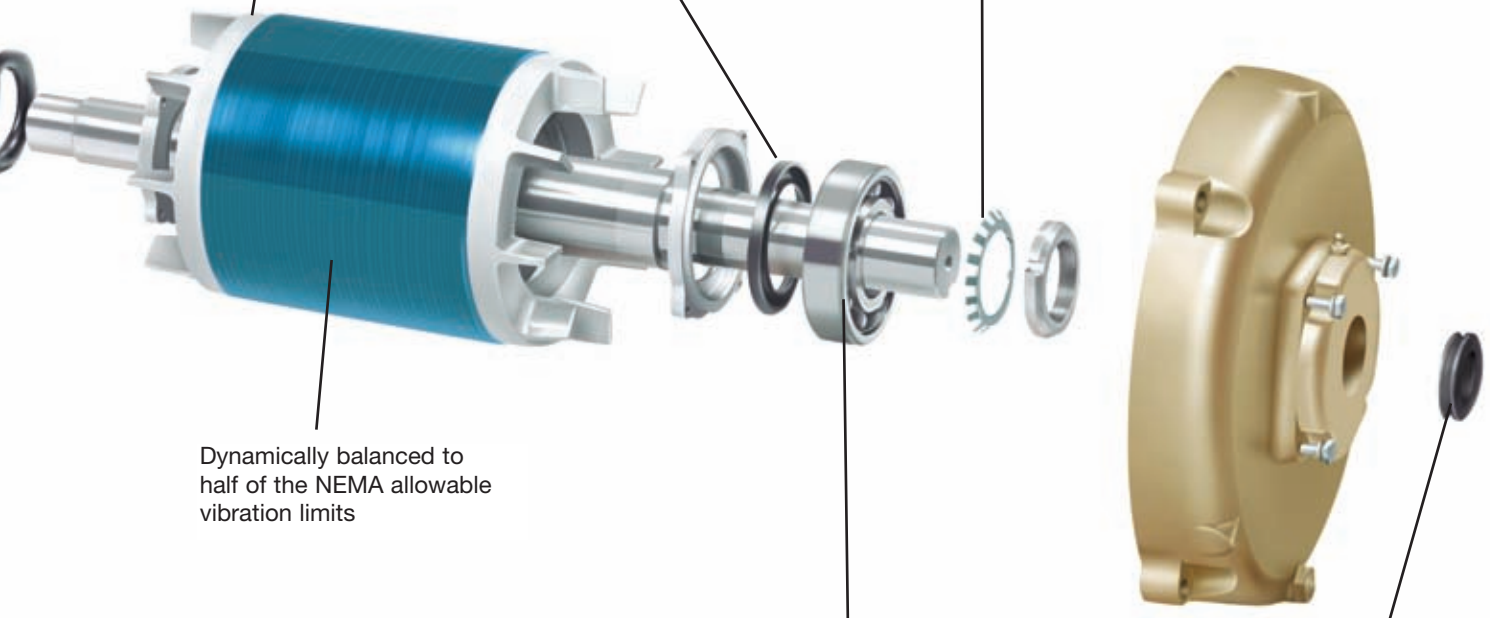


NEMA Premium

High-pressure die cast aluminum rotor through 449T frames coated to prevent corrosion

Patented Lube-Lok retainer grease seal on both ends, 250T frame and up

Locked bearing construction reduces endplay



Dynamically balanced to half of the NEMA allowable vibration limits

Baldor was the first motor manufacturer to use Exxon Polyrex® EM grease. Polyrex® EM protects motor bearings better, providing improved lubrication life, greater shear stability, and superior resistance to washout, rust and corrosion.

Neoprene v-ring rubber shaft slinger on pulley end of motor prevents contaminants from entering

TEFC - Super-E® Capabilities

Three Phase

Three Phase - Typical Frame Size / Speed - RPM				
Hp	**3600**	**1800**	**1200**	**900**
1	56	56, 143T or 182	56 or 145T	182T
1.5	143T	56, 145T or 184	145T or 182T	184T
2	145T	56, 145T or 184	184T	213T
3	145T, 182T or 184	182T or 213T	213T	215T
5	184T	184T or 215T	215T	254T
7.5	184T or 213T	213T	254T	256T
10	215T	215T	256T	286T
15	254T	254T	284T	286T
20	256T	256T	286T	324T
25	284TS	284T	324T	326T
30	286TS	286T	326T	364T
40	324TS	324T	364T	365T
50	326TS	326T	365T	404T
60	365TS	364T	404T	405T
75	365TS	365T	405T	444T
100	405TS	405T	444T	445T
125	444TS	444T	445T	447T
150	447TS or 449T*	445T or 449T*	447T or 449T*	449T or 5008*
200	447TS or 449T*	447T or 449T*	449T or 5008*	5008*
250	449TS or 5008*	449T or 5008*	449TY or 5008*	5010*
300	449TS or 5008*	449TY or 5008*	449TY or 5010*	5010*
350	449TS or 5008*	449TY or 5008*	5010*	5012*
400	449TS or 5010*	5008*	5012*	5012*
450	5010*	5010*	5012*	5012*
500	5010*	5010*	5012*	5012**
600	5010*	5012*	5012**	5800*
700	5800*	5012*	5800*	5800*
800	5800*	5012*	5800*	G500S**
900	5800***	5012**	G500S**	G500S**
1000	G500M***	5800*	G500S**	G500S**
1250	G500M***	5800*	G500S**	G500M**
1500	G500M***	G500M**	G500M**	G500M**
1750	•	G500M**	G500M**	•
2000	•	G500M**	•	•
2250	•	G500M**	•	•

NOTE: Shaded area denotes product scope of NEMA Premium® efficiency motor program.

• Rating available in other enclosure

* Medium Voltage (2300 or 4000V)

** Medium Voltage (2300 or 4000V), Fabricated Copper Bar Rotor required.

*** Medium Voltage (2300 or 4000V), Sleeve Bearings and Fabricated Copper Bar Rotor required.

Motors listed with catalog numbers in this brochure are available from stock. Contact Baldor for lead times on non-stock motors.

Performance data is subject to change. Drawings shown are for reference only. Please contact Baldor for current performance data or a detailed drawing on the specific motor you require. Data and drawings may be available from our website at www.baldor.com.

Premium Efficiency in Metric Frames

Baldor Super-E® motors are available in IEC frames 63 through 500 with base, B5 flange or B14 C-face. Motors can be supplied for 50 or 60 Hz operation. Contact your Baldor•Reliance District Office for more information.

TEFC Super-E® Premium Efficient Motors

NEMA Premium®

Baldor • Reliance Super-E TEFC motors meet or exceed NEMA Premium® efficiency in your choice of steel-band or cast iron frame, ideal for tough industrial applications. The TEFC enclosure protects the motor from harsh environments because air does not pass freely through the motor. An external shaft-driven fan circulates air over the frame housing. Class F insulation, a 1.15 Service Factor and Exxon Polyrex®EM grease are some of these motors' standard features. Super-E motors have an insulation system that meets the requirements of NEMA MG1 Part 31.4.4.2 for VFD use and are considered Inverter Ready. TEFC motors are available in single or three phase, rigid base or C-Face (with or without base).

TEFC - Totally Enclosed Fan Cooled - Foot Mounted, 230/460 Volts, Three Phase, 1 - 7.5 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps @ 460 V ①		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		Volt Code	"C" Dim.	Conn. Diag. No.
					Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE			
F1 Mount																		
1/2	0.37	1750	56	**EM3538**	0.8	6.3	1.5	76.6	80.8	82.5	54	67	72	6205	6203	F	12.23	CD0005
1	0.75	3450	56	**EM3545**	1.4	12.1	1.5	88.5	83.6	84.0	65	77	82	6205	6203	F	12.25	CD0005
	0.75	1750	56	**EM3546**	1.4	14	3.0	83.8	86.2	86.5	58	72	78	6205	6203	E	13.23	CD0005
	0.75	1750	143T	**EM3546T**	1.4	14	3.0	83.8	86.2	86.5	58	72	78	6205	6203	E	13.31	CD0005
	0.75	1765	143T	**EM3581T**	1.5	15	3.0	84.4	87.0	87.5	48	60	70	6205	6203	E	12.53	CD0005
	0.75	1150	56	**EM3556**	1.8	9.9	4.5	80.1	82.9	82.5	42	54	63	6205	6203	E	13.23	CD0005
	0.75	1150	145T	**EM3582T**	1.8	9.6	4.5	82.3	84.0	82.5	42	55	63	6205	6203	F	12.53	CD0005
1 1/2	1.1	3450	56	**EM3550**	2.0	20.1	2.3	81.3	84.3	85.5	68	78	83	6205	6203	E	13.25	CD0005
	1.1	3450	143T	**EM3550T**	2.0	20.1	2.3	81.3	84.3	85.5	68	78	83	6205	6203	E	13.31	CD0005
	1.1	3450	143T	**EM3583T**	2.0	20.1	2.3	81.3	84.3	85.5	68	78	83	6205	6203	E	12.53	CD0005
	1.1	1760	56	**EM3554**	2.1	19.7	4.5	86.3	88.2	88.5	55	68	76	6205	6203	E	14.10	CD0005
	1.1	1740	145T	**EM3554T**	2.0	16.8	4.5	86.4	87.6	86.5	61	73	80	6205	6203	F	13.31	CD0005
	1.1	1760	145T	**EM3584T**	2.1	16.8	4.5	86.3	88.2	88.5	55	68	76	6205	6203	E	12.53	CD0005
	1.1	1170	182T	**EM3667T**	2.6	14.7	6.8	86.0	88.3	87.5	41	53	61	6206	6205	E	15.24	CD0005
2	1.5	3450	56	**EM3555**	2.5	30	3.0	83.8	86.2	86.5	70	80	85	6205	6203	E	14.12	CD0005
	1.5	3450	145T	**EM3555T**	2.5	30	3.0	83.8	86.2	86.5	70	80	85	6205	6203	E	14.19	CD0005
	1.5	3450	145T	**EM3586T**	2.5	30	3.0	83.8	86.2	86.5	70	80	85	6205	6203	E	12.53	CD0005
	1.5	1760	56	**EM3558**	2.7	27.1	6.0	88.0	89.4	88.5	56	68	76	6205	6203	E	14.12	CD0005
	1.5	1725	145T	**EM3558T**	2.7	19.6	6.0	87.9	88.3	86.5	64	76	82	6205	6203	E	14.19	CD0005
	1.5	1725	145T	**EM3587T**	2.7	20.8	6.0	87.3	88.2	86.5	65	77	82	6205	6203	E	12.53	CD0005
	1.5	1170	184T	**EM3664T**	3.5	20.9	9.0	86.7	88.6	88.5	41	52	61	6206	6205	E	15.24	CD0005
3	2.2	3500	182T	**EM3610T**	3.5	37.7	4.5	88.6	89.7	89.5	77	86	91	6206	6205	F	16.55	CD0005
	2.2	3500	182T	**EM3660T**	3.5	37.6	4.5	87.9	89.6	89.5	73	84	89	6206	6205	F	15.24	CD0005
	2.2	1760	182T	**EM3611T**	4.1	32	9.0	89.1	90.0	89.5	58	71	77	6206	6205	E	16.55	CD0005
	2.2	1760	182T	**EM3661T**	4.0	32	9.0	89.1	90.0	89.5	58	71	80	6206	6205	E1	15.24	CD0005
	2.2	1165	213T	**EM3704T**	4.5	33.1	13.5	89.2	90.3	90.2	51	63	70	6307	6206	E1	19.02	CD0005
	2.2	1165	213T	**EM3764T**	4.5	33.1	13.5	89.2	90.3	90.2	51	63	70	6307	6206	E1	18.45	CD0005
5	3.7	3470	184T	**EM3613T**	5.6	59.3	7.6	91.0	91.0	90.2	83	90	94	6206	6205	F	16.55	CD0005
	3.7	3490	184T	**EM3663T**	5.7	64.8	7.5	89.7	90.8	90.2	76	85	90	6206	6205	F	15.24	CD0005
	3.7	1750	184T	**EM3615T**	6.5	54	15	89.7	90.7	90.2	62	74	80	6206	6205	E1	16.55	CD0005
	3.7	1750	184T	**EM3665T**	6.5	54	15	89.7	90.7	90.2	62	74	80	6206	6205	E1	15.24	CD0005
	3.7	1160	215T	**EM3708T**	7.2	51.2	22.8	90.7	91.1	90.2	55	66	72	6307	6206	E1	19.77	CD0005
	3.7	1160	215T	**EM3768T**	7.3	51.9	22.8	90.3	91.0	90.2	54	65	72	6307	6206	E1	18.45	CD0005
7 1/2	5.6	3525	213T	**EM3709T**	8.9	75	11.2	88.0	89.8	91.0	75	84	87	6307	6206	F	17.89	CD0005
	5.6	3525	213T	**EM3769T**	8.6	75	11.2	88.0	89.8	91.0	75	84	90	6307	6206	E1	18.45	CD0005
	5.6	1770	213T	**EM3710T**	9.4	71.6	22.2	91.8	92.4	91.7	62	75	81	6307	6206	E1	19.02	CD0005
	5.6	1770	213T	**EM3770T**	9.5	68	22.2	91.6	92.3	91.7	65	76	81	6307	6206	F	18.45	CD0005
	5.6	1180	254T	**EM2276T**	10.7	70.1	33.3	90.6	91.8	91.7	53	65	71	6309	6208	E1	23.16	CD0005

NOTE: ① Amps at 460V - double for 230V.

Shaded ratings are cast iron frames.

See page 52 for Layout drawing. See page 75 for Connection Diagrams.

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

TEFC Super-E® Premium Efficient Motors

NEMA Premium®

TEFC - Totally Enclosed Fan Cooled - Foot Mounted, 230/460 Volts, Three Phase, 10 - 200 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps 460 @ V ①		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		Volt Code	"C" Dim.	Conn. Diag. No.
					Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE			
	7.5	3500	215T	**EM3711T**	11.2	120	15	92.7	92.9	91.7	82	89	92	6307	6206	E1	19.02	CD0005
	7.5	3500	215T	**EM3771T**	11.2	120	15	92.7	92.9	91.7	82	89	92	6307	6206	E1	18.45	CD0005
10	7.5	1770	215T	**EM3714T**	12.5	93.8	29.9	92.6	93.0	92.4	67	77	82	6307	6206	F	20.52	CD0005
	7.5	1760	215T	**EM3774T**	12.5	88.5	29.8	92.9	93.1	92.4	67	78	82	6307	6206	F	18.45	CD0005
	7.5	1180	256T	**EM2332T**	14.2	93	44.4	90.2	91.6	91.7	55	66	72	6309	6208	E1	23.16	CD0180
	11.2	3525	254T	**EM2394T**	17.2	128	22.2	90.8	91.9	91.7	78	86	88	6309	6208	E1	23.16	CD0180
15	11.2	1765	254T	**EM2333T**	18.5	123	44.6	91.9	92.6	92.4	66	77	82	6309	6208	E1	23.16	CD0005
	11.2	1180	286T	**EM4100T**	19.7	130	66.7	91.9	93.0	93.0	59	70	77	6311	6309	E1	27.76	CD0180
	14.9	3540	256T	**EM4106T**	23.0	201	29.7	91.1	92.3	92.4	74	84	89	6309	6208	E1	23.16	CD0180
20	14.9	1765	256T	**EM2334T**	24.0	175	59	92.8	93.1	93.0	69	80	84	6309	6208	E1	23.16	CD0005
	14.9	1175	286T	**EM4102T**	26.0	172	89	92.5	93.3	93.0	61	72	78	6311	6309	F	27.76	CD0005
	18.7	3530	284TS	**EM4107T**	28.0	236	37.2	93.0	93.5	93.0	82	89	91	6311	6309	E1	24.59	CD0180
25	18.7	1770	284T	**EM4103T**	30.0	188	74.2	92.4	93.6	93.6	72	81	84	6311	6309	E1	27.76	CD0005
	18.7	1180	324T	**EM4111T**	32.0	248	111	91.9	92.9	93.0	61	73	79	6312	6309	F	30.39	CD0005
	22.4	3520	286TS	**EM4108T**	33.0	281	44.7	93.2	93.5	93.0	83	89	92	6311	6208	E1	24.59	CD0180
30	22.4	1770	286T	**EM4104T**	36.0	246	89.0	93.8	94.4	94.1	66	75	83	6311	6309	E1	27.76	CD0005
	22.4	1180	326T	**EM4117T**	39	285	134	92.4	93.2	93.0	61	72	79	6312	6311	E1	30.28	CD0005
	30	3540	324TS	**EM4109T**	45.0	286	59.5	93.9	94.4	93.6	82	88	90	6312	6311	E1	28.78	CD0005
40	30	1775	324T	**EM4110T**	46.0	320	118	93.9	94.6	94.5	73	81	86	6312	6311	E1	30.28	CD0180
	30	1185	364T	**EM4308T**	50.5	355	177	93.3	94.3	94.1	62	73	79	6313	6312	F	32.84	CD0005
	37	3540	326TS	**EM4114T**	54.0	422	74	93.8	94.4	94.1	85	90	92	6312	6311	E1	28.90	CD0005
50	37	1775	326T	**EM4115T**	58.0	425	148	94.9	95.2	95.0	74	83	86	6312	6311	E1	30.28	CD0180
	37	1185	365T	**EM4312T**	61	409	221	93.8	94.3	94.1	67	77	81	6313	6312	E1	32.84	CD0005
	45	3550	364TS	**EM4310T**	68.0	398	88.8	93.1	94.2	94.1	81	87	88	6313	6312	F	30.72	CD0180
60	45	1780	364T	**EM4314T**	69.0	447	177	94.7	95.2	95.0	74	82	86	6313	6312	E1	32.84	CD0180
	45	1185	404T	**EM4403T**	72.5	455	265	94.0	94.7	94.5	69	78	83	6316	6313	F	38.06	CD0180
	56	3550	365TS	**EM4313T**	83.0	488	111	93.5	94.8	94.5	83	88	89	6313	6312	F	30.72	CD0180
75	56	1780	365T	**EM4316T**	86.5	649	222	94.9	95.5	95.4	73	81	85	6313	6312	E1	32.84	CD0005
	56	1185	405T	**EM4404T**	88.0	579	331	94.3	95.1	95.0	72	80	84	6316	6313	E1	38.06	CD0180
100	74.6	1780	405T	**EM4400T**	109	790	295	95.2	95.6	95.4	83	89	90	6316	6313	E1	38.06	CD0180
125	93.2	1780	444T	**EM4410T-4**	139	960	399	95.1	95.5	95.4	80	86	88	6319	6314	G1	44.24	CD0006
150	112	1785	445T	**EM4406T-4**	173	1070	442	95.6	96.0	95.8	71	80	85	6319	6314	G1	44.24	CD0006
200	149	1785	447T	**EM4407TR-4**	225	1530	588	95.8	96.3	96.2	77	84	87	NU319	6314	G1	44.24	CD0006
F2 Mount																		
15	11.2	1765	254T	**EFM2333T**	18.5	123	44.6	91.9	92.6	92.4	66	77	82	6309	6208	E1	23.16	CD0005
20	14.9	1765	256T	**EFM2334T**	24.0	175	59	92.8	93.1	93.0	69	80	84	6309	6208	E1	23.16	CD0005
25	18.7	1770	284T	**EFM4103T**	30.0	188	74.2	92.4	93.6	93.6	72	81	84	6311	6309	E1	27.76	CD0005
30	22.4	1770	286T	**EFM4104T**	36.0	246	89	93.8	94.4	94.1	66	75	83	6311	6309	E1	27.76	CD0005

NOTE: ① Amps at 460V - double for 230V. G1: 460V Y/Δ

Shaded ratings are cast iron frames.

See page 52 for Layout drawing. See page 75 for Connection Diagrams.

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

TEFC - Totally Enclosed Fan Cooled - Foot Mounted, 200 Volts, Three Phase, 1 - 50 Hp

NEMA Premium

Hp	kW	RPM	Frame	Catalog No.	Amps		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		"C" Dim.	Conn. Diag. No.
					Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE		
1	3.5	1750	143T	EM3546T-8	3.5	34.9	3.0	83.0	86.3	87.5	47	60	70	6205	6203	13.31	CD0006
1 1/2	4.8	1740	145T	EM3554T-8	4.8	45.4	4.5	85.6	87.8	88.5	55	68	76	6205	6203	14.19	CD0006
2	6.3	1725	145T	EM3558T-8	6.3	49.0	6.0	85.9	87.1	86.5	62	74	80	6205	6203	14.19	CD0006
3	2.2	3500	182T	EM3660T-8	7.8	73.6	4.5	87.5	89.1	88.5	83	89	92	6206	6205	15.24	CD0006
	2.2	1760	182T	EM3661T-8	9.1	71.0	9.0	89.1	90.0	89.5	58	71	80	6206	6205	15.24	CD0006
5	3.7	3500	184T	EM3663T-8	13.0	141	7.5	88.2	89.8	89.5	77	86	90	6206	6205	15.24	CD0006
	3.7	1750	184T	EM3665T-8	14.9	124	15	89.7	90.7	90.2	62	74	80	6206	6205	15.24	CD0006
7 1/2	5.6	3525	213T	EM3769T-8	19.8	173	11.2	90.0	91.4	91.0	79	87	90	6307	6206	18.45	CD0006
	5.6	1770	213T	EM3770T-8	21.4	148	22.1	91.5	92.1	91.7	68	78	81	6307	6206	18.45	CD0006
10	7.5	3500	213T	EM3771T-8	26.5	276	15	92.7	92.9	91.7	82	89	92	6307	6206	18.45	CD0006
	7.5	1765	215T	EM3774T-8	28.4	207	29.7	92.9	92.9	92.4	66	77	82	6307	6206	18.45	CD0006
15	11.2	3525	254T	EM2394T-8	39.6	294	22.2	90.8	91.9	91.7	78	86	88	6309	6208	23.16	CD0006
	11.2	1765	254T	EM2333T-8	42.4	282	44.6	91.9	92.6	92.4	66	76	82	6309	6208	23.16	CD0006
20	14.9	3540	256T	EM4106T-8	52.9	462	29.7	91.1	92.3	92.4	74	84	89	6309	6208	23.16	CD0695
	14.9	1765	256T	EM2334T-8	55.2	402	59	92.8	93.1	93.0	69	80	84	6309	6208	23.16	CD0695
25	18.7	3530	284TS	EM4107T-8	63	551	37.2	93.0	93.5	93.0	82	89	91	6311	6208	25.24	CD0695
	18.7	1770	284T	EM4103T-8	68.4	431	74.2	92.4	93.6	93.6	72	81	84	6311	6309	27.76	CD0695
30	22.4	3520	286TS	EM4108T-8	75	620	44.7	93.2	93.5	93.0	83	89	92	6311	6208	25.24	CD0695
	22.4	1770	286T	EM4104T-8	84	566	89	93.8	94.4	94.1	66	75	83	6311	6309	27.76	CD0695
40	30	1775	324T	EM4110T-8	106	734	118	93.9	94.6	94.5	71	81	86	6312	6311	30.28	CD0695
50	37	1775	326T	EM4115T-8	131	897	149	94.4	94.9	94.5	71	81	87	6312	6311	30.28	CD0695

NOTE: See page 52 for Layout drawing. See page 75 for Connection Diagrams. Shaded ratings are cast iron frames.
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

TEFC - Totally Enclosed Fan Cooled - Foot Mounted, 575 Volts, Three Phase, 1 - 150 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		"C" Dim.	Conn. Diag. No.
					Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE		
1	0.75	1750	145T	EM3546T-5	1.1	11.2	3.0	83.8	86.2	86.5	58	72	78	6205	6203	13.31	CD0006
1 1/2	1.1	1740	145T	EM3554T-5	1.6	13.7	4.5	86.4	87.6	86.5	61	73	80	6205	6203	13.31	CD0006
2	1.5	1725	145T	EM3558T-5	2.2	15.7	6.0	88.1	88.1	86.5	66	77	82	6205	6203	14.19	CD0006
3	2.2	1760	182T	EM3611T-5	3.1	25.6	9.0	89.1	90.0	89.5	58	71	77	6206	6205	16.55	CD0006
	2.2	1760	182T	EM3661T-5	3.2	26	9.0	89.1	90.0	89.5	58	71	80	6206	6205	15.24	CD0006
5	3.7	1750	184T	EM3615T-5	5.2	43	15	89.7	90.7	90.2	62	74	80	6206	6205	16.55	CD0006
	3.7	1750	184T	EM3665T-5	5.2	44	15	89.7	90.7	90.2	62	74	80	6206	6205	15.24	CD0006
7 1/2	5.6	1770	213T	EM3710T-5	8.2	58	22.2	90.5	91.8	91.7	56	68	76	6307	6206	19.02	CD0006
	5.6	1770	213T	EM3770T-5	8.0	53.6	22.2	90.7	91.9	91.7	56	68	76	6307	6206	18.45	CD0006
10	7.5	1760	215T	EM3714T-5	10.1	66.8	30	91.7	92.4	91.7	62	75	81	6307	6206	19.77	CD0006
	7.5	1760	215T	EM3774T-5	10.1	66.8	30	91.7	92.4	91.7	62	75	81	6307	6206	18.45	CD0006
15	11.2	3525	254T	EM2394T-5	13.8	102	22.2	90.8	91.9	91.7	78	86	88	6309	6208	23.16	CD0006
	11.2	1765	254T	EM2333T-5	14.8	99	44.5	91.3	92.5	92.4	67	78	82	6309	6208	23.16	CD0006
20	14.9	3540	256T	EM4106T-5	18.4	160	29.7	91.1	92.3	92.4	74	84	89	6309	6208	23.16	CD0006
	14.9	1765	256T	EM2334T-5	19.2	140	59.0	92.8	93.1	93.0	69	80	84	6309	6208	23.16	CD0006
25	18.7	3530	284TS	EM4107T-5	22	183	37.2	93.0	93.5	93.0	82	89	91	6311	6208	24.59	CD0006
	18.7	1770	284T	EM4103T-5	23.9	153	74.1	92.4	93.5	93.6	71	80	84	6311	6309	27.76	CD0006
30	22.4	3520	286TS	EM4108T-5	26.2	216	44.7	93.2	93.5	93.0	83	89	92	6311	6208	24.59	CD0006
	22.4	1770	286T	EM4104T-5	29.0	197	89.0	93.8	94.4	94.1	66	75	83	6311	6309	27.76	CD0006
40	30	3540	324TS	EM4109T-5	36	229	59.5	93.9	94.4	93.6	82	88	90	6312	6311	28.78	CD0006
	30	1775	324T	EM4110T-5	36.8	259	118	93.9	94.6	94.5	70	79	86	6312	6311	30.28	CD0006
50	37	3540	326TS	EM4114T-5	43.6	338	74	93.8	94.4	94.1	85	90	91	6312	6311	28.90	CD0006
	37	1775	326T	EM4115T-5	46.7	328	148	94.9	95.2	94.5	74	83	86	6312	6311	30.28	CD0006
60	45	1780	364T	EM4314T-5	55	362	177	94.7	95.2	95.0	71	81	86	6313	6312	32.84	CD0006
75	56	1780	365T	EM4316T-5	68	488	221	94.7	95.4	95.4	73	81	87	6313	6312	32.84	CD0006
100	75	1780	405T	EM4400T-5	87	634	295	95.2	95.6	95.4	84	89	90	6316	6313	38.06	CD0006
125	93	1780	444T	EM4410T-5	112	768	369	94.7	95.4	95.4	78	85	88	6319	6314	44.24	CD0006
150	112	1785	445T	EM4406T-5	141	892	442	95.6	96.0	95.8	70	79	85	6319	6314	44.24	CD0006

NOTE: See page 52 for Layout drawing. See page 75 for Connection Diagrams. Shaded ratings are cast iron frames.
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

TEFC C-Face Super-E® Premium Efficient Motors

NEMA Premium®

TEFC - Totally Enclosed Fan Cooled - C-Face, Foot Mounted, 230/460 Volts, Three Phase, 1 - 100 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps 460 @ V ①		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		Volt Code	"C" Dim.	Conn. Diag. No.
					Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE			
1		3600	56C	CEM3545	1.4	12.1	1.5	80.5	83.6	84	65	77	82	6205	6203		12.25	CD0005
		1800	56C	CEM3546	1.5	14	3.0	83.8	86.2	87.5	58	72	79	6205	6203		13.25	CD0005
	0.75	1750	143TC	CEM3581T	1.4	14	3.0	83.8	86.2	86.5	58	72	78	6205	6203	E	13.03	CD0005
1 1/2		3600	56C	CEM3550	2	20.1	2.3	81.3	84.3	85.5	68	78	83	6205	6203		13.25	CD0005
		1800	56C	CEM3554	2.1	20	4.5	87.1	88.9	88.5	54	68	76	6205	6203		14.10	CD0005
	1.1	3450	143TC	CEM3583T	2.0	20.1	2.3	81.3	84.3	85.5	68	78	83	6205	6203	E	13.03	CD0005
	1.1	1740	145TC	CEM3584T	2.1	16.8	4.5	86.4	87.6	86.5	61	73	80	6205	6203	E	13.03	CD0005
2		3600	56C	CEM3555	2.5	30	3.0	83.8	86.2	86.5	70	80	85	6205	6203		14.12	CD0005
		1800	56C	CEM3558	2.7	19.6	6.0	87.9	88.3	86.5	64	76	82	6205	6203		14.10	CD0005
	1.5	3450	145TC	CEM3586T	2.5	30	3.0	83.8	86.2	86.5	70	80	85	6205	6203	E	13.03	CD0005
	1.5	1725	145TC	CEM3587T	2.7	20.8	6.0	87.3	88.2	86.5	65	77	82	6205	6203	E	13.03	CD0005
3		3600	182TC	CEM3610T	5	37.7	4.6	88.6	89.7	89.5	77	86	91	6206	6205		16.55	CD0005
		1800	182TC	CEM3611T	4.1	32	9.0	89.1	90	89.5	58	71	77	6206	6205		16.55	CD0005
	2.2	3500	182TC	CEM3660T	3.5	37.6	4.5	87.9	89.6	89.5	73	84	89	6206	6205	F	16.00	CD0005
	2.2	1760	182TC	CEM3661T	4.0	32	9.0	89.1	90.0	89.5	58	71	80	6206	6205	E1	16.00	CD0005
5		3600	184TC	CEM3613T	5.6	59.3	7.7	91	91	90.2	83	90	94	6206	6205		16.55	CD0005
		1800	184TC	CEM3615T	6.5	53.7	15	89.7	90.7	90.2	62	74	80	6206	6205		18.05	CD0005
	3.7	3490	184TC	CEM3663T	5.7	64.8	7.6	89.7	90.8	90.2	76	85	90	6206	6205	F	16.00	CD0005
	3.7	1750	184TC	CEM3665T	6.5	48	15	89.4	90.4	90.2	61	75	80	6206	6205	E	16.00	CD0005
7 1/2	5.6	3525	213TC	CEM3769T	8.6	75	11.2	90.0	91.4	91.0	79	87	90	6307	6206	E1	19.20	CD0005
	5.6	1770	213TC	CEM3770T	9.5	68	22.1	91.6	92.3	91.7	65	76	81	6307	6206	F	19.20	CD0005
10	7.5	3500	215TC	CEM3771T	11.2	120	15	92.7	92.9	91.7	82	89	92	6307	6206	E1	19.20	CD0005
	7.5	1760	215TC	CEM3774T	12.5	88.5	29.8	92.9	93.1	92.4	67	78	82	6307	6206	F	19.20	CD0005
15	11.2	3525	254TC	CEM2394T	17.2	128	22.2	90.8	91.8	91.7	78	86	88	6309	6208	E1	23.78	CD0180
	11.2	1765	254TC	CEM2333T	18.5	123	44.6	91.9	92.6	92.4	66	77	82	6309	6208	E1	23.78	CD0005
20	14.9	3520	256TC	CEM4106T	22.5	166	29.8	92.5	93.0	92.4	79	86	90	6309	6208	E1	23.78	CD0005
	14.9	1765	256TC	CEM2334T	24	176	59.5	92.6	93.3	93.0	70	79	84	6309	6208	E1	23.78	CD0005
25	18.7	3530	284TSC	CEM4107T	28	236	37.2	93.0	93.5	93.0	82	88	91	6311	6308	E1	25.35	CD0180
	18.7	1770	284TC	CEM4103T	30	188	74.2	92.4	93.6	93.6	72	81	84	6311	6309	E1	27.76	CD0005
30	22.4	1770	286TC	CEM4104T	36	246	89	93.8	94.4	94.1	66	75	83	6311	6309	E1	27.76	CD0005
40	30	1775	324TC	CEM4110T	46	320	118	93.9	94.6	94.5	73	81	86	6312	6311	E1	30.28	CD0180
50	37	1775	326TC	CEM4115T	57	392	149	94.4	94.9	94.5	73	82	87	6312	6311	E1	30.28	CD0180
60	45	1780	364TC	CEM4314T	69	447	177	94.7	95.2	95.0	74	82	86	6313	6312	E1	32.84	CD0180
75	56	1780	365TC	CEM4316T	84	610	221	94.7	95.4	95.4	73	81	87	6313	6312	E1	32.84	CD0005
100	74.6	1780	405TC	CEM4400T	109	790	295	95.2	95.6	95.4	83	89	90	6316	6313	F	38.06	CD0180

NOTE: Volt Code: E=208-230/460V, E1=230/460 volts usable at 208V, F=230/460V. ① Amps at 460V - double for 230V.

Shaded ratings are cast iron frames.

See page 53 for Layout drawing. See page 75 for Connection Diagrams.

Efficiencies shown are nominal. Shaded ratings are cast iron frames. Data subject to change without notice. Contact Baldor for certified data.

TEFC - Totally Enclosed Fan Cooled - C-Face, Foot Mounted, 575 Volts, Three Phase, 1 - 25 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		"C" Dim.	Conn. Diag. No.
					Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE		
1	0.75	1750	143TC	CEM3581T-5	1.1	11.2	3.0	83.8	86.2	86.5	58	72	78	6205	6203	13.03	CD0006
1 1/2	1.1	3450	143TC	CEM3583T-5	1.6	15.8	2.3	81.3	84.3	85.5	68	78	83	6205	6203	13.03	CD0006
	1.1	1740	145TC	CEM3584T-5	1.6	14.0	4.5	86.4	87.6	86.5	61	73	80	6205	6203	13.03	CD0006
2	1.5	3450	145TC	CEM3586T-5	2.0	24.0	3.0	83.8	86.2	86.5	70	80	85	6205	6203	13.03	CD0006
	1.5	1725	145TC	CEM3587T-5	2.2	15.7	6.0	88.1	88.1	86.5	66	77	82	6205	6203	13.03	CD0006
3	2.2	3500	182TC	CEM3660T-5	2.7	27.6	4.5	87.5	89.1	88.5	83	89	92	6206	6205	16.00	CD0006
	2.2	1760	182TC	CEM3661T-5	3.2	26.0	9.0	89.1	90.0	89.5	58	71	80	6206	6205	16.00	CD0006
5	3.7	3500	184TC	CEM3663T-5	4.6	50.0	7.5	88.2	89.8	89.5	77	86	90	6206	6205	16.00	CD0006
	3.7	1750	184TC	CEM3665T-5	5.2	38.0	15.0	89.4	90.4	90.2	61	75	80	6206	6205	16.00	CD0006
7 1/2	5.6	3525	213TC	CEM3769T-5	6.9	60.0	11.2	90.0	91.4	91.0	79	87	90	6307	6206	19.20	CD0006
	5.6	1770	213TC	CEM3770T-5	8.0	53.6	22.2	90.7	91.9	91.7	56	68	76	6307	6206	19.20	CD0006
10	7.5	3500	215TC	CEM3771T-5	9.0	96	15.0	92.7	92.9	91.7	82	89	92	6307	6206	19.20	CD0006
	7.5	1760	215TC	CEM3774T-5	10.1	66.8	30.0	91.7	92.4	91.7	62	75	81	6307	6206	19.20	CD0006
15	11.2	1765	254TC	CEM2333T-5	14.8	99.0	44.5	91.3	92.5	92.4	67	78	82	6309	6208	23.78	CD0006
20	14.9	1765	256TC	CEM2334T-5	19.0	138	59.0	92.0	93.0	93.0	67	77	85	6309	6208	23.78	CD0006
25	18.7	1770	284TC	CEM4103T-5	23.9	153	74.1	92.4	93.5	93.6	71	80	84	6311	6309	27.76	CD0006

NOTE: See page 53 for Layout drawing. See page 75 for Connection Diagrams.

Shaded ratings are cast iron frames.

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

TEFC C-Face Footless Super-E® Premium Efficient Motors

NEMA Premium®

TEFC - Totally Enclosed Fan Cooled - C-Face, Footless, 230/460 Volts, Three Phase, 1 - 10 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps 460 @ V ①		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		"C" Dim.	Conn. Diag. No.
					Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE		
1/2	0.375	1800	56C	VEM3538	0.8	5.6	1.5	80.3	82.5	82.5	52	65	74	6205	6203	12.24	CD0005
3/4	0.563	1800	56C	VEM3542	1.1	9.7	2.2	80.9	83.8	84.0	50	64	73	6205	6203	12.24	CD0005
1	0.75	3600	56C	VEM3545	1.4	12.1	1.5	80.5	83.6	84.0	65	77	82	6205	6203	12.24	CD0005
	0.75	1800	56C	VEM3546	1.4	14.0	3.0	83.8	86.2	86.5	58	72	78	6205	6203	13.24	CD0005
	0.75	1800	56C	VEM3581	1.5	15.0	3.0	84.4	87.0	87.5	48	60	70	6205	6203	12.49	CD0005
	0.75	1800	143TC	VEM3546T	1.4	14.3	3.0	83.0	86.0	86.5	53	67	75	6205	6203	12.49	CD0005
	0.75	1800	143TC	VEM3581T	1.4	14.0	3.0	83.8	86.2	86.5	58	72	78	6205	6203	12.49	CD0005
1 1/2	1.1	3600	56C	VEM3550	2.0	20.1	2.3	81.3	84.3	85.5	68	78	83	6205	6203	12.49	CD0005
	1.1	1800	56C	VEM3554	2.1	20.0	4.5	87.1	88.9	88.5	54	68	76	6205	6203	12.49	CD0005
	1.1	1800	145TC	VEM3554T	2.1	20.0	4.5	87.1	88.9	88.5	54	68	76	6205	6203	12.49	CD0005
	1.1	1800	145TC	VEM3584T	2.1	16.8	4.5	86.4	87.6	88.5	61	73	76	6205	6203	12.49	CD0005
2	1.5	3600	56C	VEM3555	2.5	30.0	3.0	83.8	86.2	86.5	70	80	85	6205	6203	12.49	CD0005
	1.5	1800	56C	VEM3558	2.7	19.6	6	87.9	88.3	86.5	64	76	82	6205	6203	12.49	CD0005
	1.5	1800	145TC	VEM3558T	2.6	19.6	6	87.9	88.3	86.5	64	76	82	6205	6203	12.49	CD0005
	1.5	1800	145TC	VEM3587T	2.8	20.8	6	87.3	88.2	88.5	65	74	75	6205	6203	12.49	CD0005
3	2.2	3600	182TC	VEM3610T	3.5	37.7	4.6	88.6	89.7	89.5	77	86	91	6206	6205	16.55	CD0005
	2.2	1800	182TC	VEM3611T	4.1	32	9	89.1	90	89.5	58	71	77	6206	6205	16.55	CD0005
	2.2	1800	182TC	VEM3661T	4.0	31.7	8.9	89	90	89.5	62	73	80	6206	6205	16.55	CD0005
5	3.7	3600	184TC	VEM3613T	5.6	59.3	7.7	91	91	90.2	83	90	94	6206	6205	16.55	CD0005
	3.7	1800	184TC	VEM3615T	6.5	53.7	15	89.7	90.7	90.2	62	74	80	6206	6205	16.55	CD0005
	3.7	1800	184TC	VEM3665T	6.5	48	15	89.4	90.4	90.2	61	75	80	6206	6205	16.55	CD0005
7 1/2	5.6	1800	213TC	VEM3770T	9.5	68	22.1	91.6	92.3	91.7	65	76	81	6307	6206	19.25	CD0005
10	7.5	1800	215TC	VEM3774T	12.5	88.5	29.8	92.9	93.1	92.4	67	78	82	6307	6206	19.25	CD0005

NOTE: ① Amps at 460V - double for 230V.

Shaded ratings are cast iron frames.

See page 51 for Layout drawing. See page 75 for Connection Diagrams.

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

TEFC - Totally Enclosed Fan Cooled - C-Face, Footless, 575 Volts, Three Phase, 1 - 10 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		"C" Dim.	Conn. Diag. No.
					Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE		
1	0.75	1800	143TC	VEM3581T-5	1.1	11.2	3	83.8	86.2	86.5	58	72	78	6205	6203	13.03	CD0006
1 1/2	1.1	1800	145TC	VEM3584T-5	1.6	14	4.5	86.4	87.6	86.5	61	73	80	6205	6203	13.03	CD0006
2	1.5	1800	145TC	VEM3587T-5	2.2	15.7	6	88.1	88.1	86.5	66	77	82	6205	6203	13.03	CD0006
3	2.2	1800	182TC	VEM3661T-5	3.2	26	9	89.1	90	89.5	58	71	80	6206	6205	16.00	CD0006
5	3.7	1800	184TC	VEM3665T-5	5.2	38	15	89.4	90.4	90.2	61	75	80	6206	6205	16.00	CD0006
7 1/2	5.6	1800	213TC	VEM3770T-5	8.0	53.6	22.2	90.7	91.9	91.7	56	68	76	6307	6206	19.25	CD0006
10	7.5	1800	215TC	VEM3774T-5	9.8	64.8	30	91.7	92.4	91.7	62	75	81	6307	6206	19.25	CD0006

NOTE: See page 51 for Layout drawing. See page 75 for Connection Diagrams.

Shaded ratings are cast iron frames.

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

Severe Duty Super-E® ECP/XEX NEMA Premium® Efficient Motors

Designed to meet the demanding application requirements typically found in severe duty processing environments. Baldor•Reliance Super-E, ECP motors have XEX features including all cast iron frame construction with oversized and rotatable cast iron conduit box. All bearings use the exclusive Positive Lubrication System (PLS) which channels grease directly into the bearing track. The Class F premium "Spike Resistant" insulation system meets the requirements of NEMA MG 1 Part 31.4.4.2 for use on variable frequency control. All internal surfaces are epoxy coated for corrosion protection.

Super-E® ECP/XEX TEFC - Totally Enclosed Fan Cooled - Foot Mounted, 460 Volts, Three Phase, 1-40 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings ODE/DE	"C" Dim.	Conn. Diag. No.
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.			
1	0.75	3600	143T	ECP3580T-4	1.4	12.1	1.5	80.5	83.6	84	65	77	84	6205	12.88	CD0006
	0.75	3600	143T ▮	ENCP3580T-4	1.3	11.2	1.5	80.5	83.9	84.0	73	83	88	6205	11.37	CD0006
	0.75	1800	143T	ECP3581T-4	1.5	14.0	3	83.8	86.2	87.5	58	72	78	6205	12.88	CD0006
	0.75	1800	143T ▮	ENCP3581T-4	1.5	15	3.0	84.4	87.0	87.5	48	60	70	6205	11.37	CD0006
	0.75	1200	145T	ECP3582T-4	1.8	9.6	4.5	82.3	84	82.5	42	55	63	6205	12.88	CD0006
	0.75	900	L182T	ECP3687T-4	1.75	9.2	6	80.2	83.1	82.5	43	56	64	6205/6206	17.12	416820-24
1 1/2	1.1	3600	143T	ECP3583T-4	2	20.1	2.3	81.3	84.3	85.5	68	78	83	6205	12.88	CD0006
	1.1	1800	145T	ECP3584T-4	2.1	19.7	4.5	86.7	88.6	88.5	55	68	76	6205	12.88	CD0006
	1.1	1200	182T	ECP3667T-4	2.4	20	6.8	84.2	86.9	87.5	47	59	67	6205/6206	15.62	416820-24
	1.1	900	L184T	ECP3668T-4	2.4	13.4	9	83.5	85.3	84	48	60	68	6205/6206	17.12	416820-24
2	1.5	3600	145T	ECP3586T-4	2.5	30	3	83.8	86.2	86.5	70	80	85	6205	12.88	CD0006
	1.5	1800	145T	ECP3587T-4	2.7	24.7	5.95	87.1	86.6	88.5	59	71	79	6205	12.88	CD0006
	1.5	1200	L184T	ECP3664T-4	2.8	18	9	86.4	88.3	88.5	49	62	70	6205/6206	17.12	416820-24
	1.5	900	L213T	ECP3772T-4	3.2	16.8	12.2	85.3	86.8	86.4	48	61	69	6206/6207	20.19	416820-24
3	2.2	3600	182T	ECP3660T-4	3.6	30	4.5	87.7	88.8	88.5	78	86	88	6205/6206	15.62	416820-24
	2.2	1800	182T	ECP3661T-4	4.2	32	9	88.1	89.5	89.5	55	68	76	6205/6206	15.62	416820-24
	2.2	1200	213T	ECP3764T-4	4.2	31	13.4	88.4	89.7	89.5	55	68	75	6206/6207	19.31	416820-24
	2.2	900	L215T	ECP3775T-4	4.7	25	18.3	85.4	86.3	85.5	51	63	70	6206/6207	20.19	416820-24
5	3.7	3600	184T	ECP3663T-4	6	44	7.5	89.2	89.6	88.5	74	84	88	6205/6206	15.62	416820-24
	3.7	1800	L184T	ECP3665T-4	6.6	46	15	89.4	90.1	89.5	62	74	80	6205/6206	17.12	416820-24
	3.7	1200	L215T	ECP3768T-4	6.8	46	22.5	89.7	90.2	89.5	60	71	77	6206/6207	20.19	416820-24
	3.7	900	254T	ECP2280T-4	7.3	46	29.8	88.2	89.6	89.5	53	65	72	6309	24.56	416820-24
7.5	5.6	3600	213T	ECP3769T-4	8.6	62	11.2	90.6	90.9	90.2	81	87	90	6206/6207	19.31	416820-24
	5.6	1800	L213T	ECP3770T-4	9.4	64	22.3	91.7	92.2	91.7	64	76	81	6206/6207	20.19	416820-24
	5.6	1200	254T	ECP2276T-4	9.9	64	33.5	90.7	91.4	91	61	72	78	6309	24.56	416820-25
	5.6	900	256T	ECP2401T-4	10.5	62	44.8	89.5	90.5	90.2	57	68	74	6309	24.56	416820-24
10	7.5	3600	215T	ECP3771T-4	11.1	81	15	91.6	91.9	91	87	92	93	6206/6207	19.31	416820-24
	7.5	1800	L215T	ECP3774T-4	12.3	81	30	92.3	92.4	91.7	68	78	83	6206/6207	20.19	416820-24
	7.5	1200	256T	ECP2332T-4	12.5	78	44.8	91.7	91.8	91	70	79	82	6309	24.56	416820-25
	7.5	900	284T	ECP2402T-4	13.7	81	59.4	89.6	90.7	91	60	70	76	6310	27.44	416820-24
15	11.2	3600	254T	ECP2394T-4	16.8	114	22.3	92.8	93.1	91.7	85	90	91	6309	24.56	416820-25
	11.2	1800	254T	ECP2333T-4	18.1	116	44.6	92.3	92.8	92.4	75	82	84	6309	24.56	416820-25
	11.2	1200	284T	ECP4100T-4	18.7	113	66.7	91.9	92.7	92.4	69	78	81	6310	27.44	416820-25
	11.2	900	286T	ECP2395T-4	20	109	89.4	90.9	91.3	90.7	65	74	78	6310	27.44	416820-25
20	14.9	3600	256T	ECP4106T-4	22.3	145	29.8	92.3	92.4	91.7	87	91	82	6309	24.56	416820-25
	14.9	1800	256T	ECP2334T-4	24	145	59.6	93.5	93.6	93	74	81	84	6309	24.56	416820-25
	14.9	1200	286T	ECP4102T-4	24.8	143	89.2	92.5	92.9	92.4	71	79	82	6310	27.44	416820-25
	14.9	900	324T	ECP4112T-4	26.5	140	119	92	92.3	91.6	61	72	77	6311	30.44	416820-24
25	18.6	3600	284TS	ECP4107T-4	28.1	182	37	93.5	93.7	93	84	89	89	6310	26.06	416820-25
	18.6	1800	284T	ECP4103T-4	29.7	182	74.1	94.1	94.2	93.6	77	83	84	6310	27.44	416820-25
	18.6	1200	324T	ECP4111T-4	30.9	182	111	92.8	93.3	93	68	77	81	6311	30.44	416820-25
30	22.4	3600	286TS	ECP4108T-4	33.9	214	44.5	93.9	94.1	93	87	90	89	6310	26.06	416820-25
	22.4	1800	286T	ECP4104T-4	36.1	217	89.1	94.1	94.2	93.6	74	81	83	6310	27.44	416820-25
	22.4	1200	326T	ECP4117T-4	36.4	217	133	93.6	94	93.6	70	79	82	6311	30.44	416820-25
40	29.8	3600	324TS	ECP4109T-4	44.3	278	59	94.2	94.5	94.1	80	87	90	6311	28.94	416820-25
	29.8	1800	324T	ECP4110T-4	47.7	287	118	94.6	94.7	94.1	73	80	83	6311	30.44	416820-25
	29.8	1200	364T	ECP4308T-4	49	290	177	93.6	94.3	94.1	69	77	81	6313	33.44	416820-25

NOTES: ▮ TENV enclosure. See page 54 for Layout drawing. See page 75 for Connection Diagrams.
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Shaded ratings are cast iron frames.

Super-E® ECP/XEX TEFC - Totally Enclosed Fan Cooled - Foot Mounted, 460 Volts only, Three Phase, 50 - 400 Hp

NEMA Premium®

Hp	kW	RPM	Frame	Catalog No.	Amps		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings ODE/DE	"C" Dim.	Conn. Diag. No.
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.			
50	37.3	3600	326TS	ECP4114T-4	55.5	362	73.7	94.5	94.8	94.1	79	86	89	6311	28.94	416820-25
	37.3	1800	326T	ECP4115T-4	58.4	355	148	95.1	95.1	94.5	76	82	84	6311	30.44	416820-25
	37.3	1200	365T	ECP4312T-4	61	345	221	93.9	94.4	94.1	70	78	81	6313	33.44	416820-25
60	44.7	3600	364TS	ECP4310T-4	65.1	398	88.5	95.3	95.5	95.0	88	91	91	6313	31.31	416820-25
	44.7	1800	364T	ECP4314T-4	68	430	177	95.2	95.3	95.0	79	85	87	6313	33.44	416820-25
	44.7	1200	404T	ECP4403T-4	69	425	265	94.9	95.2	95.0	79	84	86	6316	38.31	416820-25
75	55.9	3600	365TS	ECP4313T-4	80.7	494	111	95.1	95.4	95.0	91	92	92	6313	31.31	416820-25
	55.9	1800	365T	ECP4316T-4	85.9	542	221	95.7	95.8	95.4	77	84	86	6313	33.44	416820-25
	55.9	1200	405T	ECP4404T-4	86.9	537	332	94.4	94.9	95.0	73	82	85	6316	38.31	416820-25
100	74.6	3600	405TS	ECP4402T-4	110	695	147	94.6	95.1	95.0	86	89	90	6313	35.31	416820-25
	74.6	1800	405T	ECP4400T-4	112	725	295	95.4	95.7	95.4	83	87	87	6316	38.31	416820-25
	74.6	1800	405TS	ECP4400TS-4	112	725	295	95.4	95.7	95.4	83	87	87	6316	35.31	416820-25
	74.6	1200	444T	ECP4409T-4	115	725	442	94.7	95.2	95.0	77	84	86	6318	44.62	416820-25
125	93.2	3600	444TS	ECP4412T-4	137	848	184	95.1	95.6	95.4	85	89	90	6313	40.88	416820-25
	93.2	1800	444T	ECP4410T-4	139	907	368	95.5	95.9	95.8	81	87	88	6318	44.62	416820-25
	93.2	1200	445T	ECP4411T-4	143	907	551	95.3	95.7	95.4	74	82	86	6318	44.62	416820-25
150	111.9	3600	445TS	ECP4413T-4	164	985	220	95.9	96.4	96.2	84	87	89	6313	40.88	416820-25
	111.9	1800	445T	ECP4406T-4	165	1,085	441	96.3	96.5	96.2	83	88	89	6318	44.62	416820-25
	111.9	1200	445T	ECP44156T-4	170	1,085	662	95.4	95.7	95.4	75	83	86	6318	48.4	416820-25
200	149.1	3600	445TS	ECP44202T-4	222	1350	294	95.7	96.2	95.4	87	91	88	6313	40.88	416820-25
	149.1	3600	447TS	ECP4416T-4	220	1,350	294	95.9	96.4	96.2	80	86	88	6313	43.99	416820-25
	149.1	1800	447T	ECP4407T-4	221	1,450	589	96.0	96.3	96.2	84	88	88	6318	48.4	416820-25
	149.1	1800	447TS	ECP4407TS-4	221	1450	589	96.0	96.3	96.2	84	88	88	6318	44.65	416820-25
	149.1	1200	449T	ECP44206T-4	223	1,450	884	96.4	96.5	96.2	81	86	87	6318	53.4	416820-25
250	186.4	3600	449TS	ECP44252T-4	275	1639	368	95.8	96.3	96.2	83	87	88	6313	44.65	416820-25
	186.4	1800	449T	ECP4408T-4	272	1,825	736	96.6	96.2	96.2	86	89	89	6318	53.4	416820-25
	186.4	1200	449T	ECP44256T-4	283	1,827	1104	96.3	96.5	96.2	74	82	86	6318	53.4	416820-25
300	223.7	3600	449TS	ECP44302T-4	326	2019	441	95.8	96.3	96.2	87	89	90	6313	49.65	416820-25
	223.7	1800	449T	ECP44304T-4	326	2191	883	96.7	96.8	96.5	87	89	89	6318	53.4	416820-25
350	261	3600	449TS	ECP44352T-4	375	2496	515	95.7	96.2	96.2	89	91	91	6318	49.65	416820-25
	261	1800	449T	ECP44354T-4	392	2545	1031	96.2	96.5	96.2	82	86	87	6318	53.4	416820-25
	261	1200	5011LY	ECP50356L-4	386	2759	1545	95.8	96.2	95.8	80	86	88	6222/6324	72.05	CD0006
400	298	3600	449TS	ECP44402T-4	435	3750	587	96.0	96.5	96.5	80	87	89	6318	49.65	416820-25
	298	1800	L449T	ECP44404T-4	442	2812	1179	95.9	96.2	96.2	85	88	88	6318	60.13	416820-25
Stock Ratings with Roller Bearings																
150	111.9	1200	447T	ECP44156TR-4	173	1,046	662	95.5	96.0	96.2	76	82	84	6318/NU222	48.4	416820-25
200	149.1	1800	447T	ECP4407TR-4	221	1,450	589	96.0	96.3	96.2	84	88	88	6318/NU222	48.4	416820-25
	149.1	1200	449T	ECP44206TR-4	223	1,450	884	96.4	96.5	96.2	81	86	87	6318/NU222	53.4	416820-25
250	186.4	1800	449T	ECP4408TR-4	272	1,825	736	96.6	96.2	96.2	86	89	89	6318/NU222	53.4	416820-25
	186.4	1200	449T	ECP44256TR-4	283	1827	1104	96.3	96.5	96.2	74	82	86	6318/NU222	53.4	416820-25
300	223.7	1800	449T	ECP44304TR-4	326	2191	883	96.7	96.8	96.5	87	89	89	6318/NU222	53.4	416820-25

NOTES: See page 54 for Layout drawing. See page 75 for Connection Diagrams.

Shaded ratings are cast iron frames.

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

Super-E® ECP/XEX TEFC - Totally Enclosed Fan Cooled - Foot Mounted, 230/460 Volts, Three Phase, 1 - 150 Hp

NEMA Premium®

Hp	kW	RPM	Frame	Catalog No.	Amps @ 460 V ①		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings ODE/DE	"C" Dim.	Conn. Diag. No.
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.			
1	0.75	1800	143T	ECP3581T	1.5	14.0	3	83.8	86.2	87.5	58	72	78	6205	12.88	CD0006
	0.75	1200	145T	ECP3582T	1.8	9.6	4.5	82.3	84	82.5	42	55	63	6205	12.88	CD0006
1 1/2	1 1/9	1800	145T	ECP3584T	2.1	19.7	4.5	86.7	88.6	88.5	55	68	76	6205	12.88	CD0006
	1 1/9	1200	182T	ECP3667T	2.4	20	6.8	84.2	86.9	87.5	47	59	67	6205/6206	15.62	416820-1
2	1.5	1800	145T	ECP3587T	2.7	24.7	5.95	87.1	86.6	88.5	59	71	79	6205	12.88	CD0006
	1.5	1200	L184T	ECP3664T	2.8	18	9	86.4	88.3	88.5	49	62	70	6205/6206	17.12	416820-1
3	2.2	3600	182T	ECP3660T	3.6	30	4.5	87.7	88.8	88.5	78	86	88	6205/6206	15.62	416820-1
	2.2	1800	L182T	ECP3661T	4.2	32	9	88.1	89.5	89.5	55	68	76	6205/6206	17.12	416820-1
	2.2	1200	213T	ECP3764T	4.2	31	13.4	88.4	89.7	89.5	55	68	75	6206/6207	19.31	416820-1
5	3.7	3600	184T	ECP3663T	6	44	7.5	89.2	89.6	88.5	74	84	88	6205/6206	15.62	416820-1
	3.7	1800	L184T	ECP3665T	6.6	46	15	89.4	90.1	89.5	62	74	80	6205/6206	17.12	416820-1
	3.7	1200	L215T	ECP3768T	6.8	46	22.5	89.7	90.2	89.5	60	71	77	6206/6207	20.19	416820-1
7.5	5.6	3600	213T	ECP3769T	8.6	62	11.2	90.6	90.9	90.2	81	87	90	6206/6207	19.31	416820-1
	5.6	1800	L213T	ECP3770T	9.4	64	22.3	91.7	92.2	91.7	64	76	81	6206/6207	20.19	416820-1
	5.6	1200	254T	ECP2276T	9.9	64	33.5	90.7	91.4	91	61	72	78	6309	24.56	416820-2
10	7.5	3600	215T	ECP3771T	11.1	81	15	91.6	91.9	91	87	92	93	6206/6207	19.31	416820-1
	7.5	1800	L215T	ECP3774T	12.3	81	30	92.3	92.4	91.7	68	78	83	6206/6207	20.19	416820-2
	7.5	1200	256T	ECP2332T	12.5	78	44.8	91.7	91.8	91	70	79	82	6309	24.56	416820-2
15	11.2	3600	254T	ECP2294T	16.8	114	22.3	92.8	93.1	91.7	85	90	91	6309	24.56	416820-2
	11.2	1800	254T	ECP2333T	18.1	116	44.6	92.3	92.8	92.4	75	82	84	6309	24.56	416820-2
	11.2	1200	284T	ECP4100T	18.7	113	66.7	91.9	92.7	92.4	69	78	81	6310	27.44	416820-2
20	14.9	3600	256T	ECP4106T	22.3	145	29.8	92.3	92.4	91.7	87	91	82	6309	24.56	416820-2
	14.9	1800	256T	ECP2334T	24	145	59.6	93.5	93.6	93	74	81	84	6309	24.56	416820-2
	14.9	1200	286T	ECP4102T	24.8	143	89.2	92.5	92.9	92.4	71	79	82	6310	27.44	416820-2
25	18.6	3600	284TS	ECP4107T	28.1	182	37	93.5	93.7	93	84	89	89	6310	26.06	416820-2
	18.6	1800	284T	ECP4103T	29.7	182	74.1	94.1	94.2	93.6	77	83	84	6310	27.44	416820-2
	18.6	1200	324T	ECP4111T	30.9	182	111	92.8	93.3	93	68	77	81	6311	30.44	416820-2
30	22.4	3600	286TS	ECP4108T	33.9	214	44.5	93.9	94.1	93	87	90	89	6310	26.06	416820-2
	22.4	1800	286T	ECP4104T	36.1	217	89.1	94.1	94.2	93.6	74	81	83	6310	27.44	416820-2
	22.4	1200	326T	ECP4117T	36.4	217	133	93.6	94	93.6	70	79	82	6311	30.44	416820-2
40	29.8	3600	324TS	ECP4109T	44.3	278	59	94.2	94.5	94.1	80	87	90	6311	28.94	416820-2
	29.8	1800	324T	ECP4110T	47.7	287	118	94.6	94.7	94.1	73	80	83	6311	30.44	416820-2
	29.8	1200	364T	ECP4308T	49	290	177	93.6	94.3	94.1	69	77	81	6313	32.84	416820-2
50	37.3	3600	326TS	ECP4114T	55.5	362	73.7	94.5	94.8	94.1	79	86	89	6311	28.94	416820-2
	37.3	1800	326T	ECP4115T	58.4	355	148	95.1	95.1	94.5	76	82	84	6311	30.44	416820-2
	37.3	1200	365T	ECP4312T	61	345	221	93.9	94.4	94.1	70	78	81	6313	32.84	416820-2
60	44.7	3600	364TS	ECP4310T	65.1	398	88.5	95.3	95.5	95	88	91	91	6313	31.31	416820-2
	44.7	1800	364T	ECP4314T	69	430	177	95.2	95.3	95	79	85	87	6313	32.84	416820-2
	44.7	1200	404T	ECP4403T	69	425	265	94.9	95.2	95	79	84	86	6316	38.03	416820-2
75	55.9	3600	365TS	ECP4313T	80.7	494	111	95.1	95.4	95	91	92	92	6313	31.31	416820-2
	55.9	1800	365T	ECP4316T	85.9	542	221	95.7	95.8	95.4	77	84	86	6313	33.44	416820-2
	55.9	1200	405T	ECP4404T	86.9	537	332	94.4	94.9	95	73	82	85	6316	38.03	416820-2
100	74.6	3600	405TS	ECP4402T	116	695	147	94.6	95.1	95	86	89	90	6313	35.31	416820-2
125	93.2	3600	444TS	ECP4412T	144	848	184	95.1	95.6	95.4	85	89	90	6313	40.88	416820-2
150	111.9	3600	445TS	ECP4413T	173	985	220	95.9	96.4	96.2	84	87	89	6313	40.88	416820-2

NOTES: ① Amps at 460V – double for 230V

Shaded ratings are cast iron frames.

See page 54 for Layout drawing. See page 76 for Connection Diagrams.

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

Super-E® ECP/XEX TEFC - Totally Enclosed Fan Cooled - Foot Mounted, 575 Volts, Three Phase, 1 - 200 Hp

NEMA Premium®

Hp	kW	RPM	Frame	Catalog No.	Amps		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings ODE/DE	"C" Dim.	Conn. Diag. No.
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.			
1	0.75	1800	143T	ECP3581T-5	1.1	11.3	3	82.9	85.9	86.5	54	68	76	6205	12.88	CD0006
1.5	1.1	1800	145T	ECP3584T-5	1.6	13.95	4.5	86.4	87.6	86.5	63	71	80	6205	12.88	CD0006
2	1.5	1800	145T	ECP3587T-5	2.2	15.7	6	88.1	88.1	86.5	66	77	82	6205	12.88	CD0006
3	2.2	1800	L182T	ECP3661T-5	3.3	25.6	9	88.1	89.5	89.5	55	68	76	6205/6206	17.12	416820-25
	2.2	1200	213T	ECP3764T-5	4	24.8	13.4	88.4	89.7	89.5	55	68	75	6206/6207	19.32	416820-24
5	3.7	1800	L184T	ECP3665T-5	5.28	36.8	15	89.4	90.1	89.5	62	74	80	6205/6206	17.12	416820-24
	3.7	1200	L215T	ECP3768T-5	5.44	36.8	22.5	89.7	90.2	89.5	60	71	77	6206/6207	20.19	416820-24
7.5	5.6	1800	213T	ECP3770T-5	7.2	49.6	22.4	90.6	91.0	91.7	77	84	86	6206/6207	19.31	416820-24
	5.6	1200	254T	ECP2276T-5	7.68	48.8	3.6	90.4	90.9	91.7	67	77	81	6309	24.56	416820-25
10	7.5	1800	L215T	ECP3774T-5	9.52	63.9	30	90.1	91.0	91.7	78	85	87	6206/6207	20.19	416820-25
	7.5	1200	256T	ECP2332T-5	11.5	62.4	44.8	91.7	91.8	91.7	70	79	82	6309	25.07	416820-25
15	11.2	1800	254T	ECP2333T-5	14.4	92.8	44.6	92.3	92.8	92.4	75	82	84	6309	24.56	416820-24
	11.2	1200	284T	ECP4100T-5	14.9	90.4	66.7	91.9	92.7	92.4	70	78	82	6310	27.44	416820-24
20	14.9	1800	256T	ECP2334T-5	19.2	116	59.6	92.7	93.1	93.0	76	82	84	6309	24.56	416820-24
	14.9	1200	286T	ECP4102T-5	20.6	114	89.2	92.5	92.9	93.0	76	79	82	6310	27.93	416820-25
25	18.6	1800	284T	ECP4103T-5	23.7	145	74.1	92.7	93.3	93.6	78	84	85	6310	27.44	416820-25
	18.6	1200	324T	ECP4111T-5	25.3	146	111	92.8	93.3	93.0	68	77	81	6311	30.16	416820-25
30	22.4	1800	286T	ECP4104T-5	28.8	174	89.1	94.1	94.2	93.6	74	81	83	6310	27.44	416820-24
40	29.8	1800	324T	ECP4110T-5	38.1	230	118	94.6	94.7	94.1	73	81	84	6311	30.44	416820-25
50	37.3	1800	326T	ECP4115T-5	46.7	284	148	95.1	95.1	94.5	76	82	84	6311	30.44	416820-24
60	44.7	1800	364T	ECP4314T-5	54.4	344	177	95.2	95.2	95.0	79	85	87	6313	33.44	416820-25
75	55.9	1800	365T	ECP4316T-5	68.7	434	221	95.7	95.8	95.4	77	84	86	6313	33.44	416820-25
100	74.6	1800	405T	ECP4400T-5	89.6	580	295	95.4	95.7	95.4	83	87	88	6316	38.31	416820-24
125	93.2	1800	444T	ECP4410T-5	111.5	726	368	95.5	95.9	95.4	81	87	88	6318	45.29	416820-25
150	111.9	1800	445T	ECP4406T-5	132	868	441	96.3	96.5	96.2	83	88	89	6318	44.62	416820-25
200	149.1	1800	447T	ECP4407T-5	179	1160	589	96.0	96.3	96.2	84	88	88	6318	48.87	416820-25

NOTES: See page 54 for Layout drawing. See page 75 for Connection Diagrams. Shaded ratings are cast iron frames.
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Super-E® ECP/XEX TEFC - Totally Enclosed Fan Cooled - C-Face, Foot Mounted, 230/460 and 460 Volts, Three Phase, 1 - 50 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps @ 460 V		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings DE/ODE	"C" Dim.	Conn. Diag. No.
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.			
1	0.75	3600	143TC ▮	CENCP3580T-4	1.3	11.2	1.5	80.5	83.9	84.0	73	83	88	6205	11.37	CD0006
	0.75	1800	143TC	CECP3581T	1.5	15	3.0	84.4	87.0	87.5	48	60	70	6205	13.38	CD0005
	0.75	1800	143TC ▮	CENCP3581T-4	1.5	15	3.0	84.4	87.0	87.5	48	60	70	6205	11.37	CD0006
1.5	1.1	1800	145TC	CECP3584T	2.0	16.8	4.5	86.4	87.6	86.5	61	73	80	6205	13.38	CD0005
2	1.5	1800	145TC	CECP3587T	2.7	20.8	6.0	87.3	88.2	86.5	65	77	82	6205	13.38	CD0005
3	2.2	3600	182TC	CECP3660T	3.6	30	4.5	87.7	88.8	88.5	78	85	88	6206/6205	16.38	416820-1
	2.2	1800	L182TC	CECP3661T	4.2	32	10	88.1	89.5	89.5	55	68	76	6206/6205	17.88	416820-1
5	3.7	3600	184TC	CECP3663T	6.0	44	7.5	89.2	89.6	88.5	74	84	88	6206/6205	16.38	416820-1
	3.7	1800	L184TC	CECP3665T	6.6	46	15	89.4	90.1	89.5	62	74	80	6206/6205	17.88	416820-1
7.5	5.6	3600	213TC	CECP3769T	8.6	62	11.2	90.6	90.9	90.2	81	87	90	6207/6206	20.06	416820-1
	5.6	1800	L213TC	CECP3770T	9.4	63.5	22.3	91.7	92.2	91.7	64	75	81	6207/6206	20.94	416820-2
10	7.5	3600	215TC	CECP3771T	11.1	81.2	15	92.2	92.0	91.0	86	91	94	6207/6206	20.06	416820-1
	7.5	1800	L215TC	CECP3774T	11.9	79.9	29.9	90.9	91.0	91.7	78	85	87	6207/6206	20.94	416820-1
15	11.2	1800	254TC	CECP2333T	18.1	116	44.6	92.3	92.8	92.4	75	82	84	6309	25.06	416820-1
	11.2	1800	254TC	CECP2333T-4	18.1	116	44.6	92.3	92.8	92.4	75	82	84	6309	25.06	416820-25
20	14.9	1800	256TC	CECP2334T	24.0	145	59.6	92.7	93.1	93.0	76	82	84	6309	25.06	416820-1
	14.9	1800	256TC	CECP2334T-4	24.0	145	59.6	92.7	93.1	93.0	76	82	84	6309	25.06	416820-25
25	18.6	1800	284TC	CECP4103T	29.7	182	74.1	94.1	94.2	93.6	77	83	84	6310	27.44	416820-1
	18.6	1800	284TC	CECP4103T-4	29.7	182	74.1	94.1	94.2	93.6	77	83	84	6310	27.44	416820-25
30	22.4	1800	286TC	CECP4104T	36.1	217	89.1	94.1	94.2	93.6	74	81	83	6310	27.44	416820-1
	22.4	1800	286TC	CECP4104T-4	36.1	217	89.1	94.1	94.2	93.6	74	81	83	6310	27.44	416820-25
40	29.8	1800	324TC	CECP4110T	47.7	279	118	94.6	94.7	94.1	74	81	83	6311	30.44	416820-1
50	37.3	1800	326TC	CECP4115T	58.4	355	148	95.1	95.1	94.5	76	82	84	6311	30.44	416820-1

NOTES: ▮ TENV enclosure. See page 55 for Layout drawing. See page 75 for Connection Diagrams. Shaded ratings are cast iron frames.
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Super-E® ECP/XEX TEFC - Totally Enclosed Fan Cooled - C-Face, Footless, 230/460 Volts, Three Phase, 1 - 25 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps @ 460 V ①		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings ODE/DE	"C" Dim.	Conn. Diag. No.
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.			
1	0.75	1800	56C	VECP3581	1.5	15	3	84.4	87	87.5	48	60	70	6205	14.5	CD0005
	0.75	1800	143TC	VECP3581T	1.5	15	3	84.4	87	87.5	48	60	70	6205	14.56	CD0005
	0.75	1200	145TC	VECP3582T	1.8	9.6	4.5	82.3	84	82.5	42	55	63	6205	14.56	CD0005
1.5	1.1	1800	145TC	VECP3584T	2.1	19.7	4.5	87.1	88.8	88.5	55	68	76	6205	14.56	CD0005
	1.1	1200	182TC	VECP3667T	2.4	20	6.7	84.2	86.9	87.5	47	59	67	6205/6206	16.98	416820-1
2	1.5	1800	145TC	VECP3587T	2.7	20	6	88.3	88.9	88.5	67	78	79	6205	14.56	CD0005
	1.5	1200	184TC	VECP3664T	3	18	8.95	86.4	88.3	88.5	49	62	70	6205/6206	16.98	416820-1
3	2.2	1800	L182TC	VECP3661T	4.2	32	8.96	88.1	89.5	89.5	55	68	76	6205/6206	18.56	416820-1
	2.2	1200	213TC	VECP3764T	4.2	31	13.4	88.4	89.7	89.5	55	68	75	6206/6207	21.23	416820-1
5	3.7	1800	L184TC	VECP3665T	6.6	46	15	89.4	90.1	89.5	62	74	80	6205/6206	18.56	416820-1
	3.7	1200	215TC	VECP3768T	6.8	46	22.5	89.7	90.2	89.5	60	71	77	6206/6207	21.23	416820-1
7.5	5.6	1800	L213TC	VECP3770T	9.4	63.5	22.3	91.7	92.2	91.7	64	76	81	6206/6207	21.23	416820-2
	5.6	1200	254TC	VECP2276T	9.9	63.5	33.5	90.7	91.4	91.0	61	72	78	6309	27.69	416820-2
10	7.5	1800	215TC	VECP3774T	11.9	79.9	29.9	90.9	91.0	91.7	78	85	87	6206/6207	21.23	416820-2
	7.5	1200	256TC	VECP2332T	12.5	78	44.8	91.7	91.9	91.0	70	79	82	6309	27.69	416820-2
15	11.2	1800	254TC	VECP2333T	18.1	116	44.6	92.3	92.8	92.4	75	82	84	6309	24.56	416820-2
	11.2	1200	284TC	VECP4100T	18.7	113	66.7	91.9	92.7	92.4	70	78	82	6310	27.58	416820-2
20	14.9	1800	256TC	VECP2334T	24	145	59.6	92.7	93.1	93.0	76	82	84	6309	24.56	416820-2
	14.9	1200	286TC	VECP4102T	24.8	143	89.2	92.5	92.9	92.4	71	79	82	6310	27.58	416820-2
25	18.6	1800	284TC	VECP4103T	29.6	182	74.1	94.1	94.2	93.6	77	83	84	6310	27.58	416820-2
	18.6	1200	324TC	VECP4111T	30.9	182	111	92.8	93.3	93.0	68	77	81	6311	32.91	416820-2

NOTES: ① Amps at 460V – double for 230V
Shaded ratings are cast iron frames.
See page 56 for Layout drawing. See page 75 for Connection Diagrams.
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

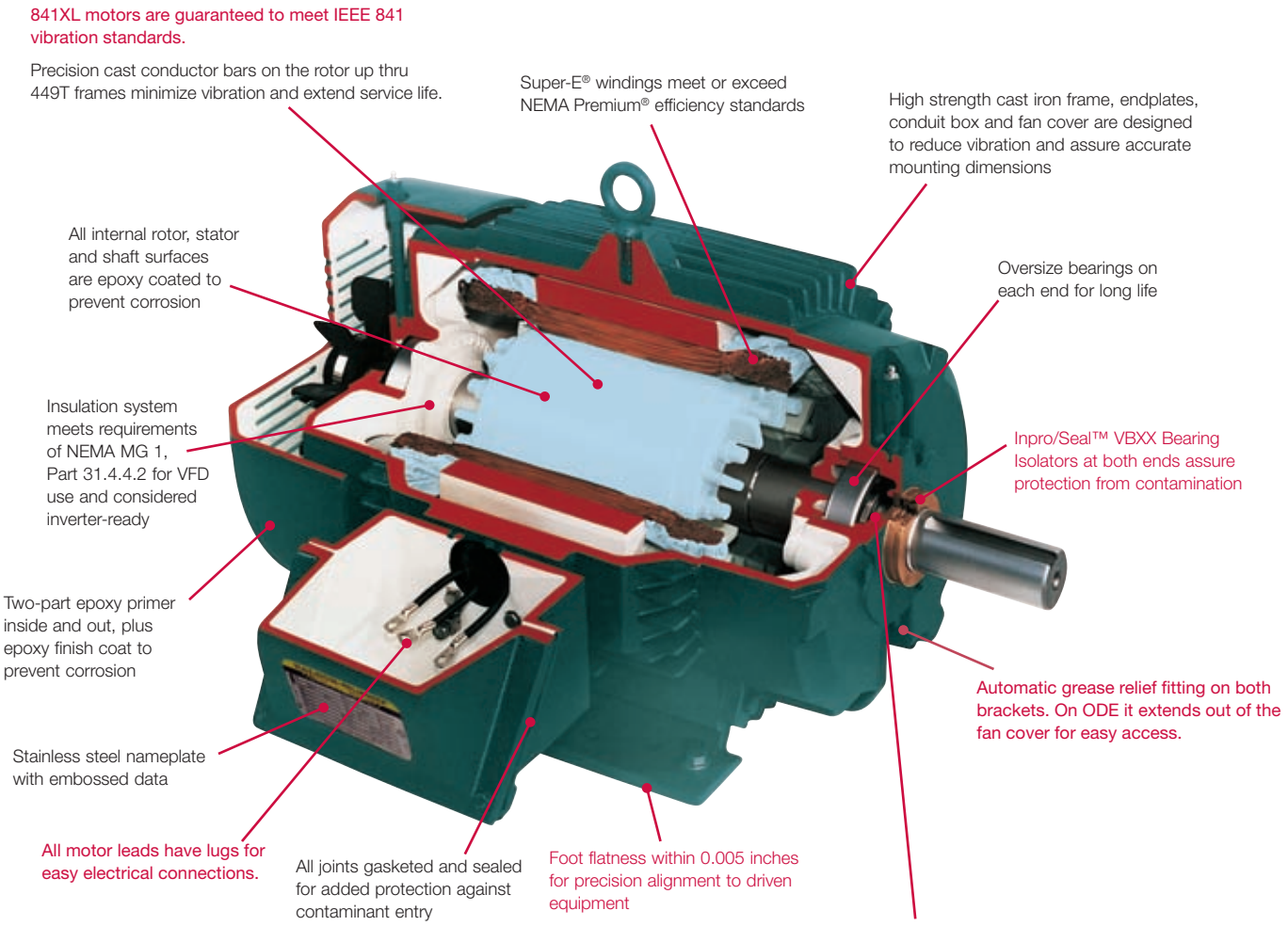
Super-E® ECP/XEX TEFC - Totally Enclosed Fan Cooled - C-Face, Footless, 460 Volts, Three Phase, 1 - 15 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps @ 460 V		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings ODE/DE	"C" Dim.	Conn. Diag. No.
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.			
1	0.75	3600	56C	VECP3580-4	1.4	12.1	1.5	80.5	83.6	84.0	65	77	84	6205	13.32	CD0006
	0.75	1800	56C	VECP3581-4	1.5	15	3	84.4	87.0	87.5	48	60	70	6205	13.32	CD0006
	0.75	1800	143TC	VECP3681T-4	1.4	13.5	3	83.0	85.9	86.5	59	73	80	6205	13.38	CD0006
1.5	1.1	3600	143TC	VECP3583T-4	2	20.1	2.3	81.3	84.3	85.5	68	78	83	6205	13.38	CD0006
	1.1	1800	145TC	VECP3584T-4	2.1	19.7	4.5	86.7	88.6	88.5	55	68	76	6205	13.38	CD0006
2	1.5	3600	145TC	VECP3586T-4	2.5	30	3	83.8	86.2	86.5	70	80	85	6205	13.38	CD0006
	1.5	1800	145TC	VECP3587T-4	2.7	24.7	6	87.1	88.6	88.5	59	71	79	6205	13.38	CD0006
3	2.2	3600	182TC	VECP3660T-4	3.6	30	4.5	87.7	88.8	88.5	78	85	88	6206/6205	15.94	416820-24
	2.2	1800	L182TC	VECP3661T-4	4.2	32	8.96	88.1	89.5	89.5	55	68	76	6205/6206	16.98	416820-24
5	3.7	3600	184TC	VECP3663T-4	6.0	44	7.5	89.2	89.6	88.5	74	84	88	6206/6205	15.94	416820-24
	3.7	1800	184TC	VECP3665T-4	6.6	46	15	89.4	90.1	89.5	62	74	80	6205/6206	16.98	416820-24
7.5	5.6	3600	213TC	VECP3769T-4	8.6	62	11.2	90.6	90.9	90.2	81	87	90	6206/6207	20.06	416820-24
	5.6	1800	L213TC	VECP3770T-4	9.4	63.5	22.3	91.7	92.2	91.7	64	76	81	6206/6207	20.06	416820-25
10	7.5	3600	215TC	VECP3771T-4	11.1	81.2	15	91.6	91.9	91.0	87	92	93	6206/6207	20.06	416820-24
	7.5	1800	215TC	VECP3774T-4	12.3	81	29.8	92.3	92.4	91.7	68	78	83	6206/6207	20.06	416820-25
15	11.2	1800	254TC	VECP2333T-4	18.1	116	44.6	92.3	92.8	92.4	75	82	84	6309	24.56	416820-25

NOTES: See page 56 for Layout drawing. See page 75 for Connection Diagrams.
Shaded ratings are cast iron frames.
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Gutsy Performers: Severe Duty and IEEE 841 Super-E® Premium Efficient Motors

Baldor•Reliance Super-E® Severe Duty and IEEE 841 motors are designed to deliver premium efficiency and rugged durability in the toughest environments. Design features common to both motors, and unique to the IEEE 841, are shown below.



PLUS...

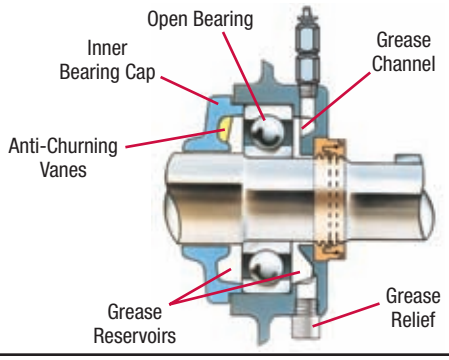
- Documented motor performance and vibration test data shipped with motor.
- Sound power levels less than 90dBA
- Maximum shaft run-out less than NEMA standards:
  (180T-250T) frames = 0.001 inch
  (280T-440T) frames = 0.0015 inch
- Five year warranty

Features found in all Severe Duty motors

Features found only in 841XL and 661XL motors

PLS CONSTRUCTION

Exclusive PLS® (Positive Lubrication System) assures proper bearing lubrication in all mounting positions. Grease is channeled directly into the bearing track. Easily accessible lubrication fittings are positioned on both endplates.



Inside and Out

Baldor•Reliance 841XL severe duty motors are engineered and built to meet or exceed the most rigid severe duty service standards. You'll find Baldor•Reliance severe duty motors hard at work around the world in some of the most brutal conditions you can imagine, like petro-chemical, pulp & paper and mining operations.

So, no matter how you look at it, you can always count on Baldor•Reliance severe duty motors to perform under the most extreme conditions... inside and out.

See BR420 for all Severe Duty Motors.

841XL Super-E® NEMA Premium® Efficient Motors

NEMA Premium®

The Baldor•Reliance 841XL motors are designed for the rugged requirements of the petro-chemical, pulp and paper, cement, aggregate, mining, and other process industries specifying a premium efficient motor for durable service in severe and extreme environments. These motors exceed IEEE 841-2001 standards and meet or exceed NEMA Premium® efficiency standards.

Baldor•Reliance 841XL motors feature an upgraded electrical and mechanical design. The Class F premium "Spike Resistant" insulation system meets the requirements of NEMA MG1 Part 31.4.4.2 for use on variable frequency control and have a low temperature rise for best variable speed performance. All bearings use the exclusive Positive Lubrication System (PLS) which channels grease directly into the bearing track and are isolated from the motors environment with Inpro/Seal™ non-contact labyrinth seals on both ends. Other features include vibration pads on endplates, stainless breather drains, terminal lugs on motor leads and a grounding lug on the frame and in the oversized conduit box. All internal rotor, stator, shaft and frame surfaces are epoxy coated for corrosion protection. Embossed stainless nameplates include all required NEMA data plus weight and guaranteed minimum efficiency. 841XL motors include actual test data and a 5 year warranty.

841XL TEFC - Totally Enclosed Fan Cooled - Foot Mounted, 460 Volts, Three Phase, 1 - 50 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps @ 460 V		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings ODE/DE	"C" Dim.	Conn. Diag. No.
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.			
	0.75	3600	143T	ECP83580T-4	1.4	12.1	1.5	80.5	83.6	84	65	77	84	6205	12.88	CD0006
	0.75	3600	143T ▮	ENCP83580T-4	1.3	11.2	1.5	80.5	83.9	84.0	73	83	88	6205	12.00	CD0005
1	0.75	1800	143T	ECP83581T-4	1.5	15	3	84.4	87.0	87.5	48	60	70	6205	12.88	CD0006
	0.75	1800	143T ▮	ENCP83581T-4	1.5	15.0	3.0	84.4	87.0	87.5	48	60	70	6205	12.00	CD0005
	0.75	1200	145T	ECP83582T-4	1.8	9.6	4.5	82.3	84.0	82.5	42	55	63	6205	12.88	CD0006
	1.1	3600	143T	ECP83583T-4	2	20.1	2.3	81.3	84.3	85.5	68	78	83	6205	12.88	CD0006
1.5	1.1	1800	145T	ECP83584T-4	2.1	19.7	4.46	86.7	88.6	88.5	55	68	76	6205	12.88	CD0006
	1.1	1200	L182T	ECP83667T-4	2.4	20	6.73	84.2	86.9	87.5	47	59	67	6205/6206	17.12	416820-24
	1.5	3600	145T	ECP83586T-4	2.4	24.9	3	84.4	86.4	86.5	79	87	91	6205	12.88	CD0006
2	1.5	1800	145T	ECP83587T-4	2.7	24.7	6	87.1	88.6	88.5	59	71	79	6205	12.88	CD0006
	1.5	1200	L184T	ECP83664T-4	3	18	9	86.4	88.3	88.5	49	62	70	6205/6206	17.12	416820-24
	2.2	3600	182T	ECP83660T-4	3.6	30	4.5	87.7	88.8	88.5	78	86	88	6205/6206	15.62	416820-24
3	2.2	1800	L182T	ECP83661T-4	4.2	32	9	88.1	89.5	89.5	55	68	76	6205/6206	17.12	416820-24
	2.2	1200	213T	ECP83764T-4	4.2	31	13.4	88.4	89.7	89.5	55	68	75	6206/6207	19.31	416820-24
	3.7	3600	184T	ECP83663T-4	6	44	7.5	89.2	89.6	88.5	74	84	88	6205/6206	17.12	416820-24
5	3.7	1800	L184T	ECP83665T-4	6.6	46	15	89.4	90.1	89.5	62	74	80	6205/6206	17.12	416820-24
	3.7	1200	L215T	ECP83768T-4	6.8	46	22.5	89.7	90.2	89.5	60	71	77	6206/6207	20.19	416820-24
	5.6	3600	213T	ECP83769T-4	8.6	62	11.2	90.6	90.9	90.2	81	87	90	6206/6207	20.19	416820-24
7.5	5.6	1800	L213T	ECP83770T-4	9.4	64	22.3	91.7	92.2	91.7	64	76	81	6206/6207	20.19	416820-24
	5.6	1200	254T	ECP82276T-4	9.9	64	33.5	90.7	91.4	91.0	61	72	78	6309	24.56	416820-25
	7.5	3600	215T	ECP83771T-4	11.1	81	15	91.6	91.9	91.0	87	92	93	6206/6207	19.31	416820-24
10	7.5	1800	L215T	ECP83774T-4	12.3	81	30	92.3	92.4	91.7	68	78	83	6206/6207	20.19	416820-24
	7.5	1200	256T	ECP82332T-4	12.5	78	44.8	91.7	91.8	91.0	70	79	82	6309	24.56	416820-25
	11.2	3600	254T	ECP82394T-4	16.8	114	22.3	92.8	93.1	91.7	85	90	91	6309	24.56	416820-25
15	11.2	1800	254T	ECP82333T-4	18.1	116	44.6	92.3	92.8	92.4	75	82	84	6309	24.56	416820-25
	11.2	1200	284T	ECP84100T-4	18.7	113	66.7	91.9	92.7	92.4	69	78	81	6310	27.44	416820-25
	14.9	3600	256T	ECP84106T-4	22.3	145	29.8	92.3	92.4	91.7	87	91	82	6309	24.56	416820-25
20	14.9	1800	256T	ECP82334T-4	24	145	59.6	93.5	93.6	93.0	74	81	84	6309	24.56	416820-25
	14.9	1200	286T	ECP84102T-4	24.8	143	89.2	92.5	92.9	92.4	71	79	82	6310	27.44	416820-25
	18.6	3600	284TS	ECP84107T-4	28.1	182	37	93.5	93.7	93.0	84	89	89	6310	26.06	416820-25
25	18.6	1800	284T	ECP84103T-4	29.7	182	74.1	94.1	94.2	93.6	77	83	84	6310	27.44	416820-25
	18.6	1200	324T	ECP84111T-4	30.9	182	111	92.8	93.3	93.0	68	77	81	6311	30.44	416820-25
	22.4	3600	286TS	ECP84108T-4	33.9	214	44.5	93.9	94.1	93.0	87	90	89	6310	26.06	416820-25
30	22.4	1800	286T	ECP84104T-4	36.1	217	89.1	94.1	94.2	93.6	74	81	83	6310	27.44	416820-25
	22.4	1200	326T	ECP84117T-4	36.4	217	133	93.6	94.0	93.6	70	79	82	6311	30.44	416820-25
	29.8	3600	324TS	ECP84109T-4	44.3	278	59	94.2	94.5	94.1	80	87	90	6311	28.94	416820-25
40	29.8	1800	324T	ECP84110T-4	47.7	287	118	94.6	94.7	94.1	73	80	83	6311	30.44	416820-25
	29.8	1200	364T	ECP84308T-4	49.4	290	177	93.6	94.3	94.1	69	77	81	6313	33.44	416820-25
	37.3	3600	326TS	ECP84114T-4	55.5	362	73.7	94.5	94.8	94.1	79	86	89	6311	28.94	416820-25
50	37.3	1800	326T	ECP84115T-4	58.4	355	148	95.1	95.1	94.5	76	82	84	6311	30.44	416820-25
	37.3	1200	365T	ECP84312T-4	61.7	345	221	93.9	94.4	94.1	70	78	81	6313	33.44	416820-25

NOTES: ▮ TENV enclosure.

Shaded ratings are cast iron frames.

See page 57 for Layout drawing. See page 75 for Connection Diagrams.

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

841XL TEFC - Totally Enclosed Fan Cooled - Foot Mounted, 460 Volts, Three Phase, 60 - 250 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps @ 460 V		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings ODE/DE	"C" Dim.	Conn. Diag. No.
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.			
60	44.7	3600	364TS	ECP84310T-4	65.1	398	88.5	95.3	95.5	95.0	88	91	91	6313	31.31	416820-25
	44.7	1800	364T	ECP84314T-4	68	430	177	95.2	95.3	95.0	79	85	87	6313	33.44	416820-25
	44.7	1200	404T	ECP84403T-4	69	425	265	94.9	95.2	95.0	79	84	86	6316	38.31	416820-25
75	55.9	3600	365TS	ECP84313T-4	80.7	494	111	95.1	95.4	95.0	91	92	92	6313	31.31	416820-25
	55.9	1800	365T	ECP84316T-4	85.9	542	221	95.7	95.8	95.4	77	84	86	6313	33.44	416820-25
	55.9	1200	405T	ECP84404T-4	86.9	537	332	94.4	94.9	95.0	73	82	85	6316	38.31	416820-25
100	74.6	3600	405TS	ECP84402T-4	110	695	147	94.6	95.1	95.0	86	89	90	6313	35.31	416820-25
	74.6	1800	405T	ECP84400T-4	112	725	295	95.4	95.7	95.4	83	87	87	6316	38.31	416820-25
	74.6	1200	444T	ECP84409T-4	115	725	442	94.7	95.2	95.0	77	84	86	6318	44.62	416820-25
125	93.2	3600	444TS	ECP84412T-4	137	848	184	95.1	95.6	95.4	85	89	90	6313	40.88	416820-25
	93.2	1800	444T	ECP84410T-4	139	907	368	95.5	95.9	95.8	81	87	88	6318	44.62	416820-25
	93.2	1200	445T	ECP84411T-4	143	907	551	95.3	95.7	95.4	74	82	86	6318	44.62	416820-25
150	111.9	3600	445TS	ECP84413T-4	164	985	220	95.9	96.4	96.2	84	87	89	6313	40.88	416820-25
	111.9	1800	445T	ECP84406T-4	165	1,085	441	96.3	96.5	96.2	83	88	89	6318	44.62	416820-25
	111.9	1200	447T	ECP844156T-4	173	1,046	662	95.5	96.0	96.2	76	82	84	6318	47.74	416820-25
200	149.1	3600	447TS	ECP84416T-4	173	1,350	294	95.9	96.4	96.2	80	86	88	6313	49	416820-25
	149.1	1800	447T	ECP84407T-4	221	1,450	589	96.0	96.3	96.2	84	88	88	6318	48.4	416820-25
	149.1	1200	449T	ECP844206T-4	223	1,450	884	96.4	96.5	96.2	81	86	87	6318	53.4	416820-25
250	186.4	3600	449TS	ECP844252T-4	267	1,651	367	96.2	96.5	96.2	89	91	91	6313	49.65	416820-25
	186.4	1800	449T	ECP84408T-4	179	1,825	736	96.6	96.2	96.2	86	89	89	6318	52.68	416820-25
	186.4	1200	449T	ECP844256T-4	283	1,827	1104	96.3	96.5	96.2	74	82	86	6318	53.4	416820-25
Stock Ratings with Roller Bearings																
150	111.9	1200	447T	ECP844156TR-4	174	1,046	662	95.5	96.0	96.2	76	82	84	6318/NU222	48.13	416820-25
200	149.1	1800	447T	ECP84407TR-4	221	1,450	589	96.0	96.3	96.2	84	88	88	6318/NU222	48.87	416820-25
	149.1	1200	449T	ECP844206TR-4	223	1,450	884	96.4	96.5	96.2	81	86	87	6318/NU222	53.4	416820-25
250	186.4	1800	449T	ECP84408TR-4	283	1,825	736	96.6	96.2	96.2	86	89	89	6318/NU222	53.4	416820-25

NOTES: See page 57 for Layout drawing. See page 75 for Connection Diagrams.
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Shaded ratings are cast iron frames.

841XL TEFC - Totally Enclosed Fan Cooled - Foot Mounted, 575 Volts, Three Phase, 1 - 15 Hp

NEMA Premium®

Hp	kW	RPM	Frame	Catalog No.	Amps		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings ODE/DE	"C" Dim.	Conn. Diag. No.
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.			
1	0.75	3600	143T	ECP83580T-5	1.1	12.1	1.5	80.5	83.6	84.0	65	77	82	6205	12.88	CD0006
	0.75	1800	143T	ECP83581T-5	1.1	9.8	3	83.8	85.9	85.5	57	69	77	6205	12.88	CD0006
	0.75	1200	145T	ECP83582T-5	1.4	7.7	4.5	82.3	84.1	82.5	44	56	62	6205	12.88	CD0006
1.5	1.1	3600	143T	ECP83583T-5	1.7	15.8	2.3	81.3	84.3	85.5	68	78	83	6205	12.88	CD0006
	1.1	1800	145T	ECP83584T-5	1.6	13.9	4.5	86.4	87.6	86.5	61	73	80	6205	12.88	CD0006
	1.1	1200	182T	ECP83667T-5	1.92	16	6.7	84.2	86.9	87.5	47	59	67	6205/6206	15.62	416820-24
2	1.5	3600	145T	ECP83586T-5	1.9	19.6	3	84.4	86.4	86.5	80	87	91	6205	12.88	CD0006
	1.5	1800	145T	ECP83587T-5	2.2	15.7	6	88.1	88.1	86.5	66	77	82	6205	12.88	CD0006
	1.5	1200	L184T	ECP83664T-5	2.4	14.4	8.9	86.4	88.3	88.5	49	62	70	6205/6206	17.12	416820-24
3	2.2	3600	182T	ECP83660T-5	2.88	24	4.5	87.7	88.8	88.5	78	86	88	6205/6206	15.62	416820-24
	2.2	1800	182T	ECP83661T-5	3.3	25.6	8.9	88.1	89.5	89.5	55	68	76	6205/6206	15.62	416820-24
	2.2	1200	213T	ECP83764T-5	3.4	24.8	13.4	88.4	89.7	89.5	55	68	75	6206/6207	19.31	416820-24
5	3.7	3600	184T	ECP83663T-5	4.8	35.2	7.5	89.2	89.6	88.5	74	84	88	6205/6206	15.62	416820-24
	3.7	1800	L184T	ECP83665T-5	5.3	36.8	15	89.4	90.1	89.5	62	74	80	6205/6206	17.12	416820-24
	3.7	1200	L215T	ECP83768T-5	5.44	36.8	22.5	89.7	90.2	89.5	60	71	77	6206/6207	20.19	416820-24
7.5	5.6	3600	213T	ECP83769T-5	6.9	49.6	11.2	90.6	90.9	90.2	81	87	90	6206/6207	19.31	416820-24
	5.6	1800	213T	ECP83770T-5	7.2	49.6	22.4	90.6	91.0	91.7	77	84	86	6206/6207	19.31	416820-24
	5.6	1200	254T	ECP82276T-5	7.9	50.8	33.5	90.7	91.4	91.0	61	73	78	6309	24.56	416820-25
10	7.5	3600	215T	ECP83771T-5	8.88	65	15	91.2	91.3	90.2	87	92	94	6206/6207	19.31	416820-24
	7.5	1800	L215T	ECP83774T-5	9.84	64.8	29.8	92.3	92.4	91.7	68	79	83	6206/6207	20.19	416820-25
	7.5	1200	256T	ECP82332T-5	10	62.4	44.8	91.7	91.8	91.0	70	79	82	6309	24.56	416820-25
15	11.2	3600	254T	ECP82394T-5	13.4	93.6	22.3	92.3	92.8	91.7	85	90	91	6309	24.56	416820-24
	11.2	1800	254T	ECP82333T-5	14.4	92.8	44.6	92.3	92.8	92.4	75	82	84	6309	24.56	416820-24
	11.2	1200	284T	ECP84100T-5	14.9	90.4	66.7	91.9	92.7	92.4	70	78	82	6310	27.86	416820-24

NOTES: See page 57 for Layout drawing. See page 75 for Connection Diagrams.
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Shaded ratings are cast iron frames.

841XL TEFC - Totally Enclosed Fan Cooled - Foot Mounted, 575 Volts, Three Phase, 20 - 250 Hp

NEMA Premium

Hp	kW	RPM	Frame	Catalog No.	Amps		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings ODE/DE	"C" Dim.	Conn. Diag. No.
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.			
20	14.9	3600	256T	ECP84106T-5	17.8	116	29.8	93.6	93.1	91.7	86	90	91	6309	24.56	416820-25
	14.9	1800	256T	ECP82334T-5	19.2	116	59.6	92.7	93.1	93.0	76	82	84	6309	24.56	416820-24
	14.9	1200	286T	ECP84102T-5	19.8	114	89.2	92.5	92.9	92.4	71	79	82	6310	27.86	416820-25
25	18.6	3600	284TS	ECP84107T-5	22.4	146	37	93.5	93.7	93.0	84	89	89	6310	26.06	416820-25
	18.6	1800	284T	ECP84103T-5	23.7	145	74.1	92.7	93.3	93.6	78	84	85	6310	27.44	416820-25
	18.6	1200	324T	ECP84111T-5	24.7	146	111	92.8	93.3	93.0	68	77	81	6311	30.44	416820-25
30	22.4	3600	286TS	ECP84108T-5	27.1	171	44.5	93.9	94.1	93.0	87	90	89	6310	26.06	416820-24
	22.4	1800	286T	ECP84104T-5	28.8	174	89.1	94.1	94.2	93.6	74	81	83	6310	27.44	416820-24
	22.4	1200	326T	ECP84117T-5	29.1	174	133	93.6	94.0	93.6	70	79	82	6311	30.44	416820-24
40	29.8	3600	324TS	ECP84109T-5	35.4	222	59.0	92.4	94.5	94.1	80	87	90	6311	28.94	416820-25
	29.8	1800	324T	ECP84110T-5	38.1	230	118	94.6	94.7	94.1	73	81	84	6311	30.44	416820-25
	29.8	1200	364T	ECP84308T-5	39.5	232	177	93.6	94.3	94.1	69	77	81	6313	33.44	416820-25
50	37.3	3600	326TS	ECP84114T-5	44.4	290	73.7	94.5	94.8	94.1	79	86	89	6311	28.94	416820-25
	37.3	1800	326T	ECP84115T-5	47	284	148	95.1	95.1	94.5	76	82	84	6311	30.44	416820-24
	37.3	1200	365T	ECP84312T-5	49.3	284	221	93.9	94.4	94.1	70	79	81	6313	33.44	416820-25
60	44.7	3600	364TS	ECP84310T-5	52	318	88.5	95.3	95.5	95.0	88	91	91	6313	31.31	416820-25
	44.7	1800	364T	ECP84314T-5	54.4	344	177	95.2	95.3	95.0	79	85	87	6313	33.44	416820-25
	44.7	1200	404T	ECP84403T-5	55.2	340	265	94.9	95.2	95.0	79	84	86	6316	38.31	416820-25
75	55.9	3600	365TS	ECP84313T-5	64.5	395	111	95.1	95.4	95.0	91	92	92	6313	31.31	416820-24
	55.9	1800	365T	ECP84316T-5	68.8	434	221	95.7	95.8	95.4	77	84	86	6313	33.44	416820-25
	55.9	1200	405T	ECP84404T-5	69.5	430	332	94.4	94.9	95.0	73	82	85	6316	38.31	416820-24
100	74.6	3600	405TS	ECP84402T-5	88	556	147	94.6	95.1	95.0	85.6	89	90	6313	35.31	416820-25
	74.6	1800	405T	ECP84400T-5	89.6	580	295	95.4	95.7	95.4	83	87	88	6316	38.31	416820-24
	74.6	1200	444T	ECP84409T-5	92	580	442	94.7	95.2	95.0	77	84	86	6318	44.62	416820-25
125	93.2	3600	444TS	ECP84412T-5	109	678	184	94.7	95.4	95.4	86	90	90	6313	40.88	416820-25
	93.2	1800	444T	ECP84410T-5	111	726	368	95.5	95.9	95.8	81	87	88	6318	44.62	416820-25
	93.2	1200	445T	ECP84411T-5	114	726	551	95.3	95.7	95.4	74	82	86	6318	44.62	416820-25
150	111.9	3600	445TS	ECP84413T-5	131	784	220	95.9	96.4	96.2	83	88	89	6313	40.88	416820-25
	111.9	1800	445T	ECP84406T-5	132	868	441	96.3	96.5	96.2	83	88	89	6318	44.62	416820-25
200	149.1	3600	445TS	ECP84416T-5	177	1080	294	95.9	96.4	96.2	80	86	88	6313	40.88	416820-25
	149.1	1800	447T	ECP84407T-5	176	1160	589	96.0	96.3	96.2	84	88	88	6318	48.4	416820-25
250	186.4	3600	449TS	ECP844252T-5	213	1321	367	96.2	96.5	96.2	89	91	91	6313	49.37	416820-25
	186.4	1800	449T	ECP84408T-5	218	1460	736	96.6	96.7	96.2	86	89	89	6318	53.13	416820-25
Stock Ratings with Roller Bearings																
150	111.9	1200	447T	ECP844156TR-5	140	837	662	95.5	96	96.2	76	82	84	6318/NU222	48.13	416820-25
200	149.1	1800	447T	ECP84407TR-5	176	1160	589	96.0	96.3	96.2	84	88	88	6318/NU222	48.13	416820-25
	149.1	1200	449T	ECP844206TR-5	178	1160	884	96.4	96.5	96.2	81	86	87	6318/NU222	53.13	416820-25
250	186.4	1800	449T	ECP84408TR-5	217	1460	736	96.6	96.7	96.2	86	89	89	6318/NU222	53.13	416820-25

NOTES: See page 57 for Layout drawing. See page 75 for Connection Diagrams.
Shaded ratings are cast iron frames.
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

841XL TEFC - Totally Enclosed Fan Cooled - C-Face, Foot Mounted, 460 Volts, Three Phase, 1 - 75 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps @ 460 V		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings ODE/DE	"C" Dim.	Conn. Diag. No.
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.			
1	0.75	3600	143TC	CECP83580T-4	1.4	12.1	1.5	80.5	83.6	84.0	65	77	84	6205	13.38	CD0006
	0.75	3600	143TC ▮	CENCP83580T-4	1.3	11.2	1.5	80.5	83.9	84.0	73	83	88	6205	12.00	CD0006
	0.75	1800	143TC	CECP83581T-4	1.5	15	2.99	84.4	87.0	87.5	48	60	70	6205	13.38	CD0006
	0.75	1800	143TC ▮	CENCP83581T-4	1.5	15	3	84.4	87.0	87.5	48	60	70	6205	12.00	CD0006
1.5	1.1	3600	143TC	CECP83583T-4	2	20.1	2.3	81.3	84.3	85.5	68	78	83	6205	13.38	CD0006
	1.1	1800	145TC	CECP83584T-4	2.1	19.7	4.5	86.7	86.6	88.5	55	68	76	6205	13.38	CD0006
2	1.5	3600	145TC	CECP83586T-4	2.4	24.9	3.1	84.4	86.4	86.5	79	87	91	6205	13.38	CD0006
	1.5	1800	145TC	CECP83587T-4	2.7	24.5	5.9	87.1	88.6	88.5	59	71	79	6205	13.38	CD0006
3	2.2	3600	182TC	CECP83660T-4	3.6	30	4.48	87.7	88.8	88.5	78	86	88	6205/6206	16.69	416820-24
	2.2	1800	182TC	CECP83661T-4	4.2	32	8.9	88.1	89.5	89.5	55	68	76	6205/6206	17.88	416820-24
5	3.7	3600	184TC	CECP83663T-4	6	44	7.5	89.2	89.6	88.5	74	84	88	6205/6206	16.38	416820-24
	3.7	1800	L184TC	CECP83665T-4	6.6	46	15	89.4	90.1	89.5	62	74	80	6205/6206	17.88	416820-24
7.5	5.6	3600	213TC	CECP83769T-4	8.6	62	11.2	90.6	90.9	90.2	81	87	90	6206/6207	20.06	416820-24
	5.6	1800	213TC	CECP83770T-4	9.4	63.5	22.3	91.7	92.2	91.7	64	76	81	6206/6207	20.94	416820-25
10	7.5	3600	215TC	CECP83771T-4	11.1	81.2	15	91.6	91.9	91.0	87	92	93	6206/6207	20.06	416820-24
	7.5	1800	L215TC	CECP83774T-4	11.9	79.9	29.9	90.9	91.0	91.7	78	85	87	6206/6207	20.94	416820-25
15	11.2	3600	254TC	CECP82394T-4	16.8	114	22.3	92.8	93.1	92.4	85	90	91	6309	25.06	416820-25
	11.2	1800	254TC	CECP82333T-4	18.1	116	44.6	92.3	92.8	92.4	75	82	84	6309	25.06	416820-25
20	14.9	3600	256TC	CECP84106T-4	22.3	145	29.8	92.3	92.4	91.7	87	91	92	6309	25.06	416820-25
	14.9	1800	256TC	CECP82334T-4	24	145	59.6	92.7	93.1	93.0	76	82	84	6309	25.06	416820-25
25	18.6	3600	284TSC	CECP84107T-4	28.1	182	37	93.5	93.7	93.0	84	89	89	6310	26.81	416820-25
	18.6	1800	284TC	CECP84103T-4	29.6	182	73.1	94.1	94.2	93.6	77	83	84	6310	27.44	416820-25
30	22.4	3600	284TSC	CECP84108T-4	33.9	214	44.5	93.9	94.1	93.0	90	90	89	6310	26.81	416820-025
	22.4	1800	286TC	CECP84104T-4	36.1	217	89.1	94.1	94.2	93.6	74	81	83	6310	27.44	416820-025
40	29.8	3600	324TSC	CECP84109T-4	44.3	278	59	94.2	94.5	94.1	80	87	90	6311	29.03	416820-025
	29.8	1800	324TC	CECP84110T-4	47.7	287	118	94.6	94.7	94.1	73	80	83	6311	30.44	416820-025
50	37.3	3600	326TSC	CECP84114T-4	56.2	362	73.7	91.8	93.0	93.0	79	87	89	6311	29.03	416820-025
	37.3	1800	326TC	CECP84115T-4	58.8	355	148	95.1	95.1	94.5	76	82	84	6311	30.44	416820-025
60	44.7	3600	364TSC	CECP84310T-4	65.1	398	88.5	95.3	95.5	95.0	88	91	91	6313	30.72	416820-025
	44.7	1800	364TC	CECP84314T-4	68	430	177	95.2	95.3	95.0	79	85	87	6313	32.84	416820-025
75	55.9	3600	365TSC	CECP84313T-4	80.7	494	111	95.1	95.4	95.0	91	92	92	6313	30.72	416820-025
	55.9	1800	365TC	CECP84316T-4	85.9	542	221	95.7	95.8	95.4	77	84	86	6313	33.44	416820-025

NOTES: ▮ TENV enclosure. See page 59 for Layout drawing. See page 75 for Connection Diagrams. Efficiencies shown are nominal. Shaded ratings are cast iron frames.
Data subject to change without notice. Contact Baldor for certified data.

841XL TEFC - Totally Enclosed Fan Cooled - C-Face, Foot Mounted, 575 Volts, Three Phase, 1 - 50 Hp

NEMA Premium®

Hp	kW	RPM	Frame	Catalog No.	Amps		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings ODE/DE	"C" Dim.	Conn. Diag. No.
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.			
2	1.5	1800	145TC	CECP83587T-5	2.2	15.7	6.0	88.1	88.1	86.5	66	77	82	6205	13.88	CD0006
3	2.2	1800	L182TC	CECP83661T-5	3.3	25.6	8.9	88.1	89.5	89.5	55	68	76	6206/6205	15.62	416820-24
5	3.7	1800	L184TC	CECP83665T-5	5.3	36.8	15	89.4	90.1	89.5	62	74	80	6206/6205	17.12	416820-24
7.5	5.6	1800	L213TC	CECP83770T-5	7.2	49.6	22.4	90.6	91.0	91.7	77	84	86	6207/6206	19.31	416820-25
10	7.5	1800	L215TC	CECP83774T-5	9.8	64.8	29.8	62.3	92.4	91.7	68	79	83	6207/6206	20.19	416820-25
15	11.2	1800	254TC	CECP82333T-5	14.4	92.8	44.6	62.3	92.8	92.4	75	82	84	6309	24.56	416820-25
20	14.9	1800	256TC	CECP82334T-5	19.2	116	59.6	92.7	93.1	93.0	76	82	84	6309	24.56	416820-25
25	18.6	1800	284TC	CECP84103T-5	23.7	145	74.1	92.7	93.3	93.6	78	84	85	6310	27.44	416820-25
30	22.4	1800	286TC	CECP84104T-5	28.8	174	89.1	94.1	94.2	93.6	74	81	83	6310	27.44	416820-24
40	29.8	1800	324TC	CECP84110T-5	38.1	230	118	94.6	94.7	94.1	73	81	84	6311	30.44	416820-25
50	37.3	1800	326TC	CECP84115T-5	47	284	148	95.1	95.1	94.5	76	82	84	6311	30.44	416820-24

NOTES: See page 59 for Layout drawing. See page 75 for Connection Diagrams. Shaded ratings are cast iron frames.
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

841XL TEFC - Totally Enclosed Fan Cooled - C-Face, Footless, 460 Volts, Three Phase, 1 - 20 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps @ 460 V		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings DE/ODE	"C" Dim.	Conn. Diag. No.
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.			
1	0.75	3600	143TC ▮	VENCP83580T-4	1.3	11.2	1.5	80.5	83.9	84.0	73	83	88	6205	12.00	CD0006
	0.75	1800	143TC ▮	VENCP83581T-4	1.5	15.0	3.0	84.4	87.0	87.5	48	60	70	6205	12.00	CD0006
1.5	1.1	3600	143TC	VECP83583T-4	2.0	20.1	2.3	81.3	84.3	85.5	68	78	83	6205	14.56	CD0006
	1.1	1800	145TC	VECP83584T-4	2.1	19.7	4.5	86.7	88.6	88.5	55	68	76	6205	14.56	CD0006
2	1.5	3600	145TC	VECP83586T-4	2.4	24.9	3.0	84.4	86.4	86.5	79	87	91	6205	14.56	CD0006
	1.5	1800	145TC	VECP83587T-4	2.7	19.6	6.0	88.1	88.1	86.5	66	77	82	6205	14.56	CD0006
3	2.2	3600	182TC	VECP83660T-4	3.6	30.0	4.5	87.7	88.8	88.5	78	85	88	6206/6205	17.88	416820-24
	2.2	1800	L182TC	VECP83661T-4	4.2	32.0	9.0	88.1	89.5	89.5	55	68	76	6206/6205	17.88	416820-24
5	3.7	3600	184TC	VECP83663T-4	6.0	44.0	7.5	89.2	89.6	88.5	74	84	88	6206/6205	17.88	416820-24
	3.7	1800	L184TC	VECP83665T-4	6.6	46.0	15.5	89.4	90.1	89.5	62	74	80	6206/6205	17.88	416820-24
7.5	5.6	3600	213TC	VECP83769T-4	8.6	62.0	11.2	90.6	90.9	90.2	81	87	90	6207/6206	20.94	416820-24
	5.6	1800	L213TC	VECP83770T-4	9.4	63.5	22.3	91.7	82.2	91.7	64	76	81	6207/6206	20.94	416820-25
10	7.5	3600	215TC	VECP83771T-4	11.1	91.2	15.0	91.6	91.9	91.0	87	92	94	6207/6206	20.94	416820-24
	7.5	1800	L215TC	VECP83774T-4	11.9	79.9	39.9	90.8	91.0	91.7	78	85	87	6207/6206	20.94	416820-25
15	11.2	3600	254TC	VECP82394T-4	16.8	114	22.3	92.8	93.1	92.4	85	90	91	6309	25.06	416820-25
	11.2	1800	254TC	VECP82333T-4	18.1	116	44.6	92.3	92.8	92.4	75	82	84	6309	25.06	416820-25
20	14.9	3600	256TC	VECP84106T-4	22.3	145	29.8	92.3	92.4	91.7	87	91	91	6309	25.06	416820-25
	14.9	1800	256TC	VECP82334T-4	24.0	145	59.6	92.7	93.1	93.0	76	82	84	6309	25.06	416820-25

NOTES: ▮ TENV enclosure. Shaded ratings are cast iron frames.
See page 58 for Layout drawing. See page 75 for Connection Diagrams.
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

661XL Super-E® NEMA Premium® Efficient Motors

NEMA Premium®

Baldor•Reliance 661XL motors are designed for belt driven, Air Cooled Heat Exchanger applications in the Petroleum and Chemical Processing industries that require premium efficient motors designed to API 661 standards of 40,000 hours bearing life.

661XL motors meet or exceed NEMA Premium® efficiency standards and are designed and manufactured to exceed IEEE 841-2001 specifications. They incorporate roller bearings on 210 frames and larger for heavy belt loads. They also include VBX / VBXX Inpro bearing isolators on both ends and a stainless drain in the lower end bracket for vertical shaft down mounting. Shaft up mounting requires removing plug in upper end and reversing drain. Motors have RTV sealed end bracket-to-frame fits, epoxy coated rotor and stator, alemite grease fittings with automatic grease relief fittings, lead lugs, low vibration and quiet operation (below 90 dBA sound power). Motors are inverter ready and have a 5-year warranty.

661XL TEFC - Totally Enclosed Fan Cooled - Foot Mounted - Roller Bearings for Belted Loads, 460 Volt, Three Phase, 5 - 75 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps @ 460 V		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		"C" Dim.	Conn. Diag. No.
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.	DE	ODE		
5	3.7	1800	L184T	ECP63665TR-4	6.6	46	15	89.4	90.1	89.5	62	74	80	6206	6205	17.12	416820-24
7.5	5.6	1800	L213T	ECP63770TR-4	9.4	63.5	22.3	91.7	92.2	91.7	64	76	81	NU6207	6206	19.31	416820-25
10	7.5	1800	L215T	ECP63774TR-4	12.3	81	30	92.3	92.4	91.7	68	78	83	NU6207	6206	20.19	416820-24
15	11.2	1800	254T	ECP62333TR-4	18.1	116	44.6	92.3	92.8	92.4	75	82	84	NU6309	6309	24.56	416820-25
20	14.9	1800	256T	ECP62334TR-4	24	145	59.6	93.5	93.6	93	74	81	84	NU6309	6309	24.56	416820-25
25	18.6	1800	284T	ECP64103TR-4	29.7	182	74.1	94.1	94.2	93.6	77	83	84	NU63010	6310	27.86	416820-25
30	22.4	1800	286T	ECP64104TR-4	36.1	217	89.1	94.1	94.2	93.6	74	81	83	NU63010	6310	27.86	416820-25
40	29.8	1800	324T	ECP64110TR-4	47.7	287	118	94.6	94.7	94.1	73	80	83	NU6311	6311	30.44	416820-25
50	37.3	1800	326T	ECP64115TR-4	58.4	355	148	95.1	95.1	94.5	76	82	84	NU6311	6311	30.44	416820-25
60	44.7	1800	364T	ECP64314TR-4	68	430	177	95.2	95.3	95	79	85	87	NU6313	6313	33.44	416820-25
75	55.9	1800	365T	ECP64316TR-4	85.9	542	221	95.7	95.8	95.4	77	84	86	NU6313	6313	33.44	416820-25

NOTES: See page 57 for Layout drawing. See page 75 for Connection Diagrams. Shaded ratings are cast iron frames.
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Super-E® Liberator® NEMA Premium® Efficient Motors

NEMA Premium®

Super-E® Liberator® design. Form coil VPI construction, high-pressure die cast aluminum rotor, all cast iron, NEMA Premium® efficiency through 500 Hp. Three year warranty. Includes 100 ohm platinum winding RTDs and space heaters. Short shaft motors for Coupled applications have Ball bearings that are not convertible to roller bearings. Motors with a long shaft design for Belted applications have bearings as per the NOTES below.

Super-E® Liberator TEFC - Totally Enclosed Fan Cooled - Foot Mounted, 2300/4000 Volts, Three Phase, 200 - 1000 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps @ 4000 V		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		"C" Dim.	Conn. Diag. No.	Dimension Sheet
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.	DE	ODE			
200	149	3600	449TS	ECP44202T-2341	25.0	159	295	93.5	94.2	94.1	87	90	92	6314	6314	48.93	CD0022	18LYF052
	149	1800	449T	ECP44204T-2341	26.0	190	588	92.6	93.8	94.1	78	82	85	6314	6314	52.65	CD0022	18LYF051
250	186	3600	G5008S	ECP50252S-2340	32.0	198.5	367	93.9	94.8	95.0	80	87	89	6313	6313	60.14	CD0022	20LYR010
	186	1800	G5008S	ECP50254S-2340	33.5	203.4	734	94.0	94.9	95.0	74	82	85	6222	6222	60.14	CD0022	20LYR008
	186	1800	G5008L	ECP50254L-2340 *	33.5	203.4	734	94.0	94.9	95.0	74	82	85	6322	6222	64.14	CD0022	—
	186	1200	G5010S	ECP50256S-2340	33.5	202.5	1101	94.3	95.0	95.0	76	82	85	6222	6222	67.14	CD0022	20LYR007
	186	1200	G5010LY	ECP50256LR-2340 **	33.5	202.5	1101	94.3	95.0	95.0	76	82	85	NU324	6222	71.14	CD0022	—
300	223	3600	G5008S	ECP50302S-2340	38.4	236.9	441	94.4	95.1	95.2	80	86	89	6313	6313	60.14	CD0022	20LYR010
	223	1800	G5008S	ECP50304S-2340	40.1	236.3	881	94.4	95.1	95.0	75	82	85	6222	6222	60.14	CD0022	20LYR008
	223	1800	G5008L	ECP50304L-2340 *	40.1	236.3	881	94.4	95.1	95.0	75	82	85	6322	6222	64.14	CD0022	—
	223	1200	G5010S	ECP50306S-2340	40.1	242.7	1322	94.5	95.1	95.0	76	83	85	6222	6222	67.14	CD0022	20LYR007
	223	1200	G5010LY	ECP50306LR-2340 **	40.1	242.7	1322	94.5	95.1	95.0	76	83	85	NU324	6222	71.14	CD0022	-
350	260	3600	G5010S	ECP50352S-2340	44.4	291.0	514	93.7	94.8	95.0	81	87	89	6313	6313	67.14	CD0022	20LYR009
	260	1800	G5008S	ECP50354S-2340	47.1	283.1	1028	94.5	95.1	95.1	74	82	84	6222	6222	60.14	CD0022	20LYR008
	260	1800	G5008	ECP50354L-2340 *	47.1	283.1	1028	94.5	95.1	95.1	74	82	84	6322	6222	64.14	CD0022	—
	260	1200	G5012S	ECP50356S-2340	46.5	279.4	1544	94.8	95.2	95.0	77	83	85	6222	6222	75.14	CD0022	20LYR006
	260	1200	G5012	ECP50356LR-2340 **	46.5	279.4	1544	94.8	95.2	95.0	77	83	85	NU324	6222	79.14	CD0022	—
400	297	3600	G5010S	ECP50402S-2340	50.7	329.1	587	94.1	95.0	95.1	81	87	89	6313	6313	67.14	CD0022	20LYR009
	297	1800	G5008S	ECP50404S-2340	53.6	310.2	1175	94.8	95.4	95.3	75	82	84	6222	6222	60.14	CD0022	20LYR008
	297	1800	G5008	ECP50404L-2340 *	53.6	310.2	1175	94.8	95.4	95.3	75	82	84	6322	6222	64.14	CD0022	—
	297	1200	G5012S	ECP50406S-2340	53.0	332.5	1762	94.9	95.4	95.2	77	83	85	6222	6222	75.14	CD0022	20LYR006
	297	1200	G5012	ECP50406LR-2340 **	53.0	332.5	1762	94.9	95.4	95.2	77	83	85	NU324	6222	79.14	CD0022	—
450	334	3600	G5010S	ECP50452S-2340	56.6	359.5	661	94.5	95.3	95.3	83	88	90	6313	6313	67.14	CD0022	20LYR009
	334	1800	5011LY	ECP50454L-2341	56.0	331	1320	94.1	95.2	95.4	83	88	89	6322	6222	72.05	CD0022	600X001
	334	1800	G5010S	ECP50454S-2340	59.1	360.4	1321	95.2	95.7	95.5	77	84	86	6222	6222	67.14	CD0022	20LYR007
	334	1800	G5010	ECP50454L-2340 *	59.1	360.4	1321	95.2	95.7	95.5	77	84	86	6322	6222	71.14	CD0022	—
	334	1200	G5012S	ECP50456S-2340	59.5	372.3	1983	95.1	95.4	95.2	77	83	86	6222	6222	75.14	CD0022	20LYR006
	334	1200	G5012LY	ECP50456LR-2340 **	59.5	372.3	1983	95.1	95.4	95.2	77	83	86	NU324	6222	79.14	CD0022	—
500	372	3600	G5010S	ECP50502S-2340	62.9	393.2	735	94.9	95.5	95.5	82	88	90	6313	6313	67.14	CD0022	20LYR009
	372	1800	G5010S	ECP50504S-2340	65.2	396.8	1468	95.5	95.9	95.7	78	84	86	6222	6222	67.14	CD0022	20LYR007
	372	1800	G5010L	ECP50504L-2340 *	65.2	396.8	1468	95.5	95.9	95.7	78	84	86	6322	6222	71.14	CD0022	—
	372	1200	G5012S	ECP50506S-2340	65.9	398.5	2204	95.2	95.5	95.2	78	84	86	6222	6222	75.14	CD0022	20LYR006
	372	1200	G5012LY	ECP50506LR-2340 **	65.9	398.5	2204	95.2	95.5	95.2	78	84	86	NU324	6222	79.14	CD0022	—
600	446	3600	G5010S	ECP50602S-2340	76.4	507.2	881	94.2	95.1	95.2	79	86	89	6313	6313	67.14	CD0022	20LYR009
	446	1800	G5012S	ECP50604S-2340	80.1	530.7	1760	94.7	95.4	95.4	75	82	85	6222	6222	75.14	CD0022	20LYR006
	446	1800	G5012L	ECP50604L-2340 *	80.1	530.7	1760	94.7	95.4	95.4	75	82	85	6322	6222	79.14	CD0022	—
	446	1200	G5012S	ECP50606S-2340	78.4	552.4	2637	95.0	95.7	95.7	75	83	86	6222	6222	86.07	—	—
	446	1200	G5012LY	ECP50606LR-2340 **	78.4	552.4	2637	95.0	95.7	95.7	75	83	86	NU324	6222	90.07	—	
700	520	3600	G400J	ECP40702S-2340	89.4	561.8	1027	94.8	95.5	95.6	79	86	88	6313	6313	83.31	—	—
	520	1800	G5012S	ECP50704S-2340	92.5	612.6	2054	95.1	95.7	95.6	76	83	85	6222	6222	75.14	CD0022	20LYR006
800	594	3600	G400J	ECP40802S-2340	101.9	650.4	1173	95.1	95.8	95.8	80	86	88	6313	6313	83.31	—	—
	594	1800	G5012S	ECP50804S-2340	105.3	685.6	2347	95.6	96.0	95.9	77	83	85	6222	6222	75.14	CD0022	20LYR006
	594	1800	G5012L	ECP50804L-2340 *	105.3	685.6	2347	95.6	96.0	95.9	77	83	85	6322	6222	79.14	—	—
900	669	1800	G5012L	ECP50904L-2340	114.9	784.6	2638	95.8	96.3	96.2	78	85	88	6222	6222	86.07	—	—
1,000	743	1800	G400J	ECP401004S-2340	128.9	838	2930	95.6	96.2	96.1	78	85	87	6224	6224	86.07	—	—

NOTES: * Motor has Long Shaft with Drive End Ball bearing that is convertible to Roller Bearing. See page 60 for Layout drawing. See page 76 for Connection Diagrams. Shaded ratings are cast iron frames.
** Motor has Long Shaft with Drive End Roller bearing for heavy duty Belted loads that is convertible to Ball bearing for Belted loads.
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Super-E® Liberator WPII - Weather Protected Type II - Foot Mounted, 2300/4000 Volts, Three Phase, 900 - 1500 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps @ 4000 V		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		"C" Dim.	Conn. Diag. No.	Dimension Sheet
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.	DE	ODE			
900	669	3600	O5808	EM25902S-2340	119.9	629.4	1325	93.5	94.4	94.5	74	83	86	6313	6313	58.5	CD0022	617171-12
1,000	743	3600	O5808	EM251002S-2340	135.1	690.2	1473	93.4	94.4	94.4	72	81	84	6313	6313	58.5	—	—
1,250	929	3600	O5810	EM251252S-2340	159.9	864.4	1837	95.5	95.9	95.7	80	86	88	Sleeve	—	66.5	—	—
	929	1800	O5810	EM251254S-2340	163.7	997	3678	95.2	95.6	95.4	75	83	86	6224	6224	63.99	CD0022	617171-18
1,500	1,115	3600	O5810	EM251502S-2340	191.3	1013.7	2205	95.8	96.1	95.8	80	86	88	Sleeve	—	66.5	—	—
	1,115	1800	O5812	EM251504S-2340	191.4	1137.9	4417	95.8	96.0	95.7	80	86	88	6224	6224	72.99	—	—

NOTES: See page 61 for Layout drawings. See page 76 for Connection Diagrams. Shaded ratings are cast iron frames.
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

ODP and WPI Super-E® Motor Construction

Baldor•Reliance Super-E ODP (Open Drip Proof) motors meet or exceed NEMA Premium® efficiency for applications where an open motor may be used. The "drip proof" construction provides some protection from the environment, but is best for relatively clean, weather-protected applications. Air circulates freely through the motor for cooling. These motors are available from stock in single or three phase, rigid base, C-face or close-coupled pump mountings.

Baldor•Reliance Super-E WPI (Weather-Proof, Type 1) for 5000 frame and larger motors have a louvered cover and screens over outlet vents for added protection from the weather, debris and pests. WPI motors are available in 5000 frame and larger.

Super-E ODP Premium Efficiency Motor Family

Electrical Features	**ODP 143T-449T Frames**	**ODP-WPI 5000-5810 Frames**
Hp Range - Stock	1-300	
Hp Range - Custom	1 - 350	200 - 1500 Hp
Class F insulation with Class B rise	S	S
1.15 Service factor	S	S
200°C Inverter Spike Resistant Insulation System	S	S
Phase insulation	S	S
Corona inception testing - meets NEMA Part 31.4.4.2	S	S
Varnish dip & bake with 100% solids	S	N/A
VPI with 2-part epoxy varnish with 100% solids	O	S
No silicon lead wire	S	S
Short commercial test (no-load amps, speed, balance and hi-pot test per NEMA MG 1-1998)	S	
Standard test with data sheet supplied with motor (Balance, winding resistance, no load & full load amps and speed, power factor, torque and actor, torque and hi-pot test per NEMA)	O	S
Mechanical Features	**ODP 143T-449T Frames**	**ODP-WPI 5000-5810 Frames**
NEMA Frame sizes	143T - 447T Frames	449T - 5810 Frames
Steel band with die cast aluminum endplates	143T - 365T Frames	N/A
Steel band with cast iron endplates	404 - 405T Frames	N/A
Cast iron frame - cast iron endplates	365T - 449T Frames Optional	5000 - 5810 Frames S
Cast Aluminum conduit box	143T - 365T Frames	
Cast Iron conduit box	404 - 449T	S
Hardware - cad plated (140T-210T frames), zinc plated (250T-449T frames)	S	
Motor unfiltered vibration at rated voltage and frequency <0.15 in/sec. peak velocity	S	
Grease inlet with fitting	S	S
Grease outlet with pressure relief	143T - 215T	
Grease outlet with screw-in plug	254T - 449T	S
Castings coated with 2-part epoxy primer	O	S
Finish paint with Super-E Gold enamel	S	
Finish paint with 2-part dark gray epoxy	O	S
Laser etched aluminum nameplate with NEMA data	S	
Embossed stainless steel nameplate with NEMA data	S	S
Limited Warranty	3 years	3 years

NOTE: WPII motors are available in 5000 frame and large.
S = Standard, O = Optional
"Approvals: All NEMA 143T through 445T, equivalent IEC frame motors are listed under UL recognized "
component file # E46145. NEMA 143T through 449T are listed under CSA recognized component file # LR2262.
CSA recognition is pending for 5000 and 5800 open frames - check with Baldor for status.

ODP and WPI - Super-E® Capabilities

Three Phase

Typical Frame Size / Speed - RPM				
Hp	**3600**	**1800**	**1200**	**900**
1	56	143T	145T	182T
1 1/2	143T	145T	182T	184T
2	145T	145T	184T	213T
3	145T	182T	213T	215T
5	182T	184T	215T	254T
7 1/2	184T	213T	254T	256T
10	213T	215T	256T	284T
15	215T	254T	284T	286T
20	254T	256T	286T	324T
25	256T	284T	324T	326T
30	284T	286T	326T	364T
40	286T	324T	364T	365T
50	324T	326T	365T	404T
60	326T	364T	404T	405T
75	364T	365T	405T	444T
100	365T	404T	444T	445T
125	404T	405T	445T	447T
150	405TS, 444TS or 449TS	444T or 449T	445T or 5007L	449T or 5009L
200	444TS or 449TS	445T or 449T	445T, 449T or 5009L	5009L
250	445TS or 449TS	445T or 449T	5009L	5009L or 5011L
300	445TS or 449TS	445T or 5009L	5009L	5011L
350	445TS, 449TS or 5009S	447T, 449T or 5009L	5009L	5810
400	449TS or 5009S	449T or 5009L	5009L	5810
450	449TS or 5009S	449T or 5009L	5011L	5810
500	5009S	5009L	5011L	5810
600	5009S	5009L	5011L or 5810	5810
700	5009S	5011L or 5810	5810	5810
800	5808S	5808	5810	5812
900	5808S	5810	5812	
1000	5808S	5810		
1250	5810S	5812		
1500	5810S	5812		

NOTE: Shaded area denotes product scope of NEMA Premium® efficiency motor program.
See Performance Data for voltage and frame availability.

Open Drip Proof Super-E® Premium Efficient Motors

NEMA Premium®

ODP - Open Drip Proof - Foot Mounted, 230/460 Volts, Three Phase, 1 - 75 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps 460 V ①		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		Volt Code	"C" Dim.	Conn. Diag. No.
					Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE			
1	0.75	3450	56	EM3115	1.4	12.6	1.5	80.4	83.5	84.0	71	80	83	6205	6203	E1	11.06	CD0005
	0.75	1740	143T	EM3116T	1.4	10.8	3.0	83.3	85.6	85.5	57	70	78	6205	6203	E	11.12	CD0005
	0.75	1150	145T	EM3156T	1.8	9.9	4.5	80.1	82.9	82.5	42	54	63	6205	6203	F	12.12	CD0005
1 1/2	1.1	3450	143T	EM3120T	2.1	16	2.2	83.9	85.4	85.5	71	80	85	6205	6203	E	11.12	CD0005
	1.1	1740	145T	EM3154T	2.1	17.5	4.5	85.4	87.1	86.5	56	69	77	6205	6203	E	12.12	CD0005
	1.1	1170	182T	EM3207T	2.6	14	6.76	84.7	87.2	87.5	41	53	62	6206	6205	E	15.00	CD0005
2	1.5	3450	143T	EM3155T	2.5	22	3.0	87.8	88.1	86.5	78	86	90	6205	6203	E	11.62	CD0005
	1.5	1755	145T	EM3157T	2.75	22.9	6.0	87.4	88.7	88.5	57	69	77	6205	6203	E1	13.00	CD0005
	1.5	1170	184T	EM3215T	3.5	19.8	8.9	86.0	88.3	88.5	40	52	60	6206	6205	E	16.50	CD0005
3	2.2	3450	145T	EM3158T	3.7	29	4.5	87.1	88.5	87.5	76	85	89	6205	6203	E1	13.00	CD0005
	2.2	1755	182T	EM3211T	4.0	29.1	9.0	89.1	90.3	90.2	58	70	77	6206	6205	E1	15.00	CD0005
	2.2	1160	213T	EM3305T	4.4	26.6	13.6	88.1	89.1	88.5	55	66	72	6307	6206	E1	16.32	CD0005
5	3.7	3490	182T	EM3212T	5.6	59.9	7.6	92.0	91.9	91.0	83	90	93	6206	6205	F	15.00	CD0005
	3.7	1750	184T	EM3218T	6.6	47.7	15	90.3	90.8	90.2	62	73	79	6206	6205	E1	15.00	CD0005
	3.7	1160	215T	EM3309T	7.3	52.1	22.6	90.6	91.1	90.2	53	64	71	6307	6206	E1	17.45	CD0005
7 1/2	5.6	3470	184T	EM3219T	8.0	92.4	11.3	92.1	92.3	91.0	84	92	96	6206	6205	F	16.50	CD0005
	5.6	1770	213T	EM3311T	9.6	67.5	22.2	91.0	92.2	91.7	61	74	79	6307	6206	E1	16.32	CD0005
	5.6	1180	254T	EM2506T	10.7	63	33.2	89.2	91.2	91.7	54	66	71	6309	6208	E1	23.19	CD0005
10	7.5	3500	213T	EM3312T	11.5	98	15	90.9	92.0	91.7	81	87	90	6307	6206	E1	17.45	CD0005
	7.5	1770	215T	EM3313T	12.5	88.3	29.7	91.6	92.3	91.7	66	77	82	6307	6206	E1	17.45	CD0005
	7.5	1180	256T	EM2511T	14.3	91.8	44.4	91.0	92.0	91.7	54	65	71	6309	6208	E1	23.19	CD0180
15	11.2	3525	215T	EM3314T	17	143	22.5	91.9	92.3	91.7	80	87	92	6307	6206	E1	17.45	CD0005
	11.2	1765	254T	EM2513T	17.7	118	44.6	93.3	93.5	93.0	70	81	86	6309	6208	E1	21.69	CD0180
	11.2	1765	256T	P25G3510	17.7	115	44.6	93.7	93.7	93.0	75	82	85	6309	6309	D	22.44	416820-2
	11.2	1180	284T	EM2524T	20	120	66.4	91.6	92.5	92.4	58	69	75	6311	6309	F	23.81	CD0005
20	14.9	3510	254T	EM2514T	22.5	145	29.9	93.5	93.3	92.4	79	87	90	6309	6208	E1	21.69	CD0180
	14.9	1765	256T	EM2515T	23.5	161	59.4	92.5	93.2	93.0	71	81	86	6309	6208	E1	21.69	CD0180
	14.9	1765	256T	P25G3509	23.8	147	59.4	93.1	93.5	93.0	76	83	85	6309	6309	F	22.44	416820-2
	14.9	1180	286T	EM2528T	26	166	88.1	92.7	93.3	93.0	59	72	77	6311	6309	F	25.06	CD0180
25	18.7	3525	256T	EM2516T	28	200	37.3	93.0	93.4	93.0	81	88	91	6309	6208	E1	21.69	CD0005
	18.7	1770	284T	EM2531T	30	190	74.1	93.4	94.2	94.1	69	79	83	6311	6309	E1	23.81	CD0005
	18.7	1770	284T	P28G3504	29.7	181	74.1	94.1	94.2	93.6	76	83	84	6310	6310	F	24.94	416820-2
	18.7	1180	324T	EM2532T	32	207	110	93.5	94.0	93.6	62	73	78	6312	6311	F	27.69	CD0180
30	22.4	3530	284TS	EM2534T	34	234	44.8	92.6	93.5	93.6	80	87	89	6311	6309	F	22.44	CD0180
	22.4	1770	286T	EM2535T	35	224	88.9	93.6	94.2	94.1	72	82	85	6311	6309	E1	25.06	CD0005
	22.4	1775	286T	P28G3505	37	277	88.6	93.8	94.3	94.1	65	76	81	6310	6310	F	24.94	416820-2
	22.4	1180	326T	EM2536T	38	246	132	93.4	93.8	93.6	65	75	79	6312	6311	F	28.19	CD0005
40	30.0	3540	286TS	EM2538T	45	355	59.8	94.4	94.7	94.1	79	85	88	6311	6309	F	23.69	CD0180
	30.0	3540	286TS	P28G86	46	284	59.3	94.1	94.2	93.6	78	85	87	6310	6310	F	23.56	416820-2
	30.0	1775	324T	EM2539T	46	313	118	94.2	94.8	94.5	72	82	86	6312	6311	E1	26.69	CD0180
	30.0	1775	324T	P32G51	57.8	290	118	94.1	94.4	94.1	65	76	81	6311	6311	F	27.56	416820-2
	30.0	1185	364T	EM2540T	50	315	177	93.6	94.2	94.1	65	75	80	6313	6312	E1	29.69	CD0005
50	37.0	3540	324TS	EM2542T	54	483	73.9	94.5	94.8	94.5	82	89	91	6312	6309	F	25.69	CD0180
	37.0	3565	324TS	P32G85	57.8	362	73.6	94.3	94.7	94.1	72	81	86	6311	6311	F	26.06	416820-2
	37.0	1775	326T	EM2543T	57	395	148	94.9	95.4	95.0	75	83	87	6312	6311	E1	27.69	CD0005
	37.0	1775	326T	P32G52	59.6	355	148	94.7	94.8	94.5	70	80	83	6311	6311	F	27.56	416820-2
	37.0	1185	365T	EM2544T	62	380	221	93.9	94.4	94.1	66	76	80	6313	6312	E1	29.69	CD0180
60	45.0	3540	326TS	EM2546T	65	493	88.9	94.7	95.0	94.5	86	90	92	6312	6311	F	25.19	CD0180
	45.0	1775	364T	EM2547T	68	470	177	94.9	95.3	95.0	77	85	87	6313	6311	E1	30.69	CD0180
	45.0	1780	364T	P36G51	69.5	435	177	95.1	95.3	95.0	73	82	86	6313	6313	F	29.70	416820-2
	45	1185	404T	EM2548T-4	72	441	266	94.1	95.0	95.0	69	79	83	6316	6315	G	34.00	CD0382
75	56.0	3540	364TS	EM2549T	82	557	111	95.1	95.0	94.5	86	90	91	6313	6311	F	25.81	CD0180
	56.0	1780	365T	EM2551T	86	623	221	95.3	95.8	95.4	75	83	86	6313	6312	F	33.72	CD0180
	56.0	1780	365T	P36G52	86.5	536	221	95.3	95.4	95.0	74	82	86	6313	6313	F	29.70	416820-2
	56	1185	405T	EM2552T-4	88	537	331	94.8	95.3	95.0	73	81	84	6316	6315	G	34.00	CD0382

NOTE: Volt Code: E=208-230/460 volts, E1=230/460 volts usable at 208, F=230/460 volts, G=460 volts.

Shaded ratings are cast iron frames.

① Amps at 460V - double for 230V.

See page 62 for Layout drawing. See page 75 for Connection Diagrams.

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

ODP - Open Drip Proof - Foot Mounted, 460 Volts, Three Phase, 100 - 300 Hp

NEMA Premium

Hp	kW	RPM	Frame	Catalog No.	Amps 460 V ①		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		Volt Code	"C" Dim.	Conn. Diag. No.
					Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE			
100	74.6	3540	365TS	EM2550T	109	748	148	95.1	95.0	94.5	86	90	91	6313	6311	F	26.81	CD0180
	74.6	1800	404T	P40G297	115	725	294	95.4	95.7	95.4	74	82	85	6316	6316	F	34.00	416820-2
	74.6	1780	404T	EM2555T-4	115	765	295	95.4	95.8	95.4	73	82	85	6316	6312	G	36.97	CD0382
	74.6	1190	444T	EM2583T-4	123	730	441	94.5	95.1	95.0	66	76	80	6319	6313	G	39.62	CD0382
125	93.25	3600	404TS	P40G295	143	834	184	94.8	95.2	95.0	78	84	86	6313	6313	G	31.00	416820-25
	93.25	3560	404TS	EM2554T-4	138	1028	184	95.5	95.9	95.8	80	86	89	6312	6312	G	33.60	CD0382
	93.25	1800	405T	P40G298	141	897	368	95.9	96.0	95.4	77	85	87	6316	6316	G	34.00	416820-25
	93.25	1775	405T	EM2559T-4	143	914	369	95.5	95.7	95.4	77	84	86	6316	6312	G	34.47	CD0382
	93.25	1190	445T	EM2557T-4	146	944	552	95.7	96.0	95.8	72	81	83	6319	6313	G	39.62	CD0382
150	111.9	3560	405TS	EM2556T-4	164	1265	221	95.8	96.1	95.8	81	87	89	6312	6312	G	34.60	CD0382
	111.9	1800	444T	P44G455	170	1085	441	96.1	96.4	96.2	74	82	86	6318	6318	G	39.56	416820-25
	111.9	1780	444T	EM2558T-4	170	1106	441	95.7	96.1	95.8	77	84	86	6319	6313	G	39.62	CD0382
	111.9	1190	445T	EM2560T-4	176	1141	662	95.8	96.1	95.8	72	80	83	6319	6313	G	39.62	CD0382
200	149.2	3560	444TS	EM2562T-4	217	1460	294	94.9	95.6	95.4	84	89	90	6313	6313	G	35.88	CD0382
	149.2	1780	445T	EM2563T-4	226	1415	589	95.5	96.0	95.8	78	84	87	6319	6313	G	39.62	CD0382
	149.2	1190	447T	EM2564T-4	234	1485	883	95.8	96.0	95.8	63	81	84	6319	6314	G	48.12	CD0382
250	186.5	1780	445T	EM2566T-4	280	1719	737	96.2	96.2	95.8	79	85	87	6319	6313	G	39.62	CD0382
300	223.8	1780	445T	EM2569T-4	335	2067	885	96.4	96.4	95.8	80	86	88	6319	6313	G	39.62	CD0382

NOTE: Volt Code: G=460 volts, F = 230/460 volts.

Shaded ratings are cast iron frames.

① Amps at 460V - double for 230V.

See page 62 for Layout drawing. See page 76 for Connection Diagrams.

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

ODP - Open Drip Proof - Foot Mounted, F-2 Mount, 230/460 Volts, Three Phase, 1 - 100 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps 460 V ①		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		Volt Code	"C" Dim.	Conn. Diag. No.
					Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE			
1	0.75	1740	145T	EFM3116T	1.4	10.8	3.0	83.3	85.6	85.5	57	70	78	6205	6203	E	11.12	CD0005
1 1/2	1.1	1740	145T	EFM3154T	2.1	18.5	4.5	87.1	88.6	88.5	54	68	76	6205	6203	E	13.00	CD0005
2	1.5	1725	145T	EFM3157T	2.7	19.6	6.0	87.9	88.3	86.5	64	76	82	6205	6203	E	13.00	CD0005
3	2.2	1760	182T	EFM3211T	4.0	29.1	9.0	89.1	90.3	90.2	58	70	77	6206	6205	E1	16.50	CD0005
5	3.7	1750	184T	EFM3218T	6.6	47.7	15	90.5	90.8	90.2	62	73	79	6206	6205	E	15.00	CD0005
7 1/2	5.6	1760	213T	EFM3311T	9.6	67.5	22.2	91.0	92.2	91.7	61	74	79	6307	6206	E1	16.32	CD0005
10	7.5	1760	215T	EFM3313T	12.5	88.3	29.6	91.6	92.3	91.7	66	77	82	6307	6206	E1	17.45	CD0005
15	11.2	1765	254T	EFM2513T	17.7	118	44.6	93.3	93.5	93.0	70	81	86	6309	6208	E1	21.69	CD0180
20	14.9	1765	256T	EFM2515T	23.5	160.8	59.4	92.5	93.2	93.0	71	81	86	6309	6208	E1	21.69	CD0180
25	18.7	1770	284T	EFM2531T	30	190.3	74.1	93.4	94.2	94.1	69	79	83	6311	6309	E1	23.81	CD0005
30	22.4	1770	286T	EFM2535T	35	223.6	88.9	93.6	94.2	94.1	72	82	85	6311	6309	E1	25.06	CD0005
40	30	1775	324T	EFM2539T	46	313	118	94.2	94.8	94.5	72	82	86	6312	6311	E1	26.69	CD0180
50	37	1775	326T	EFM2543T	57	378	148	94.5	94.9	94.5	75	84	87	6312	6311	E1	27.69	CD0180
60	45	1775	364T	EFM2547T	68	470	177	94.9	95.3	95.0	77	85	87	6313	6311	E1	30.69	CD0180

NOTE: E1=230/460 volts usable at 208, F=230/460 volts.

① Amps at 460V - double for 230V.

See page 62 for Layout drawing. See page 75 for Connection Diagrams.

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

ODP - Open Drip Proof - Foot Mounted, 200 Volts, Three Phase, 1 - 100 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		"C" Dim.	Conn. Diag. No.
					Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE		
F1 Mounting																	
1	0.75	1800	143T	EM3116T-8	3.2	24.8	3	83.3	85.6	85.5	57	70	78	6205	6203	11.12	CD0006
1 1/2	1.1	1800	145T	EM3154T-8	4.8	40.3	4.5	85.4	87.1	86.5	56	69	77	6205	6203	12.12	CD0006
2	1.5	1800	145T	EM3157T-8	6.1	43.2	6	88.0	88.4	86.5	65	76	82	6205	6203	13.00	CD0006
3	2.2	1800	182T	EM3211T-8	9.3	74	9	89.1	90.0	89.5	58	71	77	6206	6205	15.00	CD0006
5	3.7	1800	184T	EM3218T-8	15.0	115	15	91.3	91.6	89.5	60	73	80	6206	6205	15.00	CD0006
7 1/2	5.6	1800	213T	EM3311T-8	22.4	162	22.1	90.7	92.0	91.7	58	72	78	6307	6206	16.32	CD0006
10	7.5	1800	215T	EM3313T-8	29.5	207	29.7	91.5	92.1	91.7	68	78	82	6307	6206	17.45	CD0006
15	11.2	1800	254T	EM2513T-8	40.7	271	44.6	93.3	93.5	93.0	70	81	85	6309	6208	21.69	CD0006
20	14.9	3600	254T	EM2514T-8	52.3	336	29.9	93.5	93.3	92.4	72	81	89	6309	6208	21.69	CD0695
	14.9	1800	256T	EM2515T-8	54.3	373	59	92.1	93.0	93.0	65	75	85	6309	6208	21.69	CD0695
25	18.7	3600	256T	EM2516T-8	63.2	475	37	91.3	92.8	93.0	78	85	92	6309	6208	21.69	CD0695
	18.7	1800	284T	EM2531T-8	69.5	438	74.1	93.4	94.2	94.1	69	79	82	6311	6309	23.81	CD0695
30	22.4	1800	286T	EM2535T-8	81.0	514	88.9	93.6	94.2	94.1	72	82	85	6311	6309	25.06	CD0695
40	30	3600	286TS	EM2538T-8	105.0	825	59.8	94.4	94.7	94.1	79	85	88	6311	6309	23.69	CD0695
	30	1800	324T	EM2539T-8	107.0	730	118	93.1	94.2	94.5	67	78	85	6312	6311	26.69	CD0695
50	37	1800	326T	EM2543T-8	132.0	877	148	93.6	94.4	94.5	70	80	87	6312	6311	27.69	CD0695
60	45	1800	364T	EM2547T-8	160.0	1080	177	94.9	95.3	95.0	77	85	87	6313	6311	30.69	CD0695
75	56	1800	365T	EM2551T-8	195.0	1175	222	95.4	95.7	95.0	76	83	86	6313	6312	29.69	CD0695
100	75	1800	404T	EM2555T-8	263.0	1745	295	95.4	95.8	95.4	69	79	85	6316	6312	36.97	CD0695
F2 Mounting																	
2	1.5	1800	145T	EFM3157T-8	6.1	43.2	6	88.0	88.4	86.5	65	76	82	6205	6203	13.00	CD0006
3	2.2	1800	182T	EFM3211T-8	9.3	74	9	89.1	90.0	89.5	58	71	77	6206	6205	15.00	CD0006
5	3.7	1800	184T	EFM3218T-8	15.0	115	15	91.3	91.6	89.5	60	73	80	6206	6205	15.00	CD0006
7 1/2	5.6	1800	213T	EFM3311T-8	22.4	162	22.1	90.7	92.0	91.7	58	72	79	6307	6206	16.32	CD0006
10	7.5	1800	215T	EFM3313T-8	29.5	207	29.7	91.5	92.1	91.7	68	78	82	6307	6206	17.45	CD0006
15	11.2	1800	254T	EFM2513T-8	40.7	271	44.6	93.3	93.5	93.0	70	81	85	6309	6208	21.69	CD0006
20	15	1800	256T	EFM2515T-8	54.3	373	59	92.1	93.0	93.0	65	75	85	6309	6208	21.69	CD0695

NOTES: See page 62 for Layout drawings. See page 75 for Connection Diagrams. Shaded ratings are cast iron frames.
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

ODP - Open Drip Proof - Rigid Base, 575 Volts, Three Phase, 1 - 60 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		"C" Dim.	Conn. Diag. No.
					Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE		
1	0.75	1740	143T	EM3116T-5	1.1	8.6	3.0	83.3	85.6	85.5	57	70	78	6205	6203	11.12	CD0006
1 1/2	1.1	1740	145T	EM3154T-5	1.7	14	4.5	85.4	87.1	86.5	56	69	77	6205	6203	12.12	CD0006
2	1.5	1725	145T	EM3157T-5	2.1	15	6.0	86.5	86.8	86.5	66	77	82	6205	6203	13.00	CD0006
3	2.2	1760	182T	EM3211T-5	3.1	25.6	9.0	89.1	90.0	89.5	58	71	77	6206	6205	15.00	CD0006
5	3.7	1750	184T	EM3218T-5	5.2	40	15	91.3	91.6	89.5	60	73	80	6206	6205	15.00	CD0006
7 1/2	5.6	1760	213T	EM3311T-5	8.0	43.6	22.5	89.6	90.0	91.0	61	73	79	6307	6206	16.32	CD0006
10	7.5	1760	215T	EM3313T-5	10.2	71.7	30	91.0	92.1	91.7	62	75	79	6307	6206	18.20	CD0006
15	11.2	1765	254T	EM2513T-5	14.1	94	44.6	93.3	93.5	93.0	65	77	86	6309	6208	21.69	CD0006
20	14.9	1765	256T	EM2515T-5	18.9	130	59.4	92.5	93.2	93.0	65	82	85	6309	6208	21.69	CD0006
25	18.7	1770	284T	EM2531T-5	24.2	155	74	93.4	94.2	94.1	62	73	82	6311	6309	23.81	CD0006
30	22.4	1770	286T	EM2535T-5	28	179	88.9	93.6	94.2	94.1	72	82	85	6311	6309	25.06	CD0006
40	30	1775	324T	EM2539T-5	37.4	250	118	94.2	94.8	94.5	72	82	85	6312	6311	26.69	CD0006
50	37	1775	326T	EM2543T-5	46	305	148	93.5	94.4	94.5	69	79	87	6312	6311	27.69	CD0006
60	45	1775	364T	EM2547T-5	56	376	177	94.9	95.3	95.0	77	85	87	6313	6311	30.69	CD0006

NOTE: See page 62 for Layout drawing. See page 75 for Connection Diagrams.
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Explosion-Proof Super-E® Premium Efficient Motors

Baldor explosion-proof motors are designed for a wide variety of applications where hazardous fumes or dust may pose a potential hazard. In applications where explosion-proof motors are operated continuously, the Baldor Explosion-Proof Super-E® premium efficient motor is a better choice than a standard efficiency explosion-proof motor.

Available from stock in 1 through 60 Hp (larger sizes as customs in ten working days), Baldor explosion-proof motors feature cast-iron frames and endplates on NEMA 182T frame sizes and larger. NEMA 215T and smaller frames feature a rugged industrial rolled steel band construction with external through-bolts. Mounted conduit boxes are UL and CSA approved for Class I – Group C & D, or Class II – Groups F and G. Motors are covered with a chemical resistant, two-part epoxy paint.

Explosion-Proof, TEFC - Totally Enclosed Fan Cooled - 230/460 Volts, Foot Mounted, Three Phase, 1 - 60 Hp

Hp	kW	RPM	Frame	Catalog No.	XP Cls/ Grp	Amps @ 460 V ①		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		Volt Code	"C" Dim.	Conn. Diag. No.
						Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE			
1	0.75	1750	143T	EM7014T	③	1.4	14	3.0	83.8	86.2	86.5	58	72	78	6205	6203	U	15.23	CD0005
	0.75	1765	143T	EM7114T-C	②	1.5	15	3.0	84.4	87.0	87.5	48	60	70	6205	6203	U	16.28	CD0005
1 1/2	1.1	1740	145T	EM7034T	③	2.0	15.6	4.5	86.6	87.4	86.5	65	76	82	6205	6203	U	16.10	CD0005
	1.1	1760	145T	EM7134T-C	②	2.1	18	4.5	86.8	88.4	88.5	54	67	76	6205	6203	E1	16.28	CD0005
2	1.5	1725	145T	EM7037T	③	2.7	19.6	6.0	87.9	88.3	86.5	64	76	82	6205	6203	E	16.10	CD0005
	1.5	1725	145T	EM7137T-C	②	2.7	20.8	6.0	87.3	88.2	86.5	65	77	82	6205	6203	E	16.28	CD0005
3	2.2	1760	182T	EM7142T-C	②	4.0	32	9.0	89.1	90.0	89.5	58	71	80	6206	6205	U	17.56	CD0005
5	3.7	1750	184T	EM7144T-C	②	6.5	54	15	90.3	91.2	90.2	60	73	80	6206	6205	U	17.56	CD0005
7 1/2	5.6	1770	213T	EM7147T-C	②	9.5	68	22.1	91.6	92.3	91.7	65	76	81	6307	6206	U	19.91	CD0005
10	7.5	1760	215T	EM7170T	③	12.5	88.5	29.8	92.9	93.1	92.4	67	78	82	6307	6206	F	19.90	CD0005
	7.5	1760	215T	EM7170T-C	②	12.5	88.5	29.8	92.9	93.1	92.4	67	78	82	6307	6206	U	19.91	CD0005
15	11.2	1765	254T	EM7054T	③	18	125	45	92.1	93.0	92.4	71	81	84	6309	6208	U	25.50	CD0005
	11.2	1765	254T	EM7054T-C	②	18	125	45	92.1	93.0	92.4	71	81	84	6309	6208	U	25.50	CD0005
20	14.9	1765	256T	EM7056T	③	24	171	60	92.9	93.5	93.0	67	79	84	6309	6208	U	25.50	CD0180
	14.9	1765	256T	EM7056T-C	②	24	171	60	92.9	93.5	93.0	67	79	84	6309	6208	U	25.50	CD0180
25	18.7	1780	284T	EM7058T	③	30.5	188	74	93.4	93.9	93.6	69	78	82	6311	6309	U	28.61	CD0005
	18.7	1780	284T	EM7058T-C	②	30.5	188	74	93.4	93.9	93.6	69	78	82	6311	6309	U	28.61	CD0005
30	22.4	1780	286T	EM7060T	③	36	214	90	93.8	94.4	94.1	69	79	84	6311	6309	U	28.61	CD0005
	22.4	1780	286T	EM7060T-C	②	36	214	90	93.8	94.4	94.1	69	79	84	6311	6309	U	28.61	CD0005
40	30	1775	324T	EM7062T	③	46	320	118	93.9	94.6	94.5	73	81	86	6312	6311	U	32.00	CD0180
	30	1775	324T	EM7062T-C	②	46	320	118	93.9	94.6	94.5	73	81	86	6312	6311	U	32.12	CD0180
50	37	1775	326T	EM7064T	③	57	392	149	94.4	94.9	94.5	73	82	87	6312	6311	U	32.00	CD0180
	37	1775	326T	EM7064T-C	②	57	392	149	94.4	94.9	94.5	73	82	87	6312	6311	U	32.12	CD0180
60	45	1780	364T	EM7066T	③	69	447	177	94.7	95.2	95.5	74	82	86	6313	6312	U	33.25	CD0180
	45	1780	364T	EM7066T-C	③	69	447	177	94.7	95.2	94.5	74	82	86	6313	6312	U	33.25	CD0180

NOTE: E=208-230/460 volts; E1=230/460 Volts, usable at 208 volts; F=230/460 volts; U=190/380//230/460 volts, 50//60 Hz.

Shaded ratings are cast iron frames.

① Amps at 460V - double for 230V.

② Class I Group C and D, Class II Group F and G, T4.

③ Class I Group D, Class II Group F and G, T3C.

See page 63 for Layout drawing. See page 75 for Connection Diagrams.

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

These explosion proof motors are not suitable for use with adjustable speed drives; inverter duty explosion-proof motors must be used.

Explosion-Proof
Super-E® Premium Efficient Motors
Class I, Grp. D, Class II, Grp. E, F & G

Baldor explosion-proof motors are designed for a wide variety of applications where harsh industrial environments containing hazardous gas and vapor, dust, fibers, filings or other material that may have explosive properties.

Designed with Super-E NEMA Premium® efficiency, Severe Duty, XEX features, 1.15 service factor, UL and CSA approved for Class I, Group D, Class 2; Group E, F & G, T3C.

Explosion Proof, ECP/XEX, TEFC - Totally Enclosed Fan Cooled - Foot Mounted, 230/460 and 460 Volts, Three Phase, 1 - 150 Hp

Hp	kW	RPM	Frame	Catalog No.	XP Cls/ Grp	Amps @ 460 V ①		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		Volt Code	"C" Dim.	Conn. Diag. No.
						Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE			
3	2.2	1800	L182T	P18G534	③	4.2	32.0	8.96	88.1	89.5	89.5	55	68	76	6206	6205	F	15.62	416820-1
5	3.7	3600	L184T	P18G583	③	6.0	44.0	7.5	89.2	89.6	88.5	74	84	88	6206	6205	F	15.62	416820-1
	3.7	1800	L184T	P18G535	③	6.6	46.0	15	89.4	90.1	89.5	62	74	80	6206	6205	F	17.12	416820-1
7 1/2	5.6	1800	213T	P21G545	③	9.4	63.5	22.3	91.7	92.2	91.7	64	76	81	6208	6206	F	19.25	416820-2
10	7.5	3600	215T	P21G582	③	11.1	81.2	15	92.4	92.0	91.0	86	91	94	6208	6206	F	19.25	416820-1
	7.5	1800	L215T	P21G546	③	11.9	79.9	29.9	90.9	91.0	91.7	78	85	87	6208	6206	F	20.12	416820-2
15	11.2	1800	254T	P25G539	③	18.1	116	44.6	92.3	92.8	92.4	75	82	84	6309	6309	G	24.56	416820-25
	11.2	1800	254T	P25G545	③	18.1	116	44.6	92.3	92.8	92.4	75	82	84	6309	6309	F	24.56	416820-2
20	15	3600	256T	P25G581	③	22.3	145	29.8	92.3	92.4	91.7	86	90	91	6309	6309	F	24.56	416820-2
	15	1800	256T	P25G540	③	24	145	59.6	92.7	93.1	93.0	76	82	84	6309	6309	G	24.56	416820-25
	15	1800	256T	P25G546	③	24	145	59.6	92.7	93.1	93.0	76	82	84	6309	6309	F	24.56	416820-2
25	18.7	1800	284T	P28G507	③	29.7	182	74.1	94.1	94.2	93.6	77	83	84	6310	6310	G	27.44	416820-25
	18.7	1800	284T	P28G520	③	29.7	182	74.1	94.1	94.2	93.6	77	83	84	6310	6310	F	27.44	416820-2
30	22.4	1800	286T	P28G508	③	36.1	217	89.1	94.1	94.2	93.6	74	81	83	6310	6310	G	27.44	416820-25
	22.4	1800	286T	P28G521	③	36.1	217	89.1	94.1	94.2	93.6	74	81	83	6310	6310	F	27.44	416820-2
40	30	1800	324T	P32G505	③	47.7	287	118	94.6	94.7	94.1	73	80	83	6311	6311	G	30.44	416820-25
	30	1800	324T	P32G515	③	47.7	287	118	94.6	94.7	94.1	73	80	83	6311	6311	F	30.44	416820-2
50	37	1800	326T	P32G516	③	58.4	355	148	95.1	95.1	94.5	76	82	84	6311	6311	F	30.44	416820-2
60	45	1800	364T	P36G563	③	68	430	177	95.2	95.3	95.0	79	85	87	6313	6313	G	33.44	416820-25
75	56	1800	365T	P36G564	③	86	542	221	95.1	95.3	95.4	78	84	86	6313	6313	G	33.44	416820-25
100	75	1800	405T	P40G292	③	112	725	295	95.0	95.7	95.4	83	87	87	6316	6316	G	38.31	416820-25
125	93	1800	444T	P44G435	③	139	907	368	96.0	95.9	95.8	81	87	88	6318	6318	G	44.62	416820-25
150	112	1800	445T	P44G438	③	165	1,085	441	96.0	96.5	96.2	83	88	89	6318	6318	G	44.62	416820-25

NOTE: F=230/460 volts, G= 460 volts.

Shaded ratings are cast iron frames.

① Amps at 460V - double for 230V.

③ Div.1, Class 1, Group D, Class 2, Group E, F, G, T3C.

See page 58 for Layout drawing. See page 75 for Connection Diagrams.

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

These explosion proof motors are not suitable for use with adjustable speed drives; inverter duty explosion-proof motors must be used.

SSE™ Super-E® Washdown Duty Stainless Motors

NEMA Premium®

Over the years, Baldor has worked with industry leaders in food processing to design washdown duty motors that meet and exceed their application demands.

Our new Stainless Super-E® washdown duty motors are another example of the best getting better. Baldor's SSE™ Stainless Super-E® is designed to perform longer than any other industrial electric motor available today, in the most corrosive and caustic applications subjected to frequent high-pressure sanitizing.

With unmatched quality and superior reliability, Baldor's new SSE Stainless Super-E motors have again set the standard that all other washdown duty motors will be judged against.

TEFC - Totally Enclosed Fan Cooled - TENV - Totally Enclosed Non-Ventilated - 230/460 Volts, Three Phase, 1 - 10 Hp

Hp	kW	RPM	Frame	Encl.	Catalog No.	Amps @ 460 V ①		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		Volt Code	"C" Dim.	Conn. Dia. No.
						Full Load	Locked Rotor		1/2	3/4	FL	1/2	3/4	FL	DE	ODE			
C-Face Foot Mounted																			
0.5	0.37	3500	56C	TENV	**CSSEWDM3537**	0.7	7.4	0.76	80.4	83.7	84.0	59	72	84	6205	6205	E	11.71	CD0005
	0.37	1740	56C	TENV	**CSSEWDM3538**	0.75	5.8	1.5	77.9	81.9	84.0	41	54	64	6205	6205	E	11.71	CD0005
0.75	0.55	3500	56C	TENV	**CSSEWDM3541**	1.0	10.4	1.13	85	86.8	86.5	67	79	85	6205	6205	E	11.71	CD0005
	0.55	1740	56C	TENV	**CSSEWDM3542**	1.0	9.1	2.26	84.7	85.9	84.0	60	73	81	6205	6205	E	12.71	CD0005
1	0.75	3450	56C	TENV	**CSSEWDM3545**	1.4	18.3	1.5	76.8	81.5	82.5	61	73	80	6205	6205	E	12.71	CD0005
	0.75	1760	56C	TENV	**CSSEWDM3546**	1.48	15.0	2.98	84.4	87.2	87.5	49	63	72	6205	6205	E1	12.71	CD0005
	0.75	1760	143TC	TENV	**CSSEWDM3546T**	1.48	15.0	2.98	84.4	87.2	87.5	49	63	72	6205	6205	E1	12.77	CD0005
1.5	1.1	3500	56C	TENV	**CSSEWDM3550**	1.8	20.6	2.31	82.3	85.2	85.5	77	86	90	6205	6205	E	13.59	CD0005
	1.1	3500	143TC	TENV	**CSSEWDM3550T**	1.8	20.6	2.31	82.3	85.2	88.5	77	86	90	6205	6205	E	13.65	CD0005
	1.1	1765	56C	TEFC	**CSSEWDM3554**	2.5	20.0	4.54	84.6	88.2	88.5	48	66	74	6205	6205	E1	14.75	CD0005
	1.1	1765	145TC	TEFC	**CSSEWDM3554T**	2.5	20.0	4.54	84.6	88.2	88.5	48	66	74	6205	6205	E1	14.81	CD0005
2	1.5	3500	145TC	TEFC	**CSSEWDM3555T**	2.5	31.0	3.0	83.7	86.0	86.5	76	85	90	6205	6205	E	14.81	CD0005
	1.5	1755	56C	TEFC	**CSSEWDM3558**	2.8	28.1	6.05	81.2	84.8	87.5	58	70	78	6205	6205	E	14.75	CD0005
	1.5	1740	145TC	TEFC	**CSSEWDM3558T**	2.72	24.9	6.05	81.2	88.7	88.5	58	70	78	6205	6205	E1	14.81	CD0005
3	2.2	3470	145TC	TEFC	**CSSEWDM3559T**	3.7	48.3	4.5	86.3	87.2	86.5	79	87	91	6205	6205	E	16.19	CD0005
	2.2	1760	182TC	TEFC	**CSSEWDM3611T**	4.0	32.0	9.0	89	90.0	89.5	62	74	80	6206	6206	E	17.75	CD0005
5	3.7	3500	184TC	TEFC	**CSSEWDM3613T**	5.6	62.5	7.5	89	89.9	89.5	85	92	95	6206	6206	E	17.75	CD0005
	3.7	1750	184TC	TEFC	**CSSEWDM3615T**	6.4	54.0	15.0	90.3	91.3	90.2	61	74	81	6206	6206	E	19.25	CD0005
7.5	5.6	3500	213T	TEFC	**CSSEWDM3709T**	8.3	87.0	11.5	90.9	92.1	91.0	79	90	93	6307	6307	E	20.43	CD0005
	5.6	1770	213T	TEFC	**CSSEWDM3710T**	9.5	73.0	22.3	91.6	92.2	91.7	65	75	81	6307	6307	F	21.62	CD0005
10	7.5	3500	215T	TEFC	**CSSEWDM3711T**	10.6	115	15.0	92	92.4	91.7	83	91	94	6307	6307	E	21.62	CD0005
	7.5	1770	215T	TEFC	**CSSEWDM3714T**	12.5	105	29.9	93	93.1	92.4	65	76	81	6307	6307	E	23.06	CD0005

NOTE: Volt Code: E = 208-230/460V, 60Hz; E1 = 230/460V, 60Hz, usable at 208V; F = 230/460V, 60 Hz.

① Amps at 460V - double for 230V.

See page 66 for Layout drawing. See page 75 for Connection Diagrams.

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

SSE™ Super-E® Washdown Duty Stainless Motors continued…

NEMA Premium®

TEFC - Totally Enclosed Fan Cooled - TENV - Totally Enclosed Non-Ventilated - 230/460 Volts, Three Phase, 1 - 10 Hp

Hp	kW	RPM	Frame	Encl.	Catalog No.	Amps @ 460 V ①		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		Volt Code	"C" Dim.	Conn. Diag. No.
						Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE			
C-Face Footless																			
0.5	0.37	3500	56C	TENV	**VSSEWDM3537**	0.7	7.4	0.76	80.4	83.7	84.0	59	72	84	6205	6205	E	11.71	CD0005
	0.37	1740	56C	TENV	**VSSEWDM3538**	0.75	5.8	1.5	78.6	80.9	81.5	60	72	80	6205	6205	E	11.71	CD0005
0.75	0.55	3500	56C	TENV	**VSSEWDM3541**	1.0	10.4	1.13	85.0	86.8	86.5	67	79	85	6205	6205	E	11.71	CD0005
	0.55	1740	56C	TENV	**VSSEWDM3542**	1.0	9.1	2.26	84.7	78.3	84.0	60	76	81	6205	6205	E	12.71	CD0005
1	0.75	3450	56C	TENV	**VSSEWDM3545**	1.48	18.3	1.5	76.8	81.5	82.5	61	73	80	6205	6205	E	12.71	CD0005
	0.75	1760	56C	TENV	**VSSEWDM3546**	1.48	15.0	3.06	84.4	87.2	87.5	49	63	72	6205	6205	E1	12.71	CD0005
	0.75	1760	143TC	TENV	**VSSEWDM3546T**	1.4	15.0	3.06	84.4	87.2	87.5	49	63	72	6205	6205	E1	12.77	CD0005
1.5	1.1	3500	56C	TENV	**VSSEWDM3550**	1.8	20.6	2.31	82.3	85.2	85.5	77	86	90	6205	6205	E	13.59	CD0005
	1.1	3500	143TC	TENV	**VSSEWDM3550T**	1.8	20.6	2.31	82.3	85.2	88.5	77	86	90	6205	6205	E	13.65	CD0005
	1.1	1765	56C	TEFC	**VSSEWDM3554**	2.5	20.0	4.54	86.0	88.2	88.5	52	66	74	6205	6205	E1	14.75	CD0005
	1.1	1765	145TC	TEFC	**VSSEWDM3554T**	2.5	20.0	4.54	86.0	88.2	88.5	52	66	74	6205	6205	E1	14.81	CD0005
2	1.5	3500	145TC	TEFC	**VSSEWDM3555T**	2.5	31.0	3.0	83.7	86.0	86.5	76	85	90	6205	6205	E	14.81	CD0005
	1.5	1755	56C	TEFC	**VSSEWDM3558**	2.8	28.1	6.05	81.7	84.8	88.5	57	70	78	6205	6205	E	14.75	CD0005
	1.5	1740	145TC	TEFC	**VSSEWDM3558T**	2.72	24.9	6.05	81.7	88.7	88.5	57	70	78	6205	6205	E1	14.81	CD0005

NOTE: Volt Code: E = 208-230/460V, 60Hz; E1 = 230/460V, 60Hz, usable at 208V; F = 230/460V, 60 Hz.
① Amps at 460V - double for 230V. See page 66 for Layout drawing. See page 75 for Connection Diagrams.
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

IEC SSE Washdown Duty™ Stainless Motors

EFF 1

Over the years, Baldor has worked with industry leaders in food processing to design Washdown Duty motors that meet and exceed their application demands. Our new Stainless Super-E® Washdown Duty motors are another example of the best getting better. Baldor's SSE™ Stainless Super-E is designed to perform longer than any other industrial electric motor available today, in the most corrosive and caustic applications subjected to frequent high-pressure sanitizing (IP56). These motors meet or exceed the efficiency levels defined by CEMEP Eff 1 in Europe. With unmatched quality and superior reliability, Baldor's new SSE Stainless Super-E motors have again set the standard that all other washdown duty motors will be judged against.

TEFC - Totally Enclosed Fan Cooled - TENV - Totally Enclosed Non-Ventilated - 240/380-415 and 380-415 Volts, Three Phase, 50 Hz, 0.37 - 1.5 kW

kW	RPM	IEC Frame	Catalog Number	Amps Full Load	Efficiency Full Load	Power Factor Full Load	Voltage Code	Length mm (in)	Connection Diagram	Bearing Each End
B14 C-Face with B3 Base										
1.1	1460	D90C	**CSSEWDM90114C-57**	2.5	88.5	74	R	365 (14.36)	CD0022	6205
1.5	1450	D90C	**CSSEWDM90154C-57**	3.2	88.5	78	R	400 (15.74)	CD0022	6205
B5 Flange without Base										
0.37	1450	D80D ▮	**VSSEWDM80044D-57**	0.8	80.0	82	R	277 (10.92)	CD0022	6205
0.55	1440	D80D ▮	**VSSEWDM80064D-57**	1.2	81.5	82	R	303 (11.92)	CD0022	6205
0.75	1440	D80D ▮	**VSSEWDM80084D-57**	1.9	75.5	73	R	340 (13.37)	CD0022	6205
1.1	1440	D90D	**VSSEWDM90114D-57**	2.3	85.9	80	R	402 (15.82)	CD0022	6205
1.5	1440	D90D	**VSSEWDM90154D-57**	3.1	87.0	80	R	437 (17.20)	CD0022	6205

NOTE: R = 240 / 380-415 volts 50 Hz, usable on 460 volt 60 Hz. S = 380-415 volts 50 Hz, usable on 460 volt 60 Hz. Full load amps @ 400 volt nominal – 50 Hz.
▮ = TENV - Totally Enclosed Non-Ventilated enclosure. See page 76 for Connection Diagrams.
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

All Stainless Motors

NEMA Premium

In applications where additional protection is required against highly corrosive environments, Baldor's All Stainless Washdown Duty motors are the answer. Typical applications include outdoor installations, or applications where particularly corrosive agents are being processed or used for washdowns, as in pharmaceuticals. Features include 300 Series stainless steel on all external surfaces, encapsulated windings, and a labyrinth seal on both ends of the shaft extension to protect motor bearings by rotating and expelling contaminants.

TEFC - Totally Enclosed Fan Cooled - 230/460 Volts, Three Phase, 3 - 20 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps 460 V ①		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		Volt Code	"C" Dim.	Conn. Diag. No.
					Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE			
C-Face Foot Mounted																		
3	2.2	1760	182TC	**CESSWDM3611T**	4.0	32	9	89.0	90.0	89.5	63	74	80	6206	6205	F	16.82	CD0005
5	3.7	3500	184TC	**CESSWDM3613T**	5.6	62.5	7.5	89.0	89.9	89.5	85	92	95	6206	6205	F	16.82	CD0005
	3.7	1750	184TC	**CESSWDM3615T**	6.4	54	15	90.3	90.9	90.2	62	74	81	6206	6205	E1	18.32	CD0005
7.5	5.6	3500	213TC	**CESSWDM3709T**	8.3	87	11.5	90.9	92.1	91.0	79	90	93	6307	6206	F	19.03	CD0005
	5.6	1770	213TC	**CESSWDM3710T**	10.2	72	22.2	90.5	91.8	91.7	56	68	76	6307	6206	E1	20.16	CD0005
10	7.5	3500	215TC	**CESSWDM3711T**	10.6	115	15	92.0	92.4	91.7	83	91	94	6307	6206	E	20.16	CD0005
	7.5	1760	215TC	**CESSWDM3714T**	12.6	83.5	30	91.7	92.4	91.7	62	75	81	6307	6206	E1	20.91	CD0005
15	11.1	3500	254TC	**CESSWDM23994T**	16.5	145	22	89.6	91.1	91.0	84	90	92	6309	6208	F	24.67	CD0005
	11.1	1780	254TC	**CESSWDM23933T**	17.5	122	44	91.0	91.8	92.4	75	84	87	6309	6208	F	24.67	CD0005
20	15	3500	256TC	**CESSWDM41906T**	21.5	152	30	93.5	93.3	91.0	88	92	93	6309	6208	F	24.67	CD0005
	15	1780	256TC	**CESSWDM23934T**	23.4	162	59	92.9	93.4	93.0	75	83	86	6309	608	F	24.67	CD0005

NOTE: Volt Code: E1 = 230/460V, 60Hz, usable at 208V, F = 230/460 volts, 60 Hz.
① Amps at 460V - double for 230V. See page 66 for Layout drawing. See page 75 for Connection Diagrams.
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Paint Free Motors

NEMA Premium

Baldor "Paint-Free" Washdown Duty motors are designed for applications where use of caustic cleaning solutions and regular high-pressure wash downs may compromise the surface of a painted motor. Features include special processed cast endplates; 300 Series stainless steel motor frame, base, shaft and hardware; encapsulated windings; and a labyrinth seal on the drive end shaft extension to protect motor bearings by rotating and expelling contaminants. CES and VES motors are Super-E® with NEMA Premium® efficiency and 3-year warranty.

TEFC - Totally Enclosed Fan Cooled - TENV - Totally Enclosed Non-Ventilated - 230/460 Volts, Three Phase, 1 - 10 Hp

Hp	kW	RPM	Frame	Encl.	Catalog No.	Amps @ High V		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		Volt Code	"C" Dim.	Conn. Diag. No.
						Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE			
C-Face Foot Mounted																			
1	0.75	1740	56C	TENV	**CESWDM3546**	1.4	10.7	3.0	86.3	87.0	85.5	62	74	81	6205	6203	E	12.07	CD0005
1.5	1.1	1740	145TC	TENV	**CESWDM3554T**	2.0	17.6	4.5	87.7	88.3	86.5	61	74	81	6205	6203	E1	12.95	CD0005
2	1.5	1725	145TC	TEFC	**CESWDM3558T**	2.7	19.6	6.0	88.1	88.1	86.5	66	77	82	6205	6203	E	14.19	CD0005
3	2.2	1760	182TC	TEFC	**CESWDM3611T**	4.0	33.0	9.0	88.4	89.7	89.5	61	72	78	6206	6205	E	16.56	CD0005
5	3.7	1750	184TC	TEFC	**CESWDM3615T**	6.5	53.7	15.0	89.7	90.7	90.2	62	74	80	6206	6205	E1	18.04	CD0005
7.5	5.6	1770	213TC	TEFC	**CESWDM3710T**	10.2	72.0	22.2	90.5	91.8	91.7	56	68	76	6307	6206	E1	19.81	CD0005
10	7.5	1760	215TC	TEFC	**CESWDM3714T**	15.0	104	30.0	91.0	92.2	91.7	56	70	75	6307	6206	F	21.31	CD0005
C-Face Footless																			
1	0.75	1740	56C	TENV	**VESWDM3546**	1.4	10.7	3.0	86.3	87.0	85.5	62	74	81	6205	6203	E	12.07	CD0005
1.5	1.1	1740	56C	TENV	**VESWDM3554**	2.0	17.6	4.5	87.7	88.3	86.5	61	74	81	6205	6203	E1	12.95	CD0005
	1.1	1740	145TC	TENV	**VESWDM3554T**	2.0	17.6	4.5	87.7	88.3	86.5	61	74	81	6205	6203	E1	13.00	CD0005
2	1.5	1725	145TC	TEFC	**VESWDM3558T**	2.7	19.6	6.0	88.1	88.1	86.5	66	74	82	6205	6203	E	14.19	CD0005

NOTE: Volt Code: E = 208-230/460V, 60Hz; E1 = 230/460V, 60Hz, usable at 208V; F = 230/460V, 60 Hz.
See page 66 for Layout drawing. See page 75 for Connection Diagrams. Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Premium Efficient Super-E® Washdown Motors

For multi-shift food and pharmaceutical processing applications, Baldor Super-E® Washdown motors deliver both reliability and energy cost savings. These NEMA Premium® Inverter Ready motors share the rugged mechanical characteristics of Baldor's Standard Washdown Motors.

NEMA Premium

TEFC - Totally Enclosed Fan Cooled - TENV - Totally Enclosed Non-Ventilated - 230/460 Volts, Three Phase, 1 - 20 Hp

Hp	kW	RPM	Frame	Encl.	Catalog No.	Amps @ 460 V ①		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		Volt Code	"C" Dim.	Conn. Diag. No.
						Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE			
Foot Mounted																			
1	0.75	1740	143T	TENV	**EWDM3546T**	1.4	12.2	3.0	86.9	87.8	86.5	57	70	78	6205	6203	E	12.12	CD0005
1.5	1.1	1740	145T	TENV	**EWDM3554T**	2.0	17.6	4.5	87.7	88.3	86.5	61	74	81	6205	6203	E1	13.00	CD0005
2	1.5	1725	145T	TEFC	**EWDM3558T**	2.7	19.6	6.0	87.9	88.3	86.5	64	76	82	6205	6203	E	14.18	CD0005
3	2.2	1760	182T	TEFC	**EWDM3611T**	4.1	32.0	9.0	89.1	90.0	89.5	58	71	77	6206	6205	E	16.54	CD0005
5	3.7	1750	184T	TEFC	**EWDM3615T**	6.5	53.7	15.0	89.7	90.7	90.2	62	74	80	6206	6205	E1	18.04	CD0005
7.5	5.6	1770	213T	TEFC	**EWDM3710T**	9.4	72.0	22.2	92.2	91.8	91.7	63	75	81	6307	6206	E1	19.04	CD0005
10	7.5	1760	215T	TEFC	**EWDM3714T**	12.5	93.8	30.0	92.6	93.0	92.4	67	77	82	6307	6206	F	20.54	CD0005
C-Face Foot Mounted																			
1	0.75	3450	56C	TEFC	**CEWDM3545**	1.4	12.1	1.5	80.5	83.6	84.0	65	77	82	6205	6203	F	12.24	CD0005
	0.75	1750	56C	TENV	**CEWDM3546**	1.4	14.1	3.0	87.1	88.4	87.5	60	73	80	6205	6203	F	12.94	CD0005
	0.75	1740	143TC	TENV	**CEWDM3546T**	1.4	12.2	3.0	86.9	87.8	86.5	57	70	78	6205	6203	E	12.13	CD0005
	0.75	1150	56C	TEFC	**CEWDM3556**	1.8	9.9	4.5	80.1	82.9	82.5	42	54	63	6205	6203	E	13.24	CD0005
1.5	1.1	3450	56C	TEFC	**CEWDM3550**	2.0	20.1	2.3	82.5	84.3	85.5	71	78	83	6205	6203	E	13.24	CD0005
	1.1	1740	145TC	TENV	**CEWDM3554T**	2.0	17.6	4.5	87.7	88.3	86.5	61	74	81	6205	6203	E1	13.00	CD0005
2	1.5	3450	56HCY	TEFC	**CEWDM3555**	2.5	30.0	3.0	83.8	86.2	86.5	70	80	85	6205	6203	E	14.12	CD0005
	1.5	3450	145TC	TEFC	**CEWDM3555T**	2.5	30.0	3.0	83.8	86.2	86.5	70	80	85	6205	6203	E	14.17	CD0005
	1.5	1725	145TC	TEFC	**CEWDM3558T**	2.7	19.6	6.0	87.9	88.3	86.5	64	76	82	6205	6203	E	14.17	CD0005
3	2.2	3475	145TC	TEFC	**CEWDM3559T**	3.6	37.9	4.5	85.6	86.8	86.5	80	88	91	6205	6203	F	15.55	CD0005
	2.2	1760	182TC	TEFC	**CEWDM3611T**	4.1	32.0	9.0	89.1	90.0	89.5	58	71	77	6206	6205	E	16.54	CD0005
5	3.7	3500	184TC	TEFC	**CEWDM3613T**	5.6	55.0	7.5	91.0	90.8	89.5	83	90	93	6206	6205	E	16.54	CD0005
	3.7	1750	184TC	TEFC	**CEWDM3615T**	6.5	53.7	15.0	89.7	90.7	90.2	62	74	80	6206	6205	E1	18.04	CD0005
7.5	5.6	3500	213TC	TEFC	**CEWDM3709T**	8.6	86.0	11.2	90.0	91.2	91	81	88	90	6307	6206	E	19.65	CD0005
	5.6	1770	213TC	TEFC	**CEWDM3710T**	9.4	72.0	22.2	92.2	91.8	91.7	63	75	81	6307	6206	E1	19.78	CD0005
10	7.5	3500	215TC	TEFC	**CEWDM3711T**	11.2	120	15.0	90.8	92.9	91.7	82	89	92	6307	6206	E1	19.78	CD0005
	7.5	1760	215TC	TEFC	**CEWDM3714T**	12.5	93.8	30.0	92.6	93.0	92.4	67	77	82	6307	6206	F	20.53	CD0005
15	11.1	3500	254TC	TEFC	**CEWDM23994T**	16.6	161	22.2	92.6	92.8	91.0	81	87	90	6309	6206	F	21.94	CD0005
	11.1	3500	215TC	TEFC	**CEWDM3713T**	16.6	161	22.2	92.6	92.8	91.0	81	87	90	6307	6206	F	21.26	CD0005
	11.1	1765	254TC	TEFC	**CEWDM23933T**	18.0	125	45.0	92.1	93.0	92.4	71	81	84	6309	6208	F	23.57	CD0005
20	15	3520	256TC	TEFC	**CEWDM41906T**	22.5	166	29.8	92.5	93.0	92.4	79	86	90	6309	6208	F	23.57	CD0005
	15	1760	256TC	TEFC	**CEWDM23934T**	24.0	171	60.0	92.9	93.5	93.0	67	79	84	6309	6208	F	23.57	CD0005
C-Face Footless																			
1	0.75	1750	56C	TENV	**VEWDM3546**	1.4	14.1	3.0	87.1	88.4	87.5	60	73	80	6205	6203	F	12.94	CD0005
	0.75	1750	143TC	TENV	**VEWDM3546T**	1.4	14.1	3.0	87.1	88.4	87.5	60	73	80	6205	6203	F	13.00	CD0005
	0.75	1765	143TC	TEFC	**VEFWDM3546T**	1.5	15.0	3.0	84.4	87.0	87.5	48	60	70	6205	6203	E1	13.30	CD0005
1.5	1.1	1740	56C	TENV	**VEWDM3554**	2.0	17.6	4.5	87.7	88.3	86.5	61	74	81	6205	6203	E1	12.94	CD0005
	1.1	1740	145TC	TENV	**VEWDM3554T**	2.0	17.6	4.5	87.7	88.3	86.5	61	74	81	6205	6203	E1	13.00	CD0005
	1.1	1760	143TC	TEFC	**VEFWDM3554T**	2.1	19.7	4.5	87.1	88.2	89.5	54	68	76	6205	6203	E1	14.18	CD0005
2	1.5	1725	56C	TEFC	**VEWDM3558**	2.7	19.6	6.0	87.9	88.3	86.5	64	76	82	6205	6203	E	14.18	CD0005
	1.5	1725	145TC	TEFC	**VEWDM3558T**	2.7	19.6	6	87.9	88.3	86.5	64	76	82	6205	6203	E	14.18	CD0005
3	2.2	1760	182TC	TEFC	**VEWDM3611T**	4.1	32.0	9.0	89.1	90.0	89.5	58	71	77	6206	6205	E	16.54	CD0005
5	3.7	1750	184TC	TEFC	**VEWDM3615T**	6.5	53.7	15.0	89.7	90.7	90.2	62	74	80	6206	6205	E1	18.05	CD0005
7.5	5.6	1770	213TC	TEFC	**VEWDM3710T**	9.4	72.0	22.2	92.2	91.8	91.7	63	75	81	6307	6206	E1	19.78	CD0005
10	7.5	1760	215TC	TEFC	**VEWDM3714T**	12.5	93.8	30.0	92.6	93.0	92.4	67	77	82	6307	6206	E	21.27	CD0005

NOTE: Volt Code: E = 208-230/460V, 60Hz; E1 = 230/460V, 60Hz, usable at 208V; F = 230/460V, 60 Hz; H = 575V, 60Hz.
① Amps at 460V - double for 230V.
See page 66 for Layout drawing. See page 75 for Connection Diagrams.
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Premium Efficient Super-E® Washdown Motors

For multi-shift food and pharmaceutical processing applications, Baldor Super-E® Washdown motors deliver both reliability and energy cost savings. These NEMA Premium® Inverter Ready motors share the rugged mechanical characteristics of Baldor's Standard Washdown Motors.

TEFC - Totally Enclosed Fan Cooled - TENV - Totally Enclosed Non-Ventilated - C-Face, Foot Mounted, 575 Volts, Three Phase, 1 - 20 Hp

Hp	kW	RPM	Frame	Encl.	Catalog No.	Amps		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		"C" Dim.	Conn. Diag. No.
						Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE		
1	0.75	1800	56C	TENV	CEWDM3546-5	1.1	12	3	82.9	85.9	87.5	54	68	80	6205	6203	12.94	CD0006
1 1/2	1.1	1800	145TC	TENV	CEWDM3554T-5	1.6	14	4.5	86.1	87.4	86.5	60	73	83	6205	6203	13	CD0006
2	1.5	1800	145TC	TEFC	CEWDM3558T-5	2.2	15.7	6	88.1	88.1	86.5	66	77	82	6205	6203	14.16	CD0006
3	2.2	1800	182TC	TEFC	CEWDM3611T-5	3.1	25.6	9	89.1	90	89.5	58	71	77	6206	6205	16.54	CD0006
5	3.7	1800	184TC	TEFC	CEWDM3615T-5	5.2	43	15	89.7	90.7	90.2	62	74	80	6206	6205	18.04	CD0006
7 1/2	5.6	1800	213TC	TEFC	CEWDM3710T-5	8.2	58	22	90.5	91.7	91.7	56	68	76	6206	6205	19.78	CD0006
10	7.5	1800	215TC	TEFC	CEWDM3714T-5	10.1	67	30	91.7	92.4	91.7	62	75	81	6206	6205	21.27	CD0006
15	11.2	1800	254TC	TEFC	CEWDM23933T-5	14.5	101	45	92	92.9	92.4	73	84	84	6206	6205	23.57	CD0006
20	14.9	1800	256TC	TEFC	CEWDM23934T-5	19	134	60	93	93.5	93	75	83	84	6206	6205	23.57	CD0006

See page 66 for Layout drawing. See page 75 for Connection Diagrams.
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Washdown Super-E® Brake Motors

Baldor Super-E brake motors meet or exceed NEMA Premium® efficiency and are built to the standards of Baldor's white washdown duty motors. These brake motors have their spring-set brakes mounted opposite the drive end, allowing a NEMA-standard BA dimension. Brake coils are connected inside the conduit box allowing easy access for separate connection when used with an adjustable speed drive.
Inverter Spike Resistant Insulation System.

TENV - Totally Enclosed Non-Ventilated - TEFC - Totally Enclosed Fan Cooled - C-Face, Foot Mounted, 230/460 volts, 1 - 5 Hp

Hp	kW	RPM	Frame	Encl.	Catalog No.	Amps @ 460 V ①		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Volt Code	"C" Dim.	Conn. Diag. No.	Brake Rating
						Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load				
1/2	0.37	1750	56C	TENV	CEWDBM3538	0.8	6.3	1.5	76.6	80.8	82.5	54	67	72	F	15.31	CD0005	3
3/4	0.56	1740	56C	TENV	CEWDBM3542	1.1	17.3	2.3	80.5	83.4	82.5	55	67	75	F	15.31	CD0005	6
1	0.75	1740	56C	TENV	CEWDBM3546	1.4	12.2	3.0	86.9	87.8	86.5	57	70	78	E	16.31	CD0005	6
	0.75	1740	143TC	TENV	CEWDBM3546T	1.4	12.2	3.0	86.9	87.8	86.5	57	70	78	E	17.26	CD0005	10
1 1/2	1.1	1740	145TC	TENV	CEWDBM3554T	2.0	17.6	4.5	87.7	88.3	86.5	61	74	81	E1	18.14	CD0005	10
2	1.5	1725	145TC	TEFC	CEWDBM3558T	2.7	19.6	6.0	87.9	88.3	86.5	64	76	82	E	19.44	CD0005	10
3	2.2	1760	182TC	TEFC	CEWDBM3611T	4.1	32.0	9.0	89.1	90.0	89.5	58	71	77	E	21.80	CD0005	15
5	3.7	1750	184TC	TEFC	CEWDBM3615T	6.5	53.7	15.0	89.7	90.7	90.2	62	74	80	E1	23.30	CD0005	25

NOTE: Volt Code: E = 208-230/460 volts, E1 = 230/460V, 60Hz, usable at 208V, F = 230/460 volts, 60 Hz.
① Amps at 460V - double for 230V. See pages 72 for Layout drawing. See page 75 for Connection Diagrams.
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Super-E® Premium Efficient Close Coupled Pump Motors

NEMA Premium®

Close Coupled Pump, TEFC, Premium Efficient motors are designed to meet a wide variety of applications for circulating and transferring fluids. These motors have a JM shaft configuration and have mounting that is designed to support the pump unit. These motors feature over-sized ball bearings with locked drive end construction to minimize endplay.

TEFC - Totally Enclosed Fan Cooled - JM Shaft Configuration, 230/460 Volts, Three Phase, 1 through 50 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps 460 V ①		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		Volt Code	"C" Dim.	Conn. Diag. No.
					Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE			
Foot Mounted																		
1	0.75	1765	143JM	EJMM3546T	1.5	15.0	3.0	84.4	87.0	87.5	48	60	70	6206	6203	E	15.43	CD0005
1 1/2	1.1	3450	143JM	EJMM3550T	2.0	20.1	2.3	81.3	85.5	85.5	68	78	83	6206	6203	E	15.43	CD0005
	1.1	1760	145JM	EJMM3554T	2.1	19.7	4.5	86.3	88.2	88.5	55	68	76	6206	6203	E1	16.31	CD0005
2	1.5	3450	145JM	EJMM3555T	2.5	30	3.0	83.8	86.2	86.5	70	80	85	6206	6203	E	16.31	CD0005
	1.5	1725	145JM	EJMM3558T	2.7	19.6	6.0	87.9	88.3	86.5	64	76	82	6206	6203	E	16.31	CD0005
3	2.2	3450	145JM	EJMM3559T	3.5	39.2	4.5	87.7	88.3	87.5	51	88	92	6207	6203	E	17.68	CD0005
	2.2	3450	182JM	EJMM3610T	3.5	39.2	4.6	87.7	88.3	87.5	51	88	92	6207	6203	E	18.19	CD0005
	2.2	1760	182JM	EJMM3611T	4.1	32	9.0	89.1	90.0	89.5	58	71	77	6207	6205	E	18.06	CD0005
5	3.7	3470	184JM	EJMM3613T	5.6	59.3	7.66	91.0	91.0	90.2	82	90	94	6207	6205	E	18.06	CD0005
	3.7	1750	184JM	EJMM3615T	6.5	53.7	15	89.7	90.7	90.2	62	74	80	6309	6205	E1	18.06	CD0005
7 1/2	5.6	3525	213JM	EJMM3709T	8.9	75	11.2	88.0	89.8	91.0	75	84	87	6309	6206	E1	19.81	CD0005
	5.6	1770	213JM	EJMM3710T	9.4	71.6	22.2	91.8	92.4	91.7	62	75	81	6309	6206	E1	20.94	CD0005
10	7.5	3500	215JM	EJMM3711T	11.2	120	15	92.7	92.9	91.7	82	89	92	6309	6206	E1	20.94	CD0005
	7.5	1770	215JM	EJMM3714T	12.5	93.8	29.9	92.6	93.0	92.4	67	77	82	6309	6206	E	22.44	CD0005
15	11.2	3525	254JM	EJMM2394T	17.2	128	22.2	90.8	91.9	91.7	78	86	88	6309	6208	E1	25.30	CD0180
	11.2	1765	254JM	EJMM2333T	18.5	123	44.6	91.9	92.6	92.4	66	77	82	6309	6208	E1	25.30	CD0005
20	14.9	3520	256JM	EJMM4106T	22.5	166	29.8	92.5	93.0	92.4	79	86	90	6309	6208	E1	25.30	CD0005
	14.9	1765	256JM	EJMM2334T	24	175	59	92.8	93.1	93.0	69	80	84	6309	6208	E1	25.30	CD0005
25	18.7	3530	284JM	EJMM4107T	28	196	37.2	92.4	93.2	93.0	82	89	91	6312	6309	E1	26.96	CD0180
	18.7	1770	284JM	EJMM4103T	30	188	74.2	92.4	93.6	93.6	72	81	84	6312	6309	E1	26.96	CD0005
30	22.4	3520	286JM	EJMM4108T	33	215	44.5	93.2	93.6	93.0	83	88	90	6312	6309	F	26.96	CD0180
	22.4	1770	286JM	EJMM4104T	36	246	89	93.8	94.4	94.1	66	75	83	6312	6309	E1	26.96	CD0005
40	30	3540	324JM	EJMM4109T	44	315	59.3	93.0	93.7	93.6	83	88	90	6312	6311	E1	30.53	CD0005
	30	1775	324JM	EJMM4110T	46	320	118	93.9	94.6	94.5	73	81	86	6312	6311	E1	30.53	CD0180
50	37	3540	326JM	EJMM4114T	54	422	74	93.8	94.4	94.1	85	90	92	6312	6311	E1	30.53	CD0005
	37	1775	326JM	EJMM4115T	57	392	149	94.4	94.9	94.5	73	82	87	6312	6311	E1	30.53	CD0180
Totally Enclosed Fan Cooled C-Face Footless																		
1	0.75	1765	143JM	VEJMM3546T	1.5	15	3.0	84.4	87.0	87.5	48	60	70	6206	6203	E	15.43	CD0005
1 1/2	1.1	1750	145JM	VEJMM3554T	2.1	20	4.5	86.4	87.7	87.5	57	71	78	6206	6203	E	15.43	CD0005
2	1.5	1750	145JM	VEJMM3558T	2.5	22	6.0	87.6	88.0	86.5	64	77	83	6206	6203	E	16.31	CD0005
3	2.2	1760	182JM	VEJMM3611T	4.1	32	9.0	89.1	90.0	89.5	58	71	77	6207	6205	E	18.05	CD0005
5	3.7	1750	184JM	VEJMM3615T	6.5	48	15	89.8	90.5	90.2	61	73	80	6207	6205	E	19.70	CD0005
7 1/2	5.6	1770	213JM	VEJMM3710T	9.4	71.6	22.3	91.8	90.4	91.7	62	75	81	6309	6206	E1	20.89	CD0005
10	7.5	1770	215JM	VEJMM3714T	12.5	92.8	29.9	92.6	93.0	92.4	67	77	82	6309	6206	E1	22.37	CD0005

NOTE: Volt Code: E=208-230/460 volts; E1=230/460 volts, usable at 208 volts; F=230/460 volts.

Shaded ratings are cast iron frames.

① Amps at 460V - double for 230V.

See page 64 for Layout drawing. See pages 75 for Connection Diagrams.

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

Super-E® Premium Efficient Close Coupled Pump Motors

NEMA Premium

Close Coupled Pump, TEFC, Premium Efficient motors are designed to meet a wide variety of applications for circulating and transferring fluids. These motors have a JP shaft configuration and have mounting that is designed to support the pump unit. These motors feature over-sized ball bearings with locked drive end construction to minimize endplay.

TEFC - Totally Enclosed Fan Cooled - JP Shaft Configuration, Foot Mounted, 230/460 Volts, Three Phase, 1 - 50 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps 460 V ①		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		Volt Code	"C" Dim.	Conn. Diag. No.
					Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE			
10	7.5	1800	215JP	EJPM3714T	12.5	93.8	29.9	92.6	93	92.4	67	77	82	6309	6206	E	26.29	CD0005
15	11.2	3600	254JP	EJPM2394T	17.2	128	22.2	90.8	91.9	91.7	78	86	88	6309	6208	E	28.16	CD0180
	11.2	1800	254JP	EJPM2333T	18.5	123	44.6	91.9	92.6	92.4	66	77	82	6309	6208	E	28.16	CD0005
20	14.9	3600	256JP	EJPM4106T	22.5	166	29.8	92.5	93	92.4	79	86	90	6309	6208	E	28.16	CD0005
	14.9	1800	256JP	EJPM2334T	24	175	59	92.8	93.1	93	69	80	84	6309	6208	E1	28.16	CD0005
25	18.7	3600	284JP	EJPM4107T	28	196	37.2	92.4	93.2	93	82	89	91	6312	6309	E1	29.84	CD0180
	18.7	1800	284JP	EJPM4103T	30	188	74.2	92.4	93.6	93.6	72	81	84	6312	6309	E1	29.84	CD0005
30	22.4	3600	286JP	EJPM4108T	33	215	44.5	93.2	93.6	93	83	88	90	6312	6309	E	29.84	CD0180
	22.4	1800	286JP	EJPM4104T	36	246	89	93.8	94.4	94.1	66	75	83	6312	6309	E1	29.84	CD0005
40	30	3600	324JP	EJPM4109T	44	315	59.3	93	93.7	93.6	83	88	90	6312	6311	E1	33.51	CD0005
	30	1800	324JP	EJPM4110T	46	320	118	93.9	94.6	94.5	73	81	86	6312	6311	E1	33.51	CD0180
50	37	3600	326JP	EJPM4114T	54	422	74	93.8	94.4	94.1	85	90	92	6312	6311	E1	33.51	CD0005
	37	1800	326JP	EJPM4115T	57	392	149	94.4	94.9	94.5	73	82	87	6312	6311	E1	33.51	CD0180

NOTE: Volt Code: E=208-230/460 volts; E1=230/460 volts, usable at 208 volts; F=230/460 volts.

Shaded ratings are cast iron frames.

① Amps at 460V - double for 230V.

See page 65 for Layout drawing. See pages 75 for Connection Diagrams.

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

Super-E® Premium Efficient Close Coupled Pump Motors

NEMA Premium®

Close Coupled Pump, ODP, Premium Efficient motors are designed to meet a wide variety of applications for circulating and transferring fluids. These motors have a JM shaft configuration and have mounting that is designed to support the pump unit. These motors feature over-sized ball bearings with locked drive end construction to minimize endplay. The open drip-proof design is furnished with rodent screens at both ends.

ODP - Open Drip Proof - JM Shaft Configuration, Foot Mounted, 230/460 Volts, Three Phase, 1 - 50 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps 460 V ①		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		Volt Code	"C" Dim.	Conn. Diag. No.
					Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE			
Foot Mounted																		
1	0.75	1740	143JM	**EJMM3116T**	1.4	10.8	3.0	83.3	85.6	85.5	57	70	78	6206	6203	E	13.75	CD0005
1 1/2	1.1	1760	145JM	**EJMM3154T**	2.1	18.5	4.5	87.1	88.6	88.5	54	68	76	6206	6203	E	15.13	CD0005
2	1.5	3450	145JM	**EJMM3155T**	2.5	22	3.0	87.8	88.1	86.5	78	86	90	6206	6203	E	13.75	CD0005
	1.5	1725	145JM	**EJMM3157T**	2.7	19.6	6.0	87.9	88.3	86.5	64	76	82	6206	6203	E	15.13	CD0005
3	2.2	3450	145JM	**EJMM3158T**	3.7	29	4.5	87.1	88.5	87.5	76	85	89	6206	6203	E1	15.13	CD0005
	2.2	1755	182JM	**EJMM3211T**	4.0	29.1	9.0	89.1	90.3	90.2	58	70	77	6207	6205	E1	16.50	CD0005
5	3.7	3490	182JM	**EJMM3212T**	5.6	59.9	7.6	92.0	91.9	91.0	83	90	93	6207	6205	E	16.50	CD0005
	3.7	1750	184JM	**EJMM3218T**	6.6	47.7	15	90.3	90.8	90.2	62	73	79	6207	6205	E1	18.00	CD0005
7 1/2	5.6	3500	184JM	**EJMM3219T**	8.4	87	11.2	91.3	91.6	90.2	85	90	93	6207	6205	E	18.00	CD0005
	5.6	1770	213JM	**EJMM3311T**	9.6	67.5	22.2	91.0	92.2	91.7	61	74	79	6309	6206	E1	18.19	CD0005
10	7.5	3500	213JM	**EJMM3312T**	11.5	98	15	90.9	92.0	91.7	81	87	90	6309	6206	E1	19.31	CD0005
	7.5	1760	215JM	**EJMM3313T**	12.5	88.3	29.7	91.6	92.3	91.7	66	77	82	6309	6206	E1	19.31	CD0005
15	11.2	3525	215JM	**EJMM3314T**	17	143	22.5	91.9	92.3	91.7	80	87	92	6309	6206	E1	19.31	CD0005
	11.2	1765	254JM	**EJMM2513T**	17.7	118	44.6	93.3	93.5	93.0	70	81	86	6309	6208	E1	23.19	CD0180
20	14.9	3510	254JM	**EJMM2514T**	22.5	145	29.9	93.5	93.3	92.4	79	87	90	6309	6208	E1	23.19	CD0180
	14.9	1800	256JM	**EJMM2515T**	23.5	160.8	59.4	92.5	93.2	93.0	71	81	86	6309	6208	E1	23.19	
25	18.7	3525	256JM	**EJMM2516T**	28	209	37.3	93.0	93.3	93.0	83	89	91	6309	6208	E1	23.19	CD0005
30	22.4	3530	284JM	**EJMM2534T**	34	234	44.8	92.6	93.5	93.6	80	87	89	6312	6309	F	24.69	CD0005
40	30	3540	286JM	**EJMM2538T**	45	355	59.8	94.4	94.7	94.1	79	85	88	6312	6309	F	25.94	CD0180
50	37	3530	324JM	**EJMM2542T**	55	408	74.2	94.7	94.8	94.1	82	87	90	6312	6309	F	27.44	CD0180
C-Face Footless																		
1	0.75	1750	143JM	**VEJMM3116T**	1.4	10.8	3.0	83.3	85.6	85.5	57	70	78	6206	6203	E	15.43	CD0005
1 1/2	1.1	1740	145JM	**VEJMM3154T**	2.0	15.6	4.5	86.6	87.4	86.5	65	76	82	6206	6203	E	16.31	CD0005
2	1.5	1725	145JM	**VEJMM3157T**	2.7	19.6	6.0	87.9	88.3	86.5	64	76	82	6206	6203	E	16.31	CD0005
3	2.2	1755	182JM	**VEJMM3211T**	4.0	29.1	9.0	88.1	90.3	90.2	58	70	77	6207	6205	E1	18.06	CD0005
5	3.7	1750	184JM	**VEJMM3218T**	6.6	47.7	15	90.3	90.8	90.2	62	73	79	6207	6205	E1	19.56	CD0005
7 1/2	5.6	1770	213JM	**VEJMM3311T**	9.6	67.5	22.2	91.0	92.2	91.7	61	74	79	6309	6206	E1	19.78	CD0005
10	7.5	1770	215JM	**VEJMM3313T**	12.5	88.2	29.7	91.6	92.3	91.7	66	77	82	6309	6206	E1	22.41	CD0005

NOTE: Volt Code: E=208-230, E1=230/460 volts, usable at 208 volts.

① Amps at 460V - double for 230V.

See page 67 for Layout drawing. See pages 75 for Connection Diagrams.

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

Super-E® Premium Efficient Close Coupled Pump Motors

NEMA Premium

Close Coupled Pump, ODP, Premium Efficient motors are designed to meet a wide variety of applications for circulating and transferring fluids. These motors have a JP shaft configuration and have mounting that is designed to support the pump unit. These motors feature over-sized ball bearings with locked drive end construction to minimize endplay. The open drip-proof design is furnished with rodent screens at both ends.

ODP - Open Drip Proof - JP Shaft Configuration, Foot Mounted, 230/460 Volts, Three Phase, 1 - 50 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps 460 V ①		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		Volt Code	"C" Dim.	Conn. Diag. No.
					Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE			
10	7.5	3600	213JP	EJPM3312T	11.5	98	15	90.9	92	91.7	81	87	90	6309	6206	E1	22.07	CD0005
	7.5	1800	215JP	EJPM3313T	12.9	96	29.6	90.8	91.8	91.7	61	72	80	6309	6206	E1	22.07	CD0005
15	11.2	3600	215JP	EJPM3314T	17	143	22.5	91.9	92.3	91.7	80	87	92	6309	6206	E1	22.07	CD0005
	11.2	1765	254JP	EJPM2513T	17.7	118	44.6	93.3	93.5	93	70	81	86	6309	6208	E1	26.06	CD0180
20	14.9	3600	254JP	EJPM2514T	22.5	145	29.9	93.5	93.3	92.4	79	87	90	6309	6208	E1	26.06	CD0180
	14.9	1800	256JP	EJPM2515T	23.5	160.8	59.4	92.5	93.2	93	71	81	86	6309	6208	E1	26.06	CD0180
25	18.7	3600	256JP	EJPM2516T	28	209	37.3	93	93.3	93	83	89	91	6309	6208	E1	26.06	CD0005
	18.7	1800	284JP	EJPM2531T	29	190.3	74.1	93.4	93.3	93.6	70	80	86	6312	6309	E1	27.57	CD0180
30	22.4	3600	284JP	EJPM2534T	34	234	44.8	92.6	93.5	93.6	80	87	89	6312	6208	E1	29.44	CD0005
	22.4	1800	286JP	EJPM2535T	35	223.6	88.9	93.6	94.2	94.1	72	82	85	6312	6309	E1	28.82	CD0005
40	30	3600	286JP	EJPM2538T	45	355	59.8	94.4	94.7	94.1	79	85	88	6312	6208	E1	29.44	CD0180
	30	1800	324JP	EJPM2539T	47	280	118	93.6	94.4	94.1	76	82	85	6312	6311	E1	29.82	CD0180
50	37	3600	324JP	EJPM2542T	55	408	74.2	94.7	94.8	94.1	82	87	90	6312	6309	E1	30.32	CD0180
	37	1800	326JP	EJPM2543T	57	378	148	94.5	94.9	94.5	75	84	87	6312	6311	E1	30.82	CD0180

NOTE: Volt Code: E1=230/460 volts, usable at 208 volts.

① Amps at 460V - double for 230V.

See page 68 for Layout drawing. See pages 75 for Connection Diagrams.

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

Super-E® P-Base Vertical Pump Motors

These solid shaft motors are ideal for medium and high thrust in-line pump applications, including aerators for wastewater treatment plants, petroleum refineries, chemical plants, pulp and paper mills, and agriculture irrigation. Features include thrust bearings in an oil bath, 1.15 Service Factor, cast iron frame, corrosion resistant epoxy finish, shaft seals, and dual lifting lugs. VHECP Super-E® motors have NEMA Premium® efficiency and are Inverter Ready. Motors have severe duty features.

TEFC - Totally Enclosed Fan Cooled - P-Base, 230/460 Volts, Three Phase, 3 - 75 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps @ 460V ①		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		Max Thrust Load Lbs.	Volt Code	"C" Dim.	Conn. Diag. No.
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.	DE	ODE				
Super-E Efficiency - Normal Thrust																			
3	2.2	3500	182HP	VHECP3660T	3.5	37.6	4.5	87.9	89.6	89.5	73	84	89	6307	6206	420	F	22.18	CD0005
	2.2	1760	182HP	VHECP3661T	4.0	31.7	8.9	89.0	90.0	89.5	52	73	80	6307	6206	563	E1	22.18	CD0005
5	3.7	3500	184HP	VHECP3663T	5.7	64.8	7.5	89.7	90.8	90.2	76	85	90	6307	6206	420	F	22.18	CD0005
	3.7	1750	184HP	VHECP3665T	6.5	54.0	14.9	90.3	91.2	90.2	60	73	80	6307	6206	563	E1	22.18	CD0005
7.5	5.6	3525	213HP	VHECP3769T	8.6	75.0	11.2	90.0	91.4	91.0	79	87	90	6309	6206	650	E1	22.33	CD0005
	5.6	1770	213HP	VHECP3770T	9.5	68.0	22.1	91.6	92.3	91.7	65	76	81	6309	6206	563	F	22.33	CD0005
10	7.5	3500	215HP	VHECP3771T	11.2	120	15.0	92.7	92.9	91.7	82	89	92	6309	6206	760	E1	22.33	CD0005
	7.5	1760	215HP	VHECP3774T	12.5	88.5	29.8	92.9	93.1	92.4	67	78	82	6309	6206	563	F	22.33	CD0005
15	11.2	3525	254HP	VHECP2394T	17.2	128	22.2	90.8	91.9	91.7	78	86	88	6311	6208	895	E1	25.73	CD0180
	11.2	1765	254HP	VHECP2333T	18.5	123	44.6	91.9	92.6	92.4	66	77	82	6311	6208	1180	E1	25.73	CD0005
20	14.9	3540	256HP	VHECP4106T	23.0	201	29.7	91.1	92.3	92.4	74	84	89	6311	6208	895	E1	25.73	CD0180
	14.9	1765	256HP	VHECP2334T	24.0	175	59.0	92.8	93.1	93.0	69	80	84	6311	6208	1180	E1	25.73	CD0005
25	18.6	3530	284HP	VHECP4107T	28.0	236	37.2	93.0	93.5	93.0	82	89	91	6311	6208	895	E1	25.72	CD0180
	18.6	1770	284HP	VHECP4103T	30.0	188	74.2	92.4	93.6	93.6	72	81	84	6311	6209	1180	E1	30.69	CD0005
30	22.4	3520	286HP	VHECP4108T	33.0	281	44.7	93.2	93.5	93.0	83	89	92	6311	6208	895	E1	25.72	CD0180
	22.4	1770	286HP	VHECP4104T	36.0	246	89.0	93.8	94.4	94.1	66	75	83	6311	6209	1180	E1	30.69	CD0005
40	30	3540	324HP	VHECP4109T	45.0	286	59.5	93.9	94.4	93.6	82	88	90	6312	6211	760	E1	34.72	CD0005
	30	1775	324HP	VHECP4110T	46.0	320	118	93.9	94.6	94.5	73	81	86	6312	6211	1360	E1	34.72	CD0180
50	37	3540	326HP	VHECP4114T	54.0	422	74.0	93.8	94.4	94.1	85	90	92	6312	6211	760	E1	34.72	CD0005
	37	1775	326HP	VHECP4115T	57.0	392	149	94.4	94.9	94.5	73	82	87	6312	6211	1360	E1	34.72	CD0180
60	45	3560	364HP	VHECP4310T	67.0	580	88.5	92.6	94.0	94.5	78	86	90	6313	6212	1500	E1	38.04	CD0180
	45	1780	364HP	VHECP4314T	69.0	447	177	94.7	95.2	95.0	74	82	86	6314	6212	2000	E1	38.04	CD0180
75	56	3565	365HP	VHECP4313T	83.0	740	111	93.4	94.6	94.5	81	87	90	6313	6212	1500	F	38.04	CD0180
	56	1780	365HP	VHECP4316T	86.5	649	222	94.9	95.5	95.4	73	81	85	6314	6212	2000	E1	38.04	CD0005

NOTE: * For 230V amps, double 460v amps.

Shaded ratings are cast iron frames.

① Amps at 460V - double for 230V.

See page 73 for Layout drawing. See page 75 for Connection Diagrams.

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

Super-E® Metric IEC Motors

Baldor's line of Metric Dimension Motors are designed for typical applications including pumps, fans, conveyors, machine tools, gear reducers and any other jobs that requires IEC Frames. These motors comply with AS/NZS 1359.2005 High Efficiency MEPS and exceed Eff1 CENELEC. Suitable for mounting in any position these motors meet IP55 protection and include cast iron frame, endplates, conduit box and fan cover. They have metric hardware and a terminal strip in the F2 mounted conduit box. Wye Delta connection is standard and thermistors are included on D160 frames and larger. Super-E Metric motors have an Inverter Spike Resistant Insulation System and are UL, CSA and CE compliant.

TEFC - Totally Enclosed Fan Cooled - Foot Mounted, F2 Mounting, 230/400 and 400 Volts, Three Phase, 4 - 200 kW

kW / Hp	RPM	Frame	Catalog No.		Amps @ 400 V		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		Volts	"L" Dim.	Conn. Diag. No.
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.	DE	ODE			
4 / 5	3000	D112M	**EM11042-57**		7	84.2	9.7	88.8	90.1	89.5	83	90	86	6206	6205	230/400	15.12	CD0022
5.5 / 7.5	3000	D132S	**EM13062-58**		9.2	80.1	13.2	89.5	90.3	90.2	89	93	88	6208	6206	400	18.23	CD0382
	1500	D132S	**EM13064-58**		11	73.2	26.2	91.7	92.0	90.7	64	75	82	6208	6206	400	18.23	CD0382
7.5 / 10	3000	D132S	**EM13082-58**		13	104	18	90.4	90.8	90.2	96	96	92	6208	6206	400	18.23	CD0382
	1500	D132M	**EM13084-58**		14.3	108	35.9	91.5	91.6	91.5	67	78	80	6208	6206	400	18.23	CD0382
11 / 15	3000	D160M	**EM16112-58**	(c)	20.3	148	27	91.3	91.5	91.7	80	88	91	6309	6208	400	23.5	CD0382
	1500	D160M	**EM16114-58**	(c)	21	152	53.1	91.0	92.1	92.4	61	74	80	6309	6208	400	23.5	CD0382
15 / 20	3000	D160M	**EM16152-58**	(c)	26	199	36	91.4	92.4	92.4	81	88	91	6309	6208	400	23.5	CD0006
	1500	D160L	**EM16154-58**	(c)	27.3	191	71.6	93.4	93.8	93.0	72	81	84	6309	6208	400	23.5	CD0382
18.5 / 25	3000	D160L	**EM16192-58**	(c)	32	249	44.6	92.7	93.2	92.4	83	89	92	6309	6208	400	23.5	CD0382
	1500	D180M	**EM18194-58**	(c)	33	226	89	91.4	93.3	93.6	62	73	84	6311	6309	400	27.48	CD0382
22 / 30	3000	D180M	**EM18222-58**	(c)	37	274	52.5	91.9	92.4	92.4	80	88	90	6311	6309	400	27.48	CD0382
	1500	D180L	**EM18224-58**	(c)	44	276	107	93.0	93.3	93.6	60	71	78	6311	6309	400	27.48	CD0382
30 / 40	3000	D200M	**EM20302-58**	(c)	50	367	71	86.0	91.0	93.6	86	91	89	6312	6311	400	29.45	CD0382
	1500	D200L	**EM20304-58**	(c)	52	360	142	93.4	94.0	94.1	73	80	87	6312	6311	400	29.45	CD0382
37 / 50	3000	D200M	**EM20372-58**	(c)	65	510	88.9	94.6	94.6	94.1	86	91	92	6312	6311	400	29.45	CD0382
	1500	D225M	**EM22374-58**	(c)	71	489	175	92.8	94.7	94.5	51	65	84	6313	6312	400	32.48	CD0382
45 / 60	3000	D225S	**EM22452-58**	(c)	75	579	107	93.3	94.1	93.7	81	87	90	6313	6312	400	31.3	CD0382
	1500	D225M	**EM22454-58**	(c)	86	500	213	93.5	94.5	94.5	72	81	85	6313	6312	400	32.48	CD0382
55 / 75	3000	D250S	**EM25552-58**	(c)	91	673	131	93.0	94.5	94.5	82	89	91	6313	6313	400	36.3	CD0382
	1500	D250M	**EM25554-58**	(c)	96	595	261	94.0	94.4	95.0	74	83	84	6316	6313	400	36.3	CD0382
75 / 100	3000	D280S	**EM28752-58**	(c)	122	926	178	95.0	95.7	95.4	78	86	89	6314	6313	400	41.14	CD0382
	1500	D250M	**EM25754-58**	(c)	124	951	355	94.6	94.9	95.0	76	85	88	6316	6313	400	36.3	CD0382
90 / 125	3000	D280S	**EM28902-58**	(c)	144	984	212	95.0	95.6	95.8	84	88	90	6314	6313	400	41.14	CD0382
	1500	D280M	**EM28904-58**	(c)	159	1080	442	94.0	95.3	95.4	72	81	86	6319	6314	400	42.48	CD0382
110 / 150	3000	D315S	**EM31112-58**	(c)	188	1640	260	95.0	95.7	95.8	73	81	89	6314	6314	400	45.94	CD0382
	1500	D315M	**EM31114-58**	(c)	188	1375	521	95.0	95.8	96.2	73	82	86	6319	6314	400	44.76	CD0382
132 / 177	3000	D315S	**EM31132-58**	(c)	211	1584	312	96.0	96.4	96.1	84	89	92	6314	6314	400	44.76	CD0382
	1500	D315M	**EM31134-58**	(c)	229	1564	625	96.0	95.9	96.2	71	81	86	6319	6314	400	45.94	CD0382
160 / 215	3000	D315S	**EM31162-58**	(d)	269	—	—	—	—	96.1	—	—	—	—	—	400	—	—
	1500	D315M	**EM31164-58**	(d)	286	—	—	—	—	96.3	—	—	—	—	—	400	—	—
200 / 268	3000	D315M	**EM31202-58**	(d)	337	—	—	—	—	96.1	—	—	—	—	—	400	—	—
	1500	D315M	**EM31204-58**	(d)	351	—	—	—	—	96.3	—	—	—	—	—	400	—	—

NOTE: (a) Efficiency per IEC 60034-1

Shaded ratings are cast iron frames.

(c) Includes 3 winding thermistors

(d) Includes 3 winding thermistors; G28 due late 2009

See page 77 for Connection Diagrams.

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

Super-E® Single Phase Premium Efficient Motors

In general purpose applications where efficiencies may be gained from limited available current, Baldor offers Single Phase Super-E® motors. With less current required to power the Super-E motor, customers may be able to operate additional equipment from the same line.

TEFC - Totally Enclosed Fan Cooled - Foot Mounted, 115/230 Volts, Single Phase, 1/4 - 5 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps 230 V ①		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		Volt Code	"C" Dim.	Conn. Diag. No.
					Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE			
1/4	0.19	1745	48	**EL3403**	1.25	9.1	0.75	62.4	69.5	74.0	77	83	89	6203	6203	B	10.48	CD0055
1/3	0.25	1740	56	**EL3501**	1.6	11	1.0	68.6	75.5	77.0	80	83	88	6203	6203	B	11.97	CD0055
1/2	0.37	1745	56	**EL3504**	2.3	18.1	1.5	72.4	76.5	78.5	79	87	89	6203	6203	B	11.97	CD0055
3/4	0.56	1755	56	**EL3507**	3.15	30	2.25	79.4	83.6	82.5	80	87	90	6205	6203	B	13.25	CD0055
1	0.75	1760	56H	**EL3510**	4.25	40	3.0	76.9	83.2	82.5	81	88	91	6205	6203	B	13.81	CD0055
1 1/2	1.1	1760	56H	**EL3514**	6.3	51	4.5	84.4	86.2	84.0	85	92	94	6205	6203	B	15.18	CD0055
	1.1	1760	145T	**EL3514T**	6.3	51	4.5	84.4	86.2	84.0	85	92	94	6205	6203	B	15.55	CD0055
2	1.5	1740	184T	**EL3605T**	8.8	62.4	6.1	82.1	84.0	82.5	82	87	90	6206	6205	B	16.56	CD0055
3	2.2	1755	184T	**EL3609T**	11.8	85	9.0	83.1	85.9	85.5	96	97	96	6206	6205	C	18.06	CD0017A02
5	3.7	1735	184T	**EL3612T**	19.1	127	15	83.6	86.8	86.5	96	97	97	6206	6205	C	18.06	CD0017A02

NOTE: Volt Code: B=115/230, C=230 Volts.
① Amps at 230V - double for 115V if 115/230V.
See page 70 for Layout drawing. See page 76 for Connection Diagrams.
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

ODP - Open Drip Proof - Foot Mounted, 115/230 Volts, Single Phase, 1/4 - 5 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps 230 V ①		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		Volt Code	"C" Dim.	Conn. Diag. No.
					Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE			
1/4	0.19	1745	48	**EL1203**	1.25	9.1	0.75	62.4	69.5	74.0	77	83	89	6203	6203	B	9.76	CD0055
1/3	0.25	1740	56	**EL1301**	1.6	11	1.0	68.6	75.5	77.0	74	82	88	6203	6203	B	10.13	CD0055
1/2	0.37	1745	56	**EL1304**	2.3	18.1	1.5	73.8	77.7	78.5	82	89	89	6203	6203	B	11.00	CD0055
3/4	0.56	1755	56	**EL1307**	3.25	67	2.25	80.0	83.5	84.0	75	85	90	6205	6203	B	12.06	CD0055
1	0.75	1755	56	**EL1310**	4.3	40.5	3.0	80.6	83.6	84.0	80	88	91	6205	6203	B	12.94	CD0055
1 1/2	1.1	1755	56H	**EL1319**	6.25	55	4.5	84.9	86.5	85.5	80	86	94	6205	6203	B	14.00	CD0055
	1.1	1755	145T	**EL1319T**	6.25	55	4.5	84.9	86.5	85.5	80	86	94	6205	6203	B	13.00	CD0055
2	1.5	1740	182T	**EL1405T**	8.8	62.4	6.1	82.1	84.0	82.5	82	87	90	6206	6205	B	15.87	CD0055
3	2.2	1750	184T	**EL1408T**	11.2	70.2	9.0	84.9	88.0	85.5	98	98	98	6206	6205	C	16.50	CD0017A02
5	3.7	1735	184T	**EL1410T**	19.1	129	15	83.0	86.6	86.5	95	96	97	6206	6205	C	18.00	CD0017A02

NOTE: Volt Code: B=115/230, C=230 Volts.
① Amps at 230V - double for 115V if 115/230V
See page 70 for Layout drawing. See pages 76 for Connection Diagrams.
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Super-E® Unit Handling Motors

Baldor's line of Unit handling motors are designed for wide variety of applications in baggage handling, conveyors, packaging equipment, machine tools, hoists, elevators and door openers. Features include an low profile F3 top mounted conduit box on 56 & 140T frames that provide easy access for making connections. 143T and 145T Unit Handling motors with footed frames have a special base with 56, 143 and 145 mounting slots for easy mounting on OEM conveyors. These motors have a Spike Resistant Insulation System that meets the requirements of NEMA MG1 Part 31.4.4.2 for VFD use and are considered inverter ready. UL/CSA recognized and CE certified.

TEFC - Totally Enclosed Fan Cooled - 208-230/460 Volts, Three Phase, 1 - 3 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps 460 V ①		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		"C" Dim.	Conn. Diag. No.
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.	DE	ODE		
C-Face, Foot Mounted																	
1	0.75	1800	143TYC	**CEUHM3546T**	1.5	15	3.0	84.4	87.0	87.5	48	60	70	6205	6203	13.29	CD0005
1 1/2	1.1	1800	145TYC	**CEUHM3554T**	2.1	20	4.45	87.1	88.9	88.5	54	68	76	6205	6203	13.29	CD0005
2	1.5	1800	145TYC	**CEUHM3558T**	2.6	19.6	6.0	87.9	88.3	86.5	64	76	82	6205	6203	14.17	CD0005
3	2.2	1800	182TC	**CEUHM3611T**	4.1	32	9.0	89.1	90.0	89.5	58	71	77	6206	6205	16.55	CD0005
C-Face, Footless																	
1	0.8	1800	56C	**VEUHM3546**	1.5	15	3.0	86.3	88.2	87.5	51	65	70	6205	6203	13.23	CD0005
	0.8	1800	143TC	**VEUHM3546T**	1.5	15	3.0	86.3	88.2	87.5	51	65	70	6205	6203	13.29	CD0005
1 1/2	1.1	1800	145TC	**VEUHM3554T**	2.1	20	4.45	87.1	88.9	88.5	54	68	76	6205	6203	13.29	CD0005
2	1.5	1800	145TC	**VEUHM3558T**	2.6	19.6	6.0	87.9	88.3	86.5	64	76	82	6205	6203	14.17	CD0005
3	2.2	1800	182TC	**VEUHM3611T**	4.1	32	9.0	89.1	90.0	89.5	58	71	77	6206	6205	16.55	CD0005

NOTE: * For 230V amps, double 460v amps.
① Amps at 460V - double for 230V.
See page 74 for Layout drawing. See page 75 for Connection Diagrams.
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Super-E® Premium Efficient Brake Motors

Baldor Super-E brake motors meet or exceed NEMA Premium® efficiency and are Inverter Ready. These brake motors have their spring-set brakes mounted opposite the drive end, allowing a NEMA-standard BA dimension. Also allows for easy conversion to C-face mounting. Brake coils are connected inside the conduit box allowing easy access for separate connection when used with an adjustable speed drive.

TEFC - Totally Enclosed Fan Cooled - Foot Mounted, 230/460 volts, 1 - 30 Hp, C-Face, Footless, 208-230/460 and 230/460 Volts, Three Phase, 1/2 - 10 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps @ 460 V ①		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		Volt Code	"C" Dim.	Conn. Diag. No.	Brake Rating
					Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE				
Foot Mounted																			
1	0.75	1765	56	**EBM3546**	1.5	15	3.0	84.4	87.0	87.5	48	60	70	6205	6203	E	17.80	CD0005	6
	0.75	1765	143T	**EBM3546T**	1.5	15	3.0	84.4	87.0	87.5	48	60	70	6205	6203	E	17.86	CD0005	6
1 1/2	1.1	1740	145T	**EBM3554T**	2.0	16.8	4.5	86.4	87.6	86.5	61	73	80	6205	6203	E	17.86	CD0005	10
2	1.5	1725	145T	**EBM3558T**	2.7	19.6	6.0	87.9	88.3	86.5	64	76	82	6205	6203	E	18.74	CD0005	10
3	2.2	1760	182T	**EBM3611T**	4.1	32	9.0	89.1	90.0	89.5	58	71	77	6206	6205	E	21.12	CD0005	15
5	3.7	1750	184T	**EBM3615T**	6.5	53.7	15	89.7	90.7	90.2	62	74	80	6206	6205	E1	21.12	CD0005	25
7 1/2	5.6	1770	213T	**EBM3710T**	9.4	71.6	22.2	91.8	92.4	91.7	62	75	81	6307	6306	E1	27.20	CD0005	35
10	7.5	1770	215T	**EBM3714T**	12.5	93.8	30	92.6	93.0	92.4	67	77	82	6307	6306	F	29.19	CD0005	50
15	11.2	1765	254T	**EBM2333T**	18.5	123	44.6	91.9	92.6	92.4	66	77	82	6309	6208	E1	33.07	CD0005	75
20	14.9	1765	256T	**EBM2334T**	24	175	59	92.8	93.1	93.0	69	80	84	6309	6208	E1	33.57	CD0005	105
25	18.7	1770	284T	**EBM4103T**	30	188	74.2	92.4	93.6	93.6	72	81	84	6311	6309	E1	39.66	CD0005	105
30	22.4	1770	286T	**EBM4104T**	36	246	89	93.8	94.4	94.1	66	75	77	6311	6309	E1	42.84	CD0005	125
C-Face Footless																			
1/2	0.37	1800	56C ▮	**VEBNM3538**	0.8	6.3	1.5	76.6	81.2	82.5	53	67	72	6205	6203	E	15.26	CD0005	3
3/4	0.56	1800	56C ▮	**VEBNM3542**	1.1	9.7	2.2	80.9	83.8	84	50	64	73	6205	6203	E	15.26	CD0005	6
1	0.75	1800	56C	**VEBM3546**	1.4	14.29	3	83	86	86.5	53	67	75	6205	6203	E	17.8	CD0005	6
	0.75	1800	56C ▮	**VEBNM3546**	1.45	10.7	3	86.3	87	86.5	62	74	81	6205	6203	E	15.26	CD0005	6
	0.75	1800	143TC	**VEBM3546T**	1.5	14	3	83.8	86.2	87.5	58	72	78	6205	6203	E	17.8	CD0005	6
1 1/2	1.1	1800	56C	**VEBM3554**	2.1	17.5	4.5	86.3	88.2	88.5	51	65	76	6205	6203	E	18.67	CD0005	10
	1.1	1800	145TC	**VEBM3554T**	2.1	20	4.45	87.1	88.9	88.5	54	68	76	6205	6203	E	18.67	CD0005	10
2	1.5	1800	56C	**VEBM3558**	3.1	19.6	6	87.9	88.3	86.5	64	76	82	6205	6203	E	18.67	CD0005	10
	1.5	1800	145TC	**VEBM3558T**	2.7	19.6	6	87.9	88.3	86.5	64	76	82	6205	6203	E	18.67	CD0005	10
3	2.2	1800	182TC	**VEBM3611T**	4.1	32	9	89.1	90	89.5	58	71	77	6206	6205	E	21.11	CD0005	15
5	3.7	1800	184TC	**VEBM3615T**	6.5	5307	15	89.7	90.7	90.2	62	74	80	6206	6205	E1	23.06	CD0005	25
7 1/2	5.6	1800	213TC	**VEBM3710T**	9.4	70.1	22.4	92.2	92.7	91.7	63	75	81	6307	6306	E1	27.95	CD0005	35
10	7.5	1800	215TC	**VEBM3714T**	12.5	93.8	29.9	92.6	93	92.4	67	77	82	6307	6306	E1	29.95	CD0005	50

NOTE: E = 208-230/460 volts, E1 = 230/460V, 60Hz, usable at 208V. Shaded ratings are cast iron frames.

① Amps at 460V - double for 230V.

▮ = TENV enclosure

Motors have NEMA standard BA dimensions. See page 71 for Layout drawings. See page 75 for Connection Diagram.

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

Automotive Approved Motors

For use in plants requiring Automotive Approved motors on pumps, compressors, conveyors, and machine tools, these motors meet the minimum efficiency requirements mandated by major US automobile manufacturers. Meets GM's minimum efficiency times power factor requirements, per GM 7EHQ, as well as the automotive industry's requirements for sound power levels. Available from stock in 1 through 100 Hp, NEMA frames 183 through 445U. Feature all cast iron construction, re-greaseable double shield ball bearings, shaft slinger on both ends of the motor, stainless steel nameplates and epoxy paint. These motors are suitable for 65°C ambient; 1.00 Service Factor or 1.15 Service Factor at 40°C ambient. Many automobile plants have switched to IEEE 841 motors for higher efficiency, more durability and better bearing protection.

TEFC - Totally Enclosed Fan Cooled - Foot Mounted, 460 Volts, Three Phase, 1 - 100 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		"C" Dim.	Conn. Diag. No.
					Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE		
1	0.75	1750	182▮	**AEM3683-4**	1.5	13.9	2.95	84.0	86.6	84.0	53	67	75	6206	6205	13.18	CD0006
	0.75	1140	184	**AEM3684-4**	1.7	10.5	4.6	80.8	82.5	80.5	52	63	71	6206	6205	14.74	CD0006
1 1/2	1.1	1750	184	**AEM3686-4**	2.2	19.4	4.48	82.6	84.9	85.0	58	71	77	6206	6205	14.74	CD0006
	1.1	1140	184	**AEM3687-4**	2.5	18.4	6.7	81.6	83.9	84.0	48	60	68	6206	6205	14.74	CD0006
2	1.5	1750	184	**AEM3689-4**	2.9	25.6	6.0	86.2	88.4	86.0	52	65	73	6206	6205	14.74	CD0006
	1.5	1140	213	**AEM3782-4**	3.2	19.9	9.0	81.1	83.7	83.5	54	65	71	6307	6206	18.07	CD0006
3	2.2	1760	213	**AEM3783-4**	3.9	24.5	9.0	88.8	89.7	87.5	72	80	83	6307	6206	18.07	CD0006
	2.2	1160	215	**AEM3784-4**	4.4	24.8	13.5	85.9	87.9	86.5	56	68	74	6307	6206	18.07	CD0006
5	3.7	1750	215	**AEM3787-4**	6.4	38.6	15	89.4	89.9	87.5	70	80	84	6307	6206	18.07	CD0006
	3.7	1160	254U	**AEM2275-4**	7.1	42.4	22.6	88.8	90.0	88.5	54	67	74	6309	6207	20.81	CD0006
7 1/2	5.6	1760	254U	**AEM2237-4**	9.2	55.3	22.5	87.3	89.1	89.5	73	82	84	6309	6208	23.11	CD0006
	5.6	1180	256U	**AEM2276-4**	10.6	62	33.1	89.4	90.7	90.2	57	67	74	6309	6208	23.11	CD0006
10	7.5	1760	256U	**AEM2238-4**	12	77	29.8	88.6	90.0	90.2	75	83	87	6309	6208	23.11	CD0006
	7.5	1180	284U	**AEM2332-4**	13.2	84.3	44.5	89.2	90.9	91.7	61	72	79	6311	6309	27.81	CD0006
15	11.2	1765	284U	**AEM2333-4**	18	125	45	92.1	93.0	92.4	71	81	84	6311	6309	26.92	CD0006
	11.2	1160	324U	**AEM4100-4**	19	101	69	90.2	90.6	89.5	73	80	83	6312	6311	30.66	CD0006
20	14.9	1760	286U	**AEM2334-4**	24.5	150	59.2	88.6	90.5	90.2	74	82	86	6311	6309	27.81	CD0006
	14.9	1160	326U	**AEM4102-4**	25	145	90.5	90.7	91.1	89.0	73	81	83	6312	6311	30.66	CD0006
25	18.7	1775	324U	**AEM4103-4**	29.5	172	74	90.1	92.0	92.4	77	84	87	6312	6311	30.66	CD0006
	18.7	1180	364U	**AEM4111-4**	30	208	112	92.4	92.9	91.7	75	83	83	6313	6312	33.35	CD0006
30	22.4	1775	326U	**AEM4104-4**	35	218	89	92.7	93.7	92.4	77	84	86	6312	6311	30.66	CD0006
	22.4	1180	365U	**AEM4117-4**	36	215	135	93.0	93.1	91.7	77	84	83	6313	6312	33.35	CD0006
40	30	1780	364U	**AEM4307-4**	46	290	118	91.3	93.0	93.6	71	81	87	6313	6312	33.35	CD0006
	30	1180	404U	**AEM4308-4**	46	325	177	92.0	93.2	92.5	76	84	87	6316	6313	37.94	CD0006
50	37	1780	365U	**AEM4311-4**	58	364	147	92.9	93.9	93.6	73	81	87	6313	6312	33.35	CD0006
	37	1180	404U	**AEM4312-4**	57	356	222	92.4	93.2	93.0	80	86	88	6316	6313	37.91	CD0006
60	45	1780	405U	**AEM4314-4**	68	439	177	93.2	93.8	92.5	77	87	89	6316	6313	37.94	CD0006
	45	1180	444U	**AEM4403-4**	71	497	265	91.8	93.0	93.0	72	80	85	6319	6314	44.37	CD0006
75	56	1780	444U	**AEM4316-4**	85	560	221	92.7	94.0	94.5	78	85	87	6319	6314	44.37	CD0006
	56	1180	445U	**AEM4404-4**	88	598	332	93.2	94.0	94.1	74	82	85	6319	6314	44.37	CD0006
100	74.6	1780	445U	**AEM4400-4**	116	780	295	93.0	94.1	93.0	76	83	86	6319	6314	44.37	CD0006

NOTE: See page 69 for Layout drawing. See pages 75 for Connection Diagrams.

Shaded ratings are cast iron frames.

Efficiencies shown are nominal and comply with GM efficiency levels, not NEMA Premium®.

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

▮ = TENV enclosure

Super-E® HVAC Motors

For use in Heating, ventilation and air conditioning blower and fan motor applications. Class F insulated motor with 1.15 service factor or higher that operates within class "B" temperature limits at rated horsepower. Heavy-gauge steel frame construction, ball bearings, grease passages have plugs. 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 EPAct efficiencies. Includes lifting provisions on all frame sizes and bar-coded spec number label.

ODP - Open Drip Proof - Foot Mounted, 208-230/460 and 230/460 Volts, Three Phase, 1 - 100 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps 230 V ①		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		Volt Code	"C" Dim.	Conn. Diag. No.
					Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE			
F1 Mounting																		
1	0.75	1800	143T	**EHM3116T**	1.4	10.8	3.0	83.3	85.6	85.5	57	70	78	6205	6203	E	11.12	CD0005
1 1/2	1.1	1800	145T	**EHM3154T**	2.1	16.7	4.5	85.4	87.1	88.5	56	69	76	6205	6203	E	12.13	CD0005
2	1.5	1800	145T	**EHM3157T**	2.7	22.9	6.0	85.6	86	86.5	57	69	82	6205	6203	E	13	CD0005
3	2.2	1800	182T	**EHM3211T**	4.0	32	9.0	89.4	90.4	90.2	54	65	77	6206	6205	E	15	CD0005
5	3.7	1800	184T	**EHM3218T**	6.6	47.7	15	90.3	90.8	90.2	62	73	79	6206	6205	E	16.5	CD0005
7 1/2	5.6	1800	213T	**EHM3311T**	9.6	67.5	22.2	91	92.2	91.7	61	74	79	6307	6206	E	16.32	CD0005
10	7.5	1800	215T	**EHM3313T**	12.5	93.5	29.7	91	91.7	91.7	59	71	82	6307	6206	E	17.45	CD0005
15	11.2	1800	254T	**EHM2523T**	17.7	211	44.8	93.7	93.7	93	82	86	86	6309	6208	E	21.69	CD0180
20	15	1800	256T	**EHM2515T**	23.5	160.8	59.4	92.5	93.2	93	71	81	86	6309	6208	E1	21.69	CD0180
25	18.7	1800	284T	**EHM2531T**	30	190	74.1	93.4	94.2	94.1	69	79	83	6311	6309	E1	23.81	CD0005
30	22.4	1800	286T	**EHM2535T**	35	223.6	88.9	93.6	94.2	94.1	72	82	85	6311	6309	E1	25.06	CD0005
40	30	1800	324T	**EHM2539T**	46	302	118	94.2	94.8	94.5	69	79	86	6312	6311	E1	26.69	CD0005
50	37	1800	324T	**EHM2543T**	57	378	148	94.5	94.9	94.5	75	84	87	6312	6311	E1	27.69	CD0180
60	45	1800	364T	**EHM2547T**	68	464	177	94.9	95.3	95	77	85	88	6313	6311	E1	29.94	CD0005
75	56	1800	365T	**EHM2551T**	85	512	222	95.5	95.7	95	78	84	87	6313	6312	E1	33.72	CD0180
100	75	1800	404T	**EHM2555T**	113	742	295	94	94.4	95.4	72	81	85	6316	6312	E1	36.97	CD0180
F2 Mounting																		
1	0.75	1800	143T	**EHFM3116T**	1.4	10.8	3.0	83.3	85.6	85.5	57	70	78	6205	6203	E	11.12	CD0005
1 1/2	1.1	1800	145T	**EHFM3154T**	2.1	16.7	4.5	85.4	87.1	88.5	56	69	76	6205	6203	E	12.13	CD0005
2	1.5	1800	145T	**EHFM3157T**	2.7	22.9	6.0	85.6	86	86.5	57	69	82	6205	6203	E	13	CD0005
3	2.2	1800	182T	**EHFM3211T**	4.0	32	9.0	89.4	90.4	90.2	54	65	77	6206	6205	E	15	CD0005
5	3.7	1800	184T	**EHFM3218T**	6.6	47.7	15	90.3	90.8	90.2	62	73	79	6206	6205	E	16.5	CD0005
7 1/2	5.6	1800	213T	**EHFM3311T**	9.6	67.5	22.2	91	92.2	91.7	61	74	79	6307	6206	E	16.32	CD0005
10	7.5	1800	215T	**EHFM3313T**	12.5	93.5	29.7	91	91.7	91.7	59	71	82	6307	6206	E	17.45	CD0005
15	11.2	1800	254T	**EHFM2523T**	17.7	211	44.8	93.7	93.7	93	82	86	86	6309	6208	E	21.69	CD0180
20	15	1800	256T	**EHFM2515T**	23.5	160.8	59.4	92.5	93.2	93	71	81	86	6309	6208	E1	21.69	CD0180
25	18.7	1800	284T	**EHFM2531T**	30	190	74.1	93.4	94.2	94.1	69	79	83	6311	6309	E1	23.81	CD0005
30	22.4	1800	286T	**EHFM2535T**	35	223.6	88.9	93.6	94.2	94.1	72	82	85	6311	6309	E1	25.06	CD0005
40	30	1800	324T	**EHFM2539T**	46	302	118	94.2	94.8	94.5	69	79	86	6312	6311	E1	26.69	CD0005
50	37	1800	324T	**EHFM2543T**	57	378	148	94.5	94.9	94.5	75	84	87	6312	6311	E1	27.69	CD0180
60	45	1800	364T	**EHFM2547T**	68	464	177	94.9	95.3	95	77	85	88	6313	6311	E1	29.94	CD0005
75	56	1800	365T	**EHFM2551T**	85	512	222	95.5	95.7	95	78	84	87	6313	6312	E1	33.72	CD0180
100	75	1800	404T	**EHFM2555T**	113	742	295	94	94.4	95.4	72	81	85	6316	6312	E1	36.97	CD0180

NOTE: Volt Code: E = 208-230/460 Volts, E1 = 230/460 Volts, 60 Hz, usable at 208 vols.

① Amps at 460V - double for 230V.

See page 62 for Layout drawing. See page 75 for Connection Diagrams.

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

Super-E® Chiller/Cooling Tower Motors

For use in high moisture environment fan motor for mounting in the air stream of cooling towers. These motors feature high efficiency severe duty multi-speed axial fan motors. Class F insulation, 1.15 service factor. Lip seal, shaft slinger, and T-drain in both ends. Electrical design is single winding variable torque. Double shielded ball bearings. Burndy type YA compression lead lugs.

TEAO - Totally Enclosed Air Over - Foot Mounted, 208-230/460 and 230/460 Volts, Three Phase, 5 - 75 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps 460 V ①		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		Volt Code	"C" Dim.	Conn. Diag. No.	Airflow Ft/Min
					Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE				
5	3.7	1800	184T	ECTM3665T	6.5	48	15	89.4	90.4	90.2	61	75	80	6206	6205	E	13.68	CD0005	1200
	3.7	1200	215T	ECTM3768T	7.3	51.9	22.8	90.3	91	90.2	54	65	72	6307	6206	E1	19.54	CD0005	1200
7 1/2	5.6	1800	213T	ECTM3770T	9.5	68	22.1	91.6	92.3	91.7	65	76	81	6307	6206	E	19.54	CD0005	1500
	5.6	1200	254T	ECTM2276T	10.7	69.7	32.4	89.7	91.5	91.7	52	63	71	6309	6208	E1	20.75	CD0005	1500
10	7.5	1800	215T	ECTM3774T	12.5	88.5	29.8	92.9	93.1	92.4	67	78	82	6307	6206	E	19.54	CD0005	1500
	7.5	1200	256T	ECTM2332T	14.2	93	44.4	90.2	91.6	91.7	55	66	72	6309	6208	E1	20.75	CD0180	1500
15	11.2	1800	254T	ECTM2333T	18.5	122.9	44.6	91.9	92.6	92.4	66	77	82	6309	6208	E1	20.75	CD0005	1500
	11.2	1200	284T	ECTM4100T	19.5	129	65.6	91.2	92.5	92.4	61	72	77	6311	6309	E1	25.63	CD0180	1500
20	15	1800	256T	ECTM2334T	24	175	59	92.8	93.1	93	69	80	84	6309	6208	E1	20.75	CD0005	1500
	15	1200	286T	ECTM4102T	26	173	89.2	92.5	92.9	92.4	71	78	79	6311	6309	E1	25.63	CD0180	1500
25	18.7	1800	284T	ECTM4103T	30	187.6	74.2	92.4	93.6	93.6	72	81	84	6311	6309	E1	25.63	CD0005	1500
	18.7	1200	324T	ECTM4111T	32	217	111	92.5	93.2	93	66	76	80	6312	6311	E1	28.38	CD0180	1500
30	22.4	1800	286T	ECTM4104T	36	246	89	93.8	94.4	94.1	66	75	83	6311	6309	E1	25.63	CD0005	1500
	22.4	1200	326T	ECTM4117T	39	285	134	92.4	93.2	93	61	72	79	6312	6311	E1	28.38	CD0005	1500
40	30	1800	324T	ECTM4110T	46	320	118	93.9	94.6	94.5	73	81	86	6312	6311	E1	28.38	CD0180	1500
	30	1200	364T	ECTM4308T	50.5	355	177	93.3	94.3	94.1	62	73	79	6313	6312	E1	30.6	CD0005	2000
50	37	1800	326T	ECTM4115T	57	392	149	94.4	94.9	94.5	73	82	87	6312	6311	E1	28.38	CD0180	2000
	37	1200	365T	ECTM4312T	61	409	221	93.8	94.3	94.1	67	77	81	6313	6312	E1	30.6	CD0005	2000
60	45	1800	364T	ECTM4314T	69	447	177	94.7	95.2	95	74	82	86	6313	6312	E1	30.6	CD0180	2000
	45	1200	404T	ECTM4403T	72.5	455	265	94	94.7	94.5	69	78	83	6316	6313	E1	34.68	CD0180	2000
75	56	1800	365T	ECTM4316T	86.5	649	222	94.9	95.5	95.4	73	81	85	6313	6312	E1	30.6	CD0005	2000

NOTE: Volt Code: E = 208-230/460 Volts, E1 = 230/460 Volts, 60 Hz, usable at 208 Volts.

Shaded ratings are cast iron frames.

① Amps at 460V - double for 230V.

See page 69 for Layout drawing. See pages 75 for Connection Diagrams.

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

Inverter and Vector Controls for Even Greater Energy Efficiency

Inverter Drive® and Vector Drive® Motors

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. In some installations, shaft grounding and isolated bearings may prevent bearing fluting and are available as an option or through Mod Express®.

Super-E® Motors

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 up to a 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

Standard-E EPAct efficient motors are suitable for use in adjustable speed applications per NEMA MG 1 Part 31.4.4.2. 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. Contact your local Baldor•Reliance District Office for application questions regarding your specific application.

Family	Frame Size	Constant Torque	Variable Torque	Comments
Super-E Motors 230, 460 and 575 Volts				
EM (TEFC)	56 - 365 (1) 404 - 449 (1)	20:1 10:1	20:1 20:1	General Purpose Premium Efficiency
EM (ODP)	143 - 445	20:1	20:1	General Purpose Premium Efficiency
ECP/XEX	145 180-210 250-445 447-449	20:1 10:1 4:1 (2) 2:1 (2)	20:1 10:1 10:1 10:1	Severe Duty Premium Efficiency
ECP8/841XL	145 180-210 250-445 447-449	20:1 10:1 4:1 (2) 2:1 (2)	10:1 10:1 10:1 10:1	Severe Duty Premium Efficiency May not meet temp rise as specified in IEEE-841 when used with ASD.
EWDM	56 - 215 (1)	20:1	20:1	Washdown Duty Premium Efficiency
Standard-E Motors 230, 460 and 575 Volts				
M (TEFC)	56 - 5009 (1)	4:1	20:1	General Purpose
M (ODP)	56 - 5009 (1)	4:1	20:1	General Purpose
CP/XT	145 180-445 447-449	20:1 — (3) 4:1	20:1 10:1 10:1	Severe Duty
WDM	56 - 215 (1)	4:1	20:1	Washdown Duty
Inverter Duty and Vector Duty Motors 230, 460 and 575 Volts				
V*S Master				
IDNVSM (TENV)	56 - 256	1000:1	1000:1	Inverter Duty TENV V*S Master
IDVSM (TEFC)	182 - 449	1000:1	1000:1	Inverter Duty TEFC V*S Master
ZDNVSM (TENV)	56 - 256	1000:1	1000:1	Vector Duty TENV V*S Master
ZDVSM (TEFC)	182 - 449	1000:1	1000:1	Vector Duty TEFC V*S Master
ZDVSCP	143 - 326	1000:1	1000:1	Vector Duty TEFC - XT V*S Master
RPMAC				
IDRPMN (TENV)	FL1838 - FL2162	1000:1	1000:1	Inverter Duty TENV RPMAC
IDRPM (TEFC, TEBC, DPGFV)	FL1844 - L4461	1000:1	1000:1	Inverter Duty TEFC, TEBC, DPG-FV RPMAC
ZDNRPM (TENV)	FL1838 - FL2162	1000:1	1000:1	Vector Duty TENV RPMAC
ZDRPM (TEFC, TEBC)	FL1844 - L4022	1000:1	1000:1	Vector Duty TEFC, TEBC RPMAC
ZDPM (TEBC)	FL1831 - FL2890	1000:1	1000:1	Vector Duty TEBC Permanent Magnet PM RPMAC
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
IDXM (2 families)	182 - 405 56 - 405	2:1 10:1	10:1 10:1	Explosion Proof Inverter Duty
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

NOTE: (1) Baldor type 35M and larger. (2) CT: 6 to 60Hz available with fan change thru Mod Express. (3) CT: 30 to 60Hz available with fan change thru Mod Express.
Specific motor ratings may in fact be capable of greater frequency range for Constant Torque applications. If required please contact your local Baldor•Reliance Sales Office.

Matched Performance: The Perfect Motor and Control for Your Application

Many motor and drive manufacturers claim that their products are designed to work together, but only Baldor backs up the claim with specific data. Introduced in 1993, Matched Performance provides lab-tested performance curve data on Baldor motors and controls, 1 to 800 Hp, including inverters, vectors, DC SCR drives and servos. Showing peak torque, continuous torque, maximum speed and current, each Matched Performance curve illustrates the continuous and intermittent torque available from the motor at various speeds. This lets you know the motor's safe operating envelope below and above its base speed.

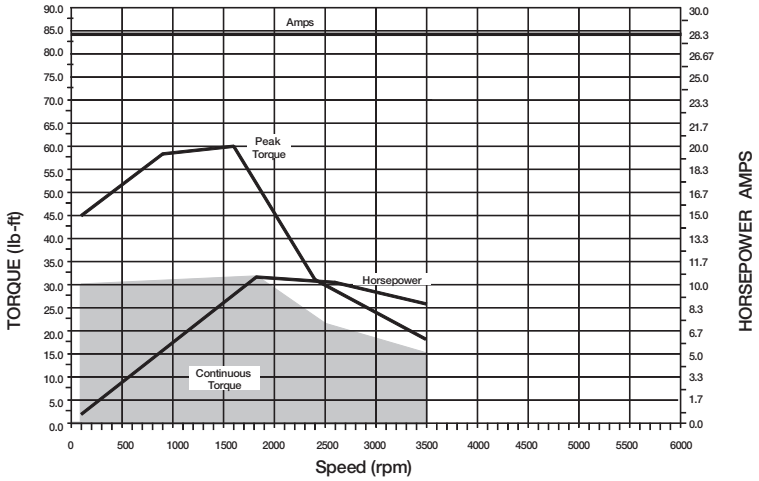
Examples:

At right are two examples of Matched Performance Curves, both showing 10 Hp motors, operated from different controls.

The top curve is an EM3774T Inverter Ready Super-E® motor operated from a Baldor 15H Inverter control. As you can see, the motors rated torque is 30 lb-ft, available from 90-1800 rpm, with a continuous Hp operation to 3500 rpm. Speed regulation for an inverter-fed motor is approximately 2-3% of base Speed. Super-E motors with Inverters are ideally suited for variable torque loads, such as fans and centrifugal pumps. Then also work well for constant torque loads like conveyors, where precise speed control or low speed operation is not required.

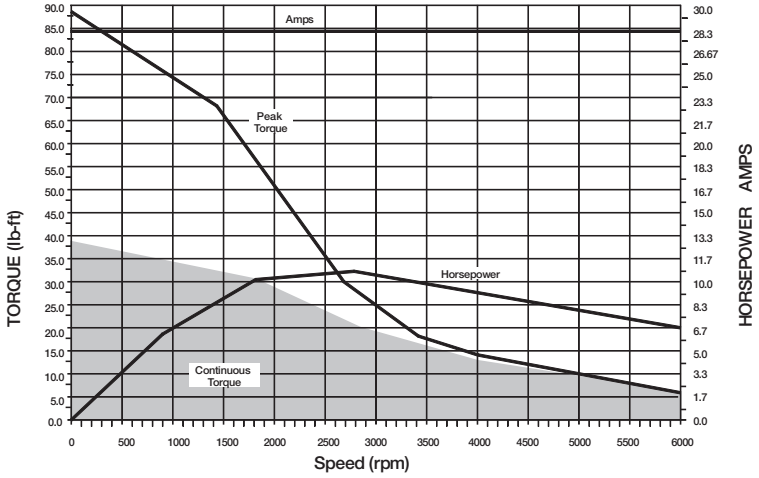
The bottom curve is a ZDM3774T Vector Drive motor operated from a Baldor 18H Vector Control. Almost 200% of rated torque at zero speed is available. Full rated torque – or more – is available to 6000 rpm. With encoder feedback, the Vector Drive can maintain speed precisely 0.01% of set speed, and has the capability to do positioning like a servo motor. Vectors are well suited for applications where precise speed and position control contribute to system efficiency and productivity, like metered bulk-solid feeder operations.

Matched Performance Curve for 10 Hp Super-E® Motor and Control*



Motor: EM3774T - 10 Hp
Control: ID15H210-E - 10 Hp Series 15H Inverter

Matched Performance Curve for 10 Hp Vector Drive® Motor and Control*



Motor: ZDM3774T - 10 Hp
Control: ZD18H210-E - 10 Hp Series 15H Inverter

Conduit Box Volumes – Cast Iron Frames

Motor Frame Size	Baldor ECP Volume IN³	841XL Volume IN³	Conduit Hole Size (NPT)
143T/145T	34	34	0.75
182T/184T	38	38	1
213T/215T	38	38	1
254T/256T	64	64	1.25
284T/286T	113	113	1.5
324T/326T	259	259	2
364T/365T	363	363	3
404T/405T	363	363	3
444T/445T	704	704	3
447T	1220	1220	4
449T	1220	1220	4
5007/5009/5011	4980	—	4
5810/5812	4980	—	4

NOTE: All Baldor•Reliance Severe Duty motors use a neoprene lead separator gasket between box and frame to keep contaminates and moisture out of the motor. Conduit Box lid gasket is neoprene rubber. Grounding provision is located inside the conduit box. Additional and or larger conduit boxes are available.

Conduit Box Volumes – Steel Band

Motor Frame Size	Baldor Volume IN³	UL/NEC Minimum Volume IN³	NPT Hole Size
56	10.6	10.5	0.875
143T/145T	18.5	16.8	0.75
182T/184T	24.9	16.8	0.75
213T/215T	39.8	36.4	1.0
254T/256T	79	36.4	1.25

Approvals UL and CSA

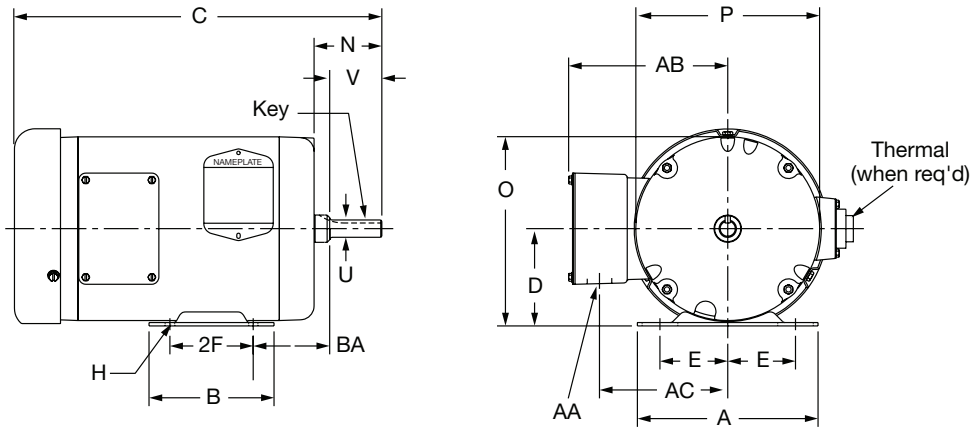
All NEMA 42 through 445T, equivalent IEC frame motors (Inverter and Vector Drive motors) are listed under UL recognized component file #E46145 and #E54825. All NEMA 42 through 449T frame motors are listed under CSA recognized component file #LR2262 and #LR7861. TEFC or TEBC 5000 frame motors up to 4160 volts are listed under CSA recognized component file #LR36841-7 and #LR52580.

Division 2

Division 2 markings for Class I, Group A,B,C,&D; Class II, Group F&G, Temperature codes T3C, T3A, T3, T2A may be included on ECP/XEX and ECP8/841XL motors in 180T frame sizes and larger for both fixed and variable speed applications. Markings are available through Mod Express or built as custom motors. Contact Baldor for specific Class, Group, Temp Code and speed range capabilities.

Dimensions

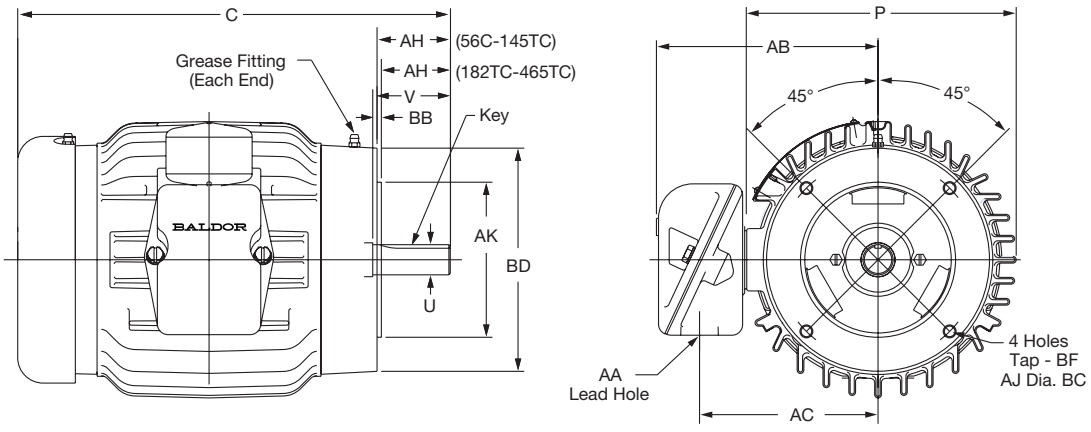
Three Phase Steel Band Construction Motors
Totally Enclosed Fan-Cooled - NEMA 56 through 215T



NEMA Frame	A	B	D	E	2F	H	Key	N	O	P	U	V	AA	AB	AC	BA
56	6.50	4.50	3.50	2.44	3.00	0.34 Slot	0.19	2.44	6.81	6.62	0.625	1.88	0.88	5.73	4.62	2.75
143T 145T	6.50	5.94	3.50	2.75	4.00 5.00	0.34	0.19	2.50	6.81	6.62	0.875	2.25	0.88	5.73	4.62	2.25
182T 184T	8.63	6.50	4.50	3.75	4.50 5.50	0.41	0.25	3.56	8.44	7.88	1.125	2.75	1.09	6.87	5.76	2.75
213T 215T	9.50	8.00	5.25	4.25	5.50 7.00	0.41	0.31	3.88	10.03	9.57	1.375	3.38	1.38	8.05	6.79	3.50

NOTE: Drawings shown are for reference only. Please contact Baldor for a detailed dimensional drawing of the specific motor you require. Drawings may also be available from our CD-ROM or website at www.baldor.com

Three Phase Cast Iron Construction Motors
Totally Enclosed Fan-Cooled - NEMA 56C through 215TC - C-Face Less Base

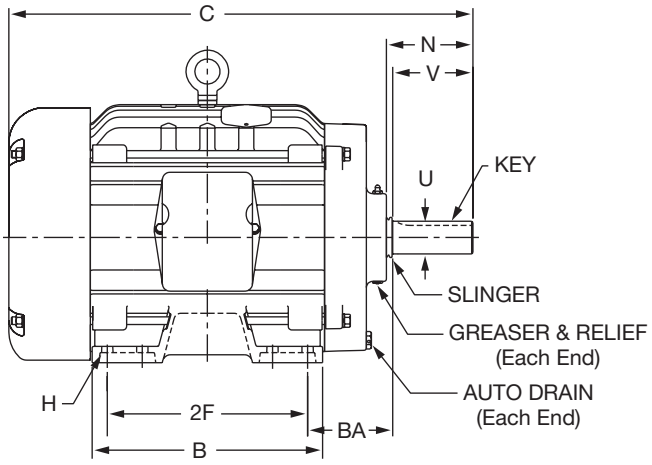


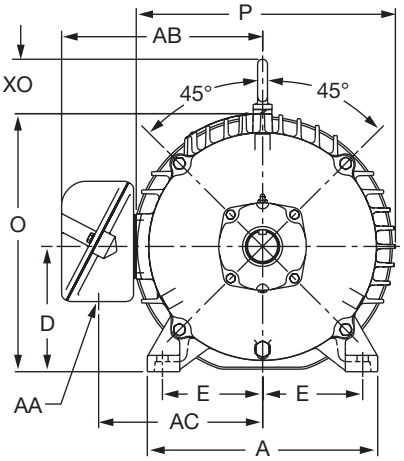
NEMA Frame	Key	P	U	V	AA	AB	AC	AH	AJ	AK	BB	BD	Tap BF
56C	0.188	8.00	0.625	1.88	1.06	6.38	5.00	2.06	5.88	4.50	0.13	6.50	3/8-16
Cast Iron Construction													
143TC 145TC	0.19	8.00	0.875	1.87	1.09	6.43	5.18	2.12	5.88	4.50	0.12	6.50	0.38-16
182TC 184TC	0.25	10.12	1.125	2.75	1.09	7.18	5.93	2.62	7.25	8.50	0.25	9.00	0.50-13
213TC 215TC	0.31	12.18	1.375	3.13	1.38	9.22	7.38	3.13	7.25	8.50	0.25	9.06	0.50-13

NOTE: Drawings shown are for reference only. Please contact Baldor for a detailed dimensional drawing of the specific motor you require. Drawings may also be available from our CD-Rom or website at www.baldor.com

Dimensions

Three Phase Cast Iron Construction Motors
Totally Enclosed Fan-Cooled - NEMA 143T through 405T



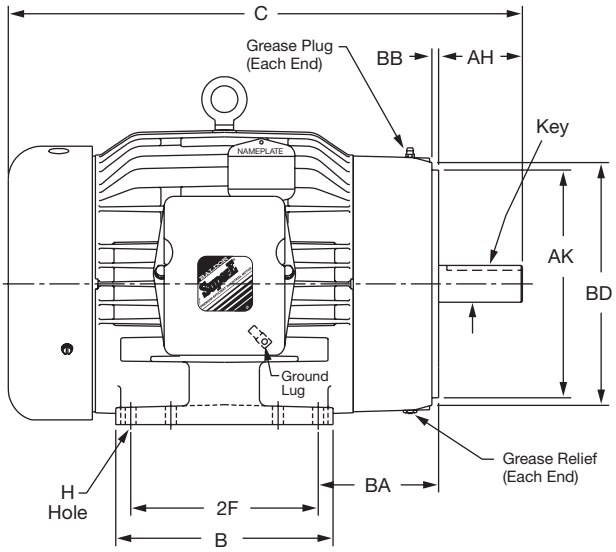


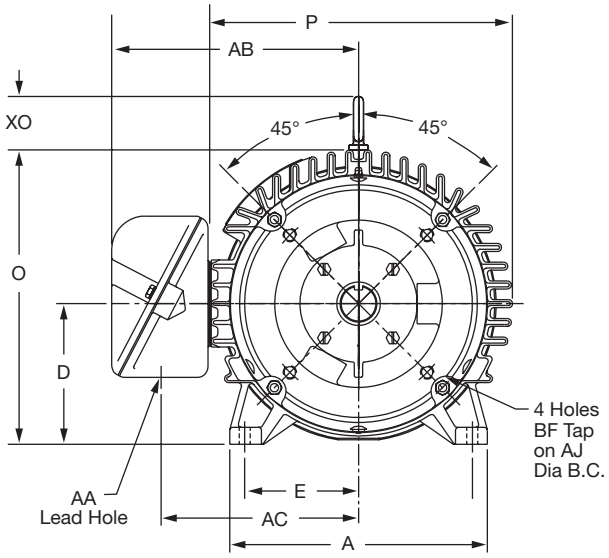
NEMA Frame	A	B	D	E	2F	H	Key	N	O	P	U	V	AA	AB	AC	BA
143T 145T	6.50	5.88	3.50	2.75	4.00 5.00	0.38	0.19	2.50	7.50	8.00	0.875	2.25	1.09	6.43	5.18	2.25
182T 184T	8.62	6.50	4.50	3.75	4.50 5.50	0.41	0.25	2.81	9.23	9.46	1.125	2.75	1.09	7.18	5.93	2.75
213T 215T	9.62	8.12	5.25	4.25	5.50 7.00	0.41	0.31	3.88	10.99	11.50	1.375	3.38	1.38	9.22	7.38	3.50
254T 256T	11.50	11.50	6.25	5.00	8.25 10.00	0.53	0.38	4.32	12.88	12.94	1.625	4.00	1.38	10.04	8.19	4.25
284T 286T	12.75	12.84	7.00	5.50	9.50 11.00	0.53	0.50	4.75	13.83	13.63	1.625	4.63	2.00	12.20	9.66	4.75
284TS 286TS	12.75	12.84	7.00	5.50	9.50 11.00	0.53	0.38	3.37	13.83	13.63	1.625	3.25	2.00	12.20	9.66	4.75
324T 326T	14.50	14.00	8.00	6.25	10.50 12.00	0.66	0.50	5.56	15.44	15.92	2.125	5.25	2.50	13.74	11.19	5.25
324TS 326TS	14.50	14.00	8.00	6.25	10.50 12.00	0.66	0.50	4.06	15.44	15.92	1.875	3.75	2.50	13.74	11.19	5.25
364T 365T	16.50	14.50	9.00	7.00	11.25 12.25	0.66	0.62	6.13	18.38	19.25	2.375	5.88	3.62	14.95	12.40	5.88
364TS 365TS	16.50	14.50	9.00	7.00	11.25 12.25	0.66	0.50	4.00	18.38	19.25	1.875	3.75	3.62	14.95	12.40	5.88
404T 405T	18.88	16.63	10.00	8.00	12.25 13.75	0.81	0.75	7.50	19.38	19.81	2.875	7.25	3.63	17.85	14.18	6.63

NOTE: Drawings shown are for reference only. Please contact Baldor for a detailed dimensional drawing of the specific motor you require. Drawings may also be available from our CD-ROM or website at www.baldor.com

Dimensions

Three Phase Cast Iron Construction Motors
Totally Enclosed Fan-Cooled - NEMA 143TC through 365TC - C-Face With Base



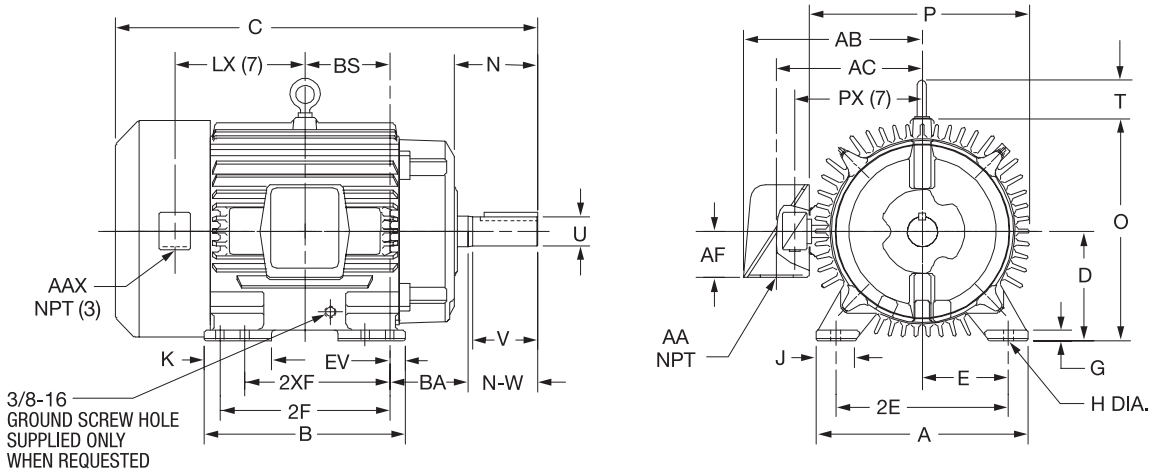


NEMA Frame	A	B	D	E	2F	H	Key	O	P	U	V	AA	AB	AC	AH	AJ	AK	BB	BD	Tap BF	BA
143TC 145TC	6.50	5.88	3.50	2.75	4.00 5.00	0.38	0.19	7.51	8.00	0.875	2.13	1.09	6.43	5.18	2.25	5.88	4.50	0.13	6.47	0.38-16	2.75
182TC 184TC	8.62	6.50	4.50	3.75	4.50 5.50	0.41	0.25	9.23	9.46	1.125	2.62	1.09	7.18	5.93	2.75	7.25	8.50	0.25	8.87	0.50-13	3.50
213TC 215TC	9.62	8.12	5.25	4.25	5.50 7.00	0.41	0.31	10.99	11.50	1.375	3.38	1.38	9.21	7.37	3.13	7.25	8.50	0.25	9.06	0.50-13	4.25
254TC 256TC	11.50	11.50	6.25	5.00	8.25 10.00	0.53	0.38	12.18	11.62	1.625	4.00	1.38	9.4	7.56	3.75	7.25	8.50	0.25	9.09	0.50-13	4.75
284TC 286TC	12.75	12.84	7.00	5.50	9.50 11.00	0.53	0.50	13.85	13.63	1.875	4.63	2.00	12.20	9.66	4.38	9.00	10.50	0.25	11.21	0.50-13	4.75
324TC 326TC	14.50	14.00	8.00	6.25	10.50 12.00	0.66	0.50	15.44	14.78	2.125	5.00	2.50	13.74	11.19	4.75	11.00	12.50	0.25	13.05	0.62-11	5.25
364TC 365TC	16.50	14.50	9.00	7.00	11.25 12.25	0.66	0.62	18.38	19.25	2.375	5.88	3.62	14.95	12.40	5.63	11.00	12.50	0.25	12.90	0.63-11	5.88
404TC 405TC	18.88	16.63	10.00	8.00	12.25 13.75	0.81	0.75	19.38	19.81	2.875	7.25	3.63	17.85	14.18	7.00	11.00	12.50	0.25	12.90	0.63-11	6.62

NOTE: Drawings shown are for reference only.
Please contact Baldor for a detailed dimensional drawing of the specific motor you require.
Drawings may also be available from our CD-ROM or website at www.baldor.com

Dimensions

ECP - Cast Iron Construction
Totally Enclosed Fan Cooled - NEMA 143T-449T - Foot Mounted

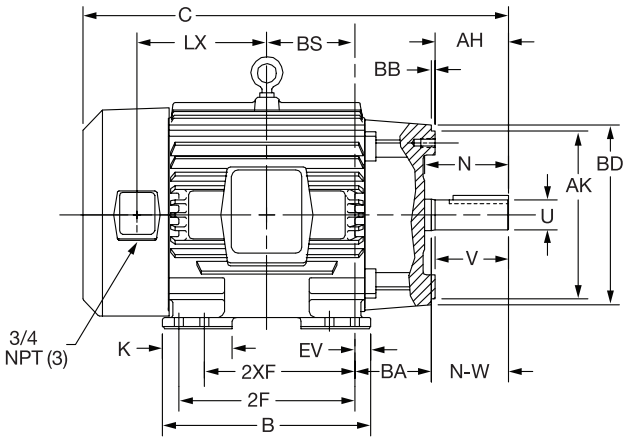


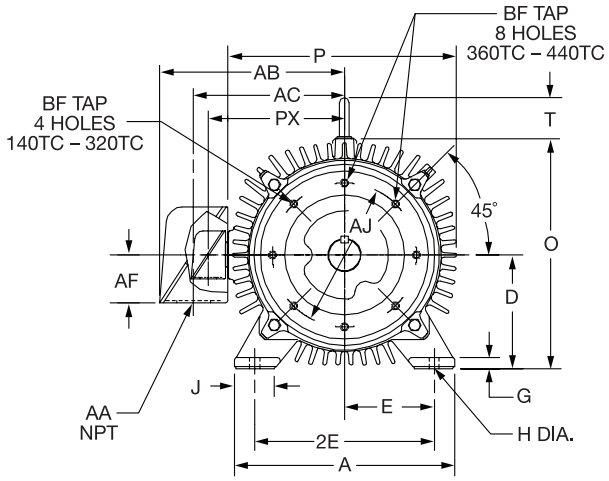
Frame Size (1)	A	D(2)	E	G	H	O	P	T	Cast Iron Conduit Box				BA	C	BS	B	2F	2XF (2)	Shaft and Key						Wgt. lbs.
									AA	AB	AC	AF							N	N-W	U	V	Sq.	Lgth.	
143T 145T	6.50	3.50	2.75	—	0.38	7.48	8.00	1.88	0.75	6.38	5.00	—	2.25	12.88	—	5.88	4.00 5.00	—	2.50	2.25	0.875	2.25	0.19	1.38	58 65
182T L182T	9.00	4.50	3.75	0.44	0.44	9.88	9.50	2.00	1.00	8.44	6.69	2.12	2.75	15.62 17.12	2.75 3.50	7.00 8.50	—	4.50	3.00	2.75	1.130	2.50	0.25	1.75	86 116
184T L184T	9.00	4.50	3.75	0.44	0.44	9.88	9.50	2.00	1.00	8.44	6.69	2.12	2.75	15.62 17.12	2.75 3.50	7.00 8.50	5.50	—	3.00	2.75	1.130	2.50	0.25	1.75	91 121
213T L213T	10.50	5.25	4.25	0.44	0.44	11.25	11.00	2.00	1.00	9.31	7.56	2.12	3.50	19.31 20.19	3.50 3.94	8.50 9.12	—	5.50	3.62	3.38	1.375	3.12	0.312	2.38	135 175
215T L215T	10.50	5.25	4.25	0.44	0.44	11.25	11.00	2.00	1.00	9.31	7.56	2.12	3.50	19.31 20.19	3.50 3.94	8.50 9.12	7.00	—	3.62	3.38	1.375	3.12	0.312	2.38	145 185
254T 256T	12.50	6.25	5.00	0.75	0.56	13.25	13.25	2.44	1.25	10.81	8.81	2.50	4.25	24.56	5.00	12.00	— 10.00	8.25 —	4.12	4.00	1.625	3.75	0.375	2.88	335 345
284T 284TS	13.75	7.00	5.50	0.75	0.56	14.75	14.88	2.44	1.50	12.62	10.19	3.00	4.75	27.44 26.06	5.50	13.00	—	9.50	5.00 3.62	4.62 3.25	1.875 1.625	4.38 3.00	0.500 0.375	3.25 1.88	475
286T 286TS	13.75	7.00	5.50	0.75	0.56	14.75	14.88	2.44	1.50	12.62	10.19	3.00	4.75	27.44 26.06	5.50	13.00	11.00	—	5.00 3.62	4.62 3.25	1.875 1.625	4.38 3.00	0.500 0.375	3.25 1.88	490
324T 324TS	15.50	8.00	6.25	0.88	0.69	16.69	17.00	2.44	2.00	15.44	11.69	3.62	5.25	30.44 28.94	6.00	14.75	—	10.50	5.62 4.12	5.25 3.75	2.125 1.875	5.00 3.50	0.500	3.88 2.00	590
326T 326TS	15.50	8.00	6.25	0.88	0.69	16.69	17.00	2.44	2.00	15.44	11.69	3.62	5.25	30.44 28.94	6.00	14.75	12.00	—	5.62 4.12	5.25 3.75	2.125 1.875	5.00 3.50	0.500	3.88 2.00	630
364T 364TS	17.00	9.00	7.00	0.88	0.69	18.50	19.50	2.94	3.00	18.00	13.81	4.12	5.88	33.44 31.31	6.12	15.00	—	11.25	6.25 4.12	5.88 3.75	2.375 1.875	5.62 3.50	0.625 0.500	4.25 2.00	865 859
365T 365TS	17.00	9.00	7.00	0.88	0.69	18.50	19.50	2.94	3.00	18.00	13.81	4.12	5.88	33.44 31.31	6.12	15.00	12.25	—	6.25 4.12	5.88 3.75	2.375 1.875	5.62 3.50	0.625 0.500	4.25 2.00	890 884
404T 404TS	19.00	10.00	8.00	1.12	0.81	21.31	22.50	2.94	3.00	19.25	15.06	4.12	6.62	38.31 35.31	6.88	16.00	—	12.25	7.50 4.50	7.25 4.25	2.875 2.125	7.00 4.00	0.750 0.500	5.62 2.75	1,220 1,211
405T 405TS	19.00	10.00	8.00	1.12	0.81	21.31	22.50	2.94	3.00	19.25	15.06	4.12	6.62	38.31 35.31	6.88	16.00	13.75	—	7.50 4.50	7.25 4.25	2.875 2.125	7.00 4.00	0.750 0.500	5.62 2.75	1,260 1,251
444T 444TS	21.00	11.00	9.00	1.12	0.81	23.38	25.25	3.25	3.00	22.19	17.44	6.00	7.50	44.62 40.88	8.25	19.00	—	14.50	8.94 5.19	8.50 4.75	3.375 2.375	8.25 4.50	0.875 0.625	6.88 3.00	1,670 1,654
445T 445TS	21.00	11.00	9.00	1.12	0.81	23.38	25.25	3.25	3.00	22.19	17.44	6.00	7.50	44.62 40.88	8.25	19.00	16.50	—	8.94 5.19	8.50 4.75	3.375 2.375	8.25 4.50	0.875 0.625	6.88 3.00	1,860 1,844
447T 447TS	22.00	11.00	9.00	1.25	0.81	23.62	26.00	0.75	4.00	23.87	18.62	7.00	7.81	48.40 44.65	10.00	22.50	20.00	—	8.19 4.44	8.19 4.44	3.375 2.375	8.19 4.44	0.875 0.625	6.88 3.00	2,275
449T 449TS	22.00	11.00	9.00	1.25	0.81	23.62	26.00	0.75	4.00	23.87	18.62	7.00	7.81	53.40 49.60	12.50	27.50	25.00	—	8.19 4.44	8.19 4.44	3.375 2.375	8.19 4.44	0.875 0.625	6.88 3.00	2,650

NOTE: (1) Frame sizes with the "L" designation are not suitable for conversion to F-2 mounting.
(2) Frames 143T through 445T have eight (8) mounting holes for dual mounting. (3) Auxiliary conduit box supplied when specified.
Dimensions are in Inches. Drawings shown are for reference only. Please contact Baldor for a detailed dimensional drawing of the specific motor you require.
Drawings may also be available from our website at www.Baldor.com.

Dimensions

CP/ECP - Cast Iron Construction
Totally Enclosed Fan Cooled - NEMA 143TC-326TC - C-Face, Foot Mounted





Frame Size (1)	A	D	E	H	O	P	T	BA	Cast Iron Conduit Box				BB	BD	BF	Min Tap Depth	AJ	AK	C	BS	B	2F	2XF (2)	Shaft and Key						Wgt. Lbs.
									AA	AB	AC	AF												N	N-W	U	V	Sq.	Lgth	
143TC	6.50	3.50	2.75	0.38	7.48	8.00	2.00	2.75	0.75	6.38	5.31	—	0.13	6.47	3/8-16	0.62	5.88	4.50	13.38	2.50	5.88	4.00	—	2.50	2.25	0.875	2.25	0.190	1.38	58
145TC																						5.00								65
182TC	9.00	4.50	3.75	0.44	9.88	9.50	2.00	3.50	1.00	8.44	6.69	2.12	0.25	9.00	1/2-13	0.75	7.25	8.50	16.38	2.75	7.00	—	4.50	3.00	2.75	1.125	2.50	0.250	1.75	95
184TC																			16.38	2.75	7.00	5.50	—							100
L184TC																			17.88	3.50	8.50	5.50	—							130
213TC	10.50	5.25	4.25	0.44	11.25	11.00	2.00	4.25	1.00	9.31	7.56	2.12	0.25	9.00	1/2-13	0.75	7.25	8.50	20.06	3.50	8.50	—	5.50	3.62	3.38	1.375	3.12	0.312	2.38	145
215TC																			20.06	3.50	8.50	7.00	—							155
L215TC																			20.94	3.94	9.12	7.00	—							195
254TC	12.50	6.25	5.00	0.56	13.25	13.25	2.44	4.75	1.25	10.81	8.81	2.50	0.25	9.00	1/2-13	0.75	7.25	8.50	25.06	5.00	12.00	—	8.25	4.06	4.00	1.625	3.75	0.375	2.88	345
256TC																						10.00	—							355
284TC	13.75	7.00	5.50	0.56	14.75	14.88	2.44	4.75	1.50	12.62	10.19	3.00	0.25	11.25	1/2-13	0.75	9.00	10.50	27.44	5.50	13.00	—	9.50	5.00	4.62	1.875	4.38	0.500	3.25	485
286TC																						11.00	—							500
324TC	15.50	8.00	6.25	0.69	16.69	17.00	2.44	5.25	2.00	15.44	11.69	3.62	0.25	13.12	5/8-11	0.94	11.00	12.50	30.44	6.00	14.75	—	10.50	5.62	5.25	2.125	5.00	0.500	3.88	605
326TC																						12.00	—							645

NOTE: (1) Frame sizes with the "L" designation are not suitable for conversion to F-2 mounting.
(2) All frames have eight (8) mounting holes for dual mounting.
(3) Auxiliary conduit box supplied when specified.
Dimensions are in Inches. Drawings shown are for reference only.
Please contact Baldor for a detailed dimensional drawing of the specific motor you require.
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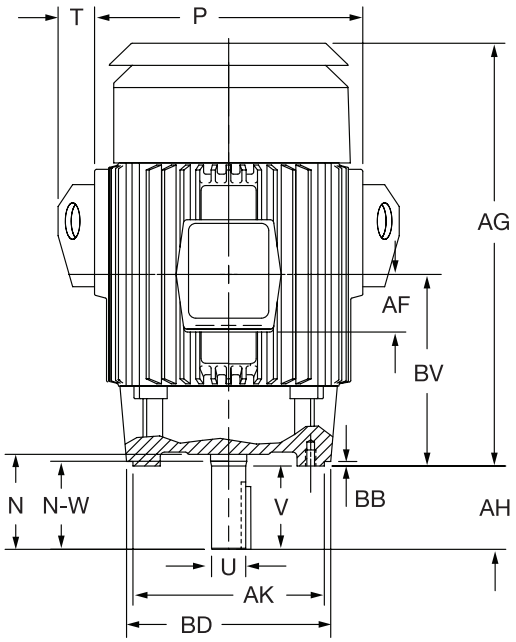
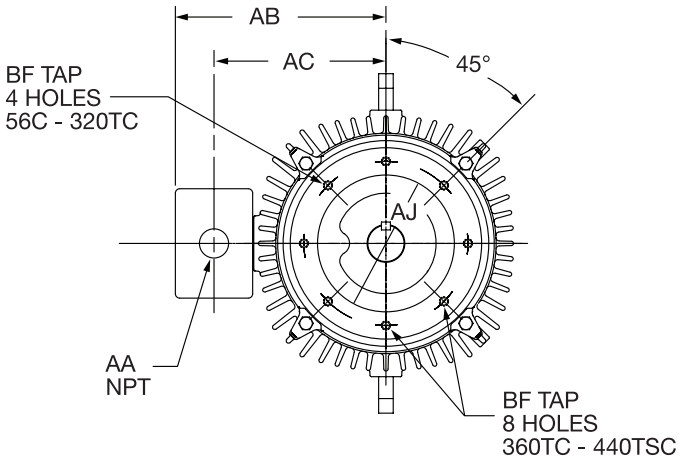
Dimensions

ECP - Cast Iron Construction Motors
Totally Enclosed Fan Cooled - NEMA 56C-324TC - C-Face, Footless



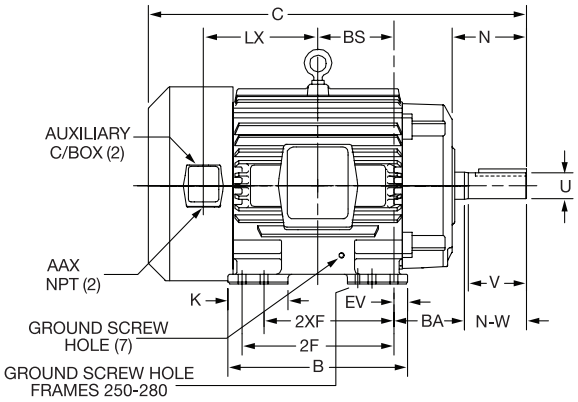


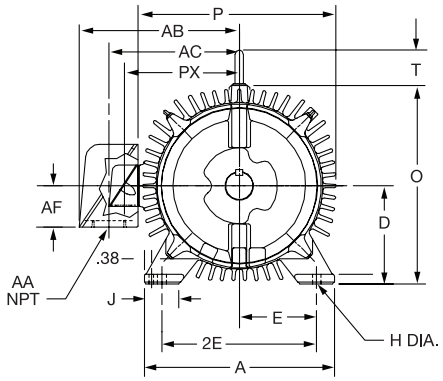
Frame Size	P	Cast Iron Conduit Box				AJ	AK	BB	BD	BF	Min Tap Depth	T	C	AG	AH	BV	Shaft and Key						Wgt. Lbs.
		AA	AB	AC	AF												N	N-W	U	V	Lgth	Sq.	
56C	8.02	0.75	6.47	5	—	5.88	4.50	0.13	6.48	3/8-16	0.75	—	12.69	—	2.06	—	1.88	1.88	0.625	1.88	1.38	0.190	53
143TC 145TC	8.02	0.75	6.47	5.00	—	5.88	4.50	0.13	6.48	3/8-16	0.75	—	13.92	—	2.12	—	2.25	2.25	0.875	2.25	1.38	0.190	62
182TC 184TC	10.50	1.00	8.44	6.69	2.12	7.25	8.50	0.25	8.75	1/2-13	0.75	1.44	—	15.49	2.62	6.44	2.94	2.75	1.125	2.50	1.75	0.250	126
213TC 215TC	11.00	1.00	9.31	7.31	2.12	7.25	8.50	0.25	9.00	1/2-13	0.75	1.44	—	18.44	3.12	7.69	3.62	3.38	1.375	3.12	2.38	0.312	190
254TC 256TC	14.00	1.25	10.81	8.81	2.50	7.25	8.50	0.25	9.00	1/2-13	0.75	2.25	—	23.22	3.75	10.00	4.06	4.00	1.625	3.75	2.88	0.375	350
284TC 286TC	15.50	1.50	12.62	10.19	3.00	9.00	10.50	0.25	11.25	1/2-13	0.75	2.25	—	24.97	4.38	10.50	5.00	4.62	1.875	4.38	3.25	0.500	475 490
324TC	17.38	2.00	15.44	11.69	3.62	11.00	12.50	0.25	13.12	5/8-11	0.94	2.25	—	27.35	5.00	11.50	5.62	5.25	2.125	5.00	3.88	0.500	605

NOTE: Dimensions are in Inches
Drawings shown are for reference only.
Please contact Baldor for a detailed dimensional drawing of the specific motor you require.
Drawings may also be available from our website at www.Baldor.com.

Dimensions

841XL and 661XL - Three Phase - Cast Iron Construction Motors
Totally Enclosed Fan Cooled - NEMA 143T-449T - Foot Mounted



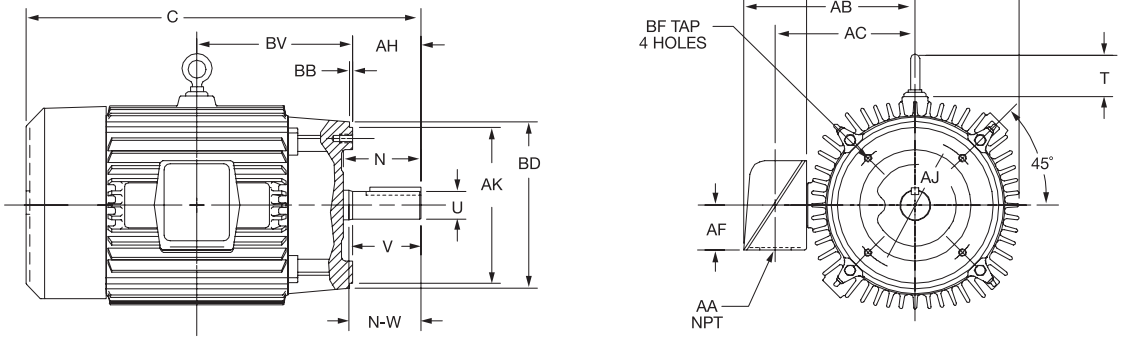


Frame Size (1)	A	D(2)	E	H	O	P	T	BA	Cast Iron Conduit Box				Aux C/box (2)			C	BS	B	2F	2XF (3)	Shaft and Key						Weight Lbs.
									AA	AB	AC	AF	AAX	LX	PX						N	N-W	U	V	Sq.	Lgth	
143T 145T	6.50	3.50	2.75	0.38	7.48	8.00	2.00	2.25	0.75	6.38	5.31	—	—	—	—	12.88 15.62 17.12	2.50 2.75 3.50	5.88 7.00 8.50	4.00 5.00	—	2.50	2.25	0.88	2.25	0.19	1.38	58 65
182T L182T	9.00	4.50	3.75	0.44	9.88	9.50	2.00	2.75	1.00	8.44	6.69	2.12	0.75	4.00 4.75	7.06	15.62 17.12	2.75 3.50	7.00 8.50	—	4.50	3.00	2.75	1.13	2.50	0.25	1.75	86 91
184T L184T	9.00	4.50	3.75	0.44	9.88	9.50	2.00	2.75	1.00	8.44	6.69	2.12	0.75	4.00 4.75	7.06	15.62 17.12	2.75 3.50	7.00 8.50	5.50	—	3.00	2.75	1.13	2.50	0.25	1.75	116 121
213T L213T	10.50	5.25	4.25	0.44	11.25	11.00	2.00	3.50	1.25	9.81	7.81	2.50	0.75	5.12 5.56	7.72	19.31 20.19	3.50 3.94	8.50 9.12	—	5.50	3.62	3.38	1.38	3.12	0.31	2.38	135 145
215T L215T	10.50	5.25	4.25	0.44	11.25	11.00	2.00	3.50	1.25	9.81	7.81	2.50	0.75	5.12 5.56	7.72	19.31 20.19	3.50 3.94	8.50 9.12	7.00	—	3.62	3.38	1.38	3.12	0.31	2.38	175 185
254T 256T	12.50	6.25	5.00	0.56	13.25	13.25	2.44	4.25	1.25	10.81	8.81	2.50	0.75	7.06	9.31	24.56	5.00	12.00	— 10.00	8.25 —	4.12	4.00	1.63	3.75	0.38	2.88	335 345
284T 284TS	13.75	7.00	5.50	0.56	14.75	14.88	2.44	4.75	1.50	12.62	10.19	3.00	0.75	7.63	10.50	27.44 26.06	5.50	13.00	—	9.50	5.00 3.62	4.62 3.25	1.88 1.63	4.38 3.00	0.50 0.38	3.25 1.88	475
286T 286TS	13.75	7.00	5.50	0.56	14.75	14.88	2.44	4.75	1.50	12.62	10.19	3.00	0.75	7.63	10.50	27.44 26.06	5.50	13.00	11.00	—	5.00 3.62	4.62 3.25	1.88 1.63	4.38 3.00	0.50 0.38	3.25 1.88	490 490
324T 324TS	15.50	8.00	6.25	0.69	16.69	17.00	2.44	5.25	2.00	15.44	11.69	3.62	0.75	8.75	10.50	30.44 28.94	6.00	14.75	—	10.50	5.62 4.12	5.25 3.75	2.13 1.88	5.00 3.50	0.50	3.88 2.00	590
326T 326TS	15.50	8.00	6.25	0.69	16.69	17.00	2.44	5.25	2.00	15.44	11.69	3.62	0.75	8.75	10.50	30.44 28.94	6.00	14.75	12.00	—	5.62 4.12	5.25 3.75	2.13 1.88	5.00 3.50	0.50	3.88 2.00	630
364T 364TS	17.00	9.00	7.00	0.69	18.50	19.50	2.94	5.88	3.00	18.00	13.81	4.12	0.75	9.12	11.62	33.44 31.31	6.12	15.00	—	11.25	6.25 4.12	5.88 3.75	2.38 1.88	5.62 3.50	0.63 0.50	4.25 2.00	865 859
365T 365TS	17.00	9.00	7.00	0.69	18.50	19.50	2.94	5.88	3.00	18.00	13.81	4.12	0.75	9.12	11.62	33.44 31.31	6.12	15.00	12.25	—	6.25 4.12	5.88 3.75	2.38 1.88	5.62 3.50	0.63 0.50	4.25 2.00	890 884
404T 404TS	19.00	10.00	8.00	0.81	21.31	22.50	2.94	6.62	3.00	19.25	15.06	4.12	0.75	9.62	14.44	35.31	6.88	16.00	—	12.25	7.50 4.50	7.25 4.25	2.88 2.13	7.00 4.00	0.75 0.50	5.62 2.75	1220 1211
405T 405TS	19.00	10.00	8.00	0.81	21.31	22.50	2.94	6.62	3.00	19.25	15.06	4.12	0.75	9.62	14.44	38.31 35.31	6.88	16.00	13.75	—	7.50 4.50	7.25 4.25	2.88 2.13	7.00 4.00	0.75 0.50	5.62 2.75	1260 1251
444T 444TS	21.00	11.00	9.00	0.81	23.38	25.25	3.25	7.50	3.00	22.19	17.44	6.00	0.75	11.12	15.25	44.62 40.88	8.25	19.00	—	14.50	8.94 5.19	8.50 4.75	3.38 2.38	8.25 4.50	0.88 0.63	6.88 3.00	1670 1654
445T 445TS	21.00	11.00	9.00	0.81	23.38	25.25	3.25	7.50	3.00	22.19	17.44	6.00	0.75	11.12	15.25	44.62 40.88	8.25	19.00	16.50	—	8.94 5.19	8.50 4.75	3.38 2.38	8.25 4.50	0.88 0.63	6.88 3.00	1860 1844
447T 447TS	22.00	11.00	9.00	0.81	23.62	26.00	0.75	7.50	3.00	23.87	18.62	7.00	0.75	12.88	15.50	48.13 44.37	10.00	22.50	20.00	—	8.50 4.75	8.50 4.75	3.38 2.38	8.82 4.50	0.88 0.63	6.88 3.00	2275
449T 449TS	22.00	11.00	9.00	0.81	23.62	26.00	0.75	7.50	3.00	23.87	18.62	7.00	0.75	15.38	15.50	53.13 49.37	12.50	27.50	25.00	—	8.50 4.75	8.50 4.75	3.38 2.375	8.25 4.50	0.88 0.625	6.88 3.00	2650

NOTE: (1) Frame sizes with the "L" designation are not suitable for conversion to F-2 mounting.
(2) Auxiliary terminal box supplied only when specified.
(3) Frames 143T through 445T have eight (8) mounting holes for dual mounting.
Dimensions are in Inches Drawings shown are for reference only. Please contact Baldor for a detailed dimensional drawing of the specific motor you require.
Drawings may also be available from our website at www.Baldor.com.

Dimensions

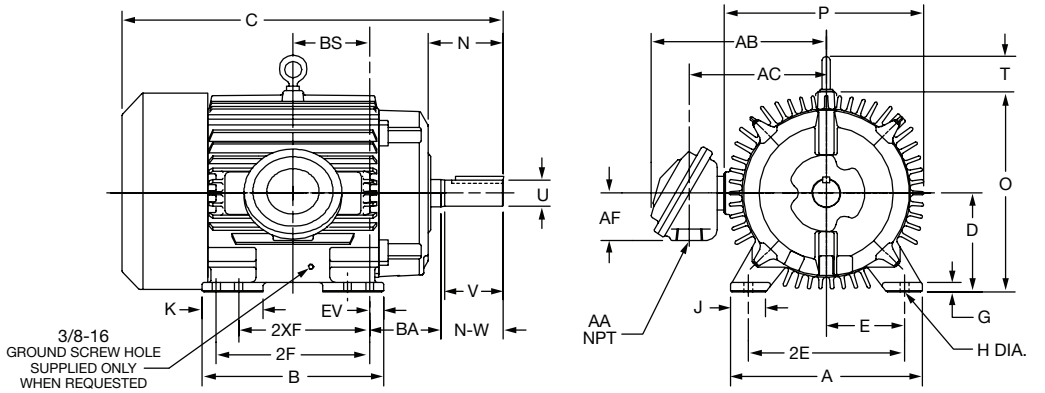
841XL - Three Phase - Cast Iron Construction Motors
Totally Enclosed Fan Cooled - NEMA 143TC-365TC - C-Face, Footless



Frame Size	P	Cast Iron Conduit Box				AJ	AK	BB	BD	BF	Min Tap Depth	T	C	BV	AH	Shaft and Key						Wgt. Lbs.
		AA	AB	AC	AF											N	N-W	U	V	Sq.	Lgth	
143TC 145TC	7.48	0.75	6.38	5.31	—	5.88	4.50	0.13	6.47	3/8-16	0.62	2.00	14.56	—	2.12	2.50	2.25	0.875	2.25	0.190	1.38	58 65
182TC 184TC	9.50	1.00	8.44	6.69	2.12	7.25	8.50	0.25	9.00	1/2-13	0.75	2.00	17.88	7.13	2.62	3.00	2.75	1.125	2.50	0.250	1.75	126
213TC 215TC	11.00	1.25	9.81	7.81	2.50	7.25	8.50	0.25	9.00	1/2-13	0.75	2.00	20.94	8.45	3.12	3.62	3.38	1.375	3.12	0.312	2.38	190
254TC 256TC	13.25	1.25	10.81	8.81	2.50	7.25	8.50	0.25	9.00	1/2-13	0.75	2.44	25.06	10.00	3.75	4.06	4.00	1.625	3.75	0.375	2.88	335 345

NOTE: Drawings shown are for reference only. Contact Baldor for a detailed dimensional drawing of the specific motor you require. Drawings may also be available from our CD-ROM or at www.baldor.com.

Explosion Proof - ECP/XEX - Cast Iron Construction Motors
Totally Enclosed Fan Cooled - NEMA L182T-445T - Foot Mounted

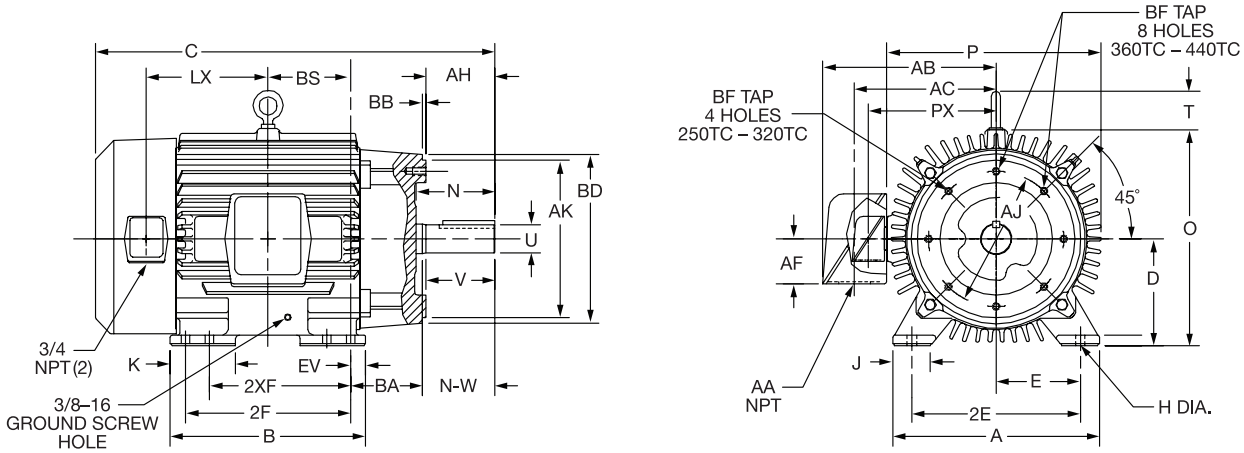


Frame Size	A	B	C	D	E	2F	H	KEY	N	O	P	U	V	AA	AB	AC	AF	BA	Wgt. Lbs.(5)
L182T L184T	9	8.5	17.12	4.5	3.75	4.5 5.5	0.44	0.188	2.81	9.88	9.25	1.125	2.5	1	9.5	6.94	2.5	2.75	110 115
213T 215T	10.5	8.5	19.25	5.25	4.25	5.5 7.0	0.44	0.25	3.44	11.25	10.5	1.375	3.12	1	10.5	7.81	2.5	3.5	130 140
L213T L215T	10.5	9.12	20.12	5.25	4.25	5.5 7.0	0.44	0.25	3.44	11.25	10.5	1.375	3.12	1	10.5	7.81	2.5	3.5	170 180
254T 256T	12.5	12	24.56	6.25	5	8.25 10	0.56	0.375	4.06	13.25	13.25	1.625	3.75	1.25	12.38	9.69	3.38	4.25	335 345
284T 286T	13.75	13	27.44	7	5.5	9.5 11	0.56	0.5	4.69	14.75	14.88	1.875	4.38	1.5	13.25	10.56	3.38	4.75	495 510
324T 326T	15.5	14.75	30.44	8	6.25	10.5 12	0.69	0.5	5.62	16.69	17	2.125	5	2	17.06	12.5	4.25	5.25	610 650
364T 365T	17	15	33.44	9	7	11.25 12.25	0.69	0.625	6	18.5	19.5	2.375	5.62	3	18.81	14.25	4.25	5.88	910 950
404T 405T	19	16	38.31	10	8	12.25 13.75	0.81	0.75	7.5	21.31	22.5	2.875	7	3	20.5	15.88	4.25	6.62	1300 1335
444T 445T	21	19	44.62	11	9	14.5 16.5	0.81	0.875	8.94	23.38	25.25	3.375	8.25	3	26.25	20.38	6	7.5	1770 1960

NOTE: Drawings shown are for reference only. Contact Baldor for a detailed dimensional drawing of the specific motor you require. Drawings may also be available from our CD-ROM or at www.baldor.com.

Dimensions

841XL - Three Phase - Cast Iron Construction Motors
Totally Enclosed Fan Cooled - NEMA 143TC-365TC - C-Face, Foot Mounted

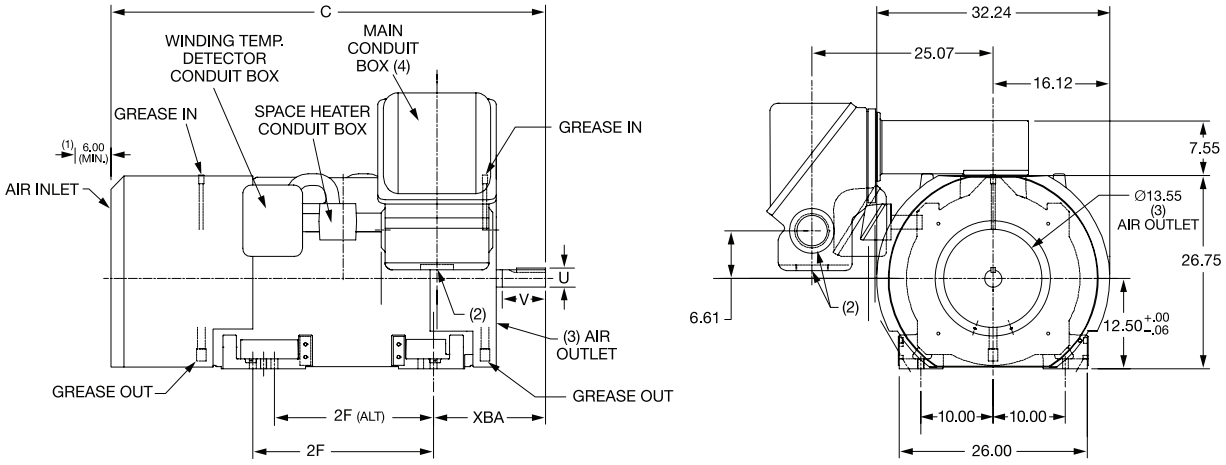


Frame Size (1)	A	D	E	H	O	P	T	BA	Cast Iron Conduit Box				Aux C/box (2)			BB	BD	BF	Min Tap Depth	AJ	AK	C	BS	B	2F (3)	2XF	Shaft and Key						Wgt. Lbs.
									AA	AB	AC	AF	AAX	LX	PX												N	N-W	U	V	Sq.	Lgth	
143TC 145TC	6.50	3.50	2.75	.38	7.48	8.00	2.00	2.75	.75	6.38	5.31	—	—	—	—	.13	6.47	3/8-16	.62	5.88	4.50	13.38	2.50	5.88	4.00 5.00	—	2.50	2.25	.875	2.25	.190	1.38	58 65
182TC L182TC	9.00	4.50	3.75	.44	9.88	9.50	2.00	3.50	1.00	8.44	6.69	2.12	.75	4.00 4.75	7.06	.25	9.00	1/2-13	.75	7.25	8.50	16.38 17.88	2.75 3.50	7.00 8.50	—	4.50	3.00	2.75	1.125	2.50	.250	1.75	95 125
184TC L184TC	9.00	4.50	3.75	.44	9.88	9.50	2.00	3.50	1.00	8.44	6.69	2.12	.75	4.00 4.75	7.06	.25	9.00	1/2-13	.75	7.25	8.50	16.38 17.88	2.75 3.50	7.00 8.50	5.50	—	3.00	2.75	1.125	2.50	.250	1.75	100 130
213TC L213TC	1.50	5.25	4.25	.44	11.25	11.00	2.00	4.25	1.25	9.81	7.81	2.50	.75	5.12 5.56	7.72	.25	9.00	1/2-13	.75	7.25	8.50	2.06 2.94	3.50 3.94	8.50 9.12	—	5.50	3.62	3.38	1.375	3.12	.312	2.38	145 185
215TC L215TC	1.50	5.25	4.25	.44	11.25	11.00	2.00	4.25	1.25	9.81	7.81	2.50	.75	5.12 5.56	7.72	.25	9.00	1/2-13	.75	7.25	8.50	2.06 2.94	3.50 3.94	8.50 9.12	7.00	—	3.62	3.38	1.375	3.12	.312	2.38	155 195
254TC 256TC	12.50	6.25	5.00	.56	13.25	13.25	2.44	4.75	1.25	1.81	8.81	2.50	.75	7.06	9.31	.25	9.00	1/2-13	.75	7.25	8.50	25.06	5.00	12.00	— 1.00	8.25 —	4.06	4.00	1.625	3.75	.375	2.88	345 355
284TC 284TSC	13.75	7.00	5.50	.56	14.75	14.88	2.44	4.75	1.50	12.62	1.19	3.00	.75	7.63	1.50	.25	11.25	1/2-13	.75	9.00	1.50	27.44 26.06	5.50	13.00	—	9.50	5.00 3.62	4.62 3.25	1.875 1.625	4.38 3.00	.500 .375	3.25 1.88	485
286TC 286TSC	13.75	7.00	5.50	.56	14.75	14.88	2.44	4.75	1.50	12.62	1.19	3.00	.75	7.63	1.50	.25	11.25	1/2-13	.75	9.00	1.50	27.44 26.06	5.50	13.00	11.00	—	5.00 3.62	4.62 3.25	1.875 1.625	4.38 3.00	.500 .375	3.25 1.88	500
324TC 324TSC	15.50	8.00	6.25	.69	16.69	17.00	2.44	5.25	2.00	15.44	11.69	3.62	.75	8.75	1.50	.25	13.12	5/8-11	.94	11.00	12.50	3.44 28.94	6.00	14.75	—	1.50	5.62 4.12	5.25 3.75	2.125 1.875	5.00 3.50	.500	3.88 2.00	605
326TC 326TSC	15.50	8.00	6.25	.69	16.69	17.00	2.44	5.25	2.00	15.44	11.69	3.62	.75	8.75	1.50	.25	13.12	5/8-11	.94	11.00	12.50	3.44 28.94	6.00	14.75	12.00	—	5.62 4.12	5.25 3.75	2.125 1.875	5.00 3.50	.500	3.88 2.00	645
364TC 364TSC	17.00	9.00	7.00	.69	18.50	19.50	2.94	5.88	3.00	18.00	13.81	4.12	.75	9.12	11.62	.25	13.00	5/8-11	.94	11.00	12.50	33.44 31.31	6.12	15.00	—	11.25	6.25 4.12	5.88 3.75	2.375 1.875	5.62 3.50	.625 .500	4.25 2.00	880 874
365TC 365TSC	17.00	9.00	7.00	.69	18.50	19.50	2.94	5.88	3.00	18.00	13.81	4.12	.75	9.12	11.62	.25	13.00	5/8-11	.94	11.00	12.50	33.44 31.31	6.12	15.00	12.25	—	6.25 4.12	5.88 3.75	2.375 1.875	5.62 3.50	.625 .500	4.25 2.00	905 899

NOTE: (1) Frame sizes with the "L" designation are not suitable for conversion to F-2 mounting.
(2) Auxiliary terminal box supplied only when specified.
(3) All frames have eight (8) mounting holes for dual mounting.
Dimensions are in Inches. Drawings shown are for reference only.
Please contact Baldor for a detailed dimensional drawing of the specific motor you require.
Drawings may also be available from our website at www.Baldor.com.

Dimensions

Super-E Liberator Large AC - Cast Iron Construction Motors
Totally Enclosed Fan Cooled - G30 Sizes

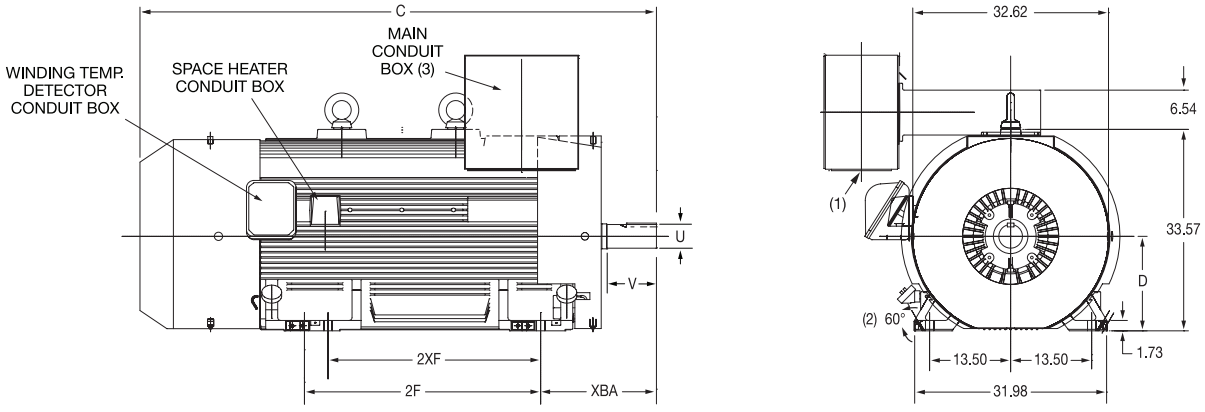


NOTES:
(1) – WALL OR OBSTRUCTION MUST NOT ENCROACH ON AIR INLET SPACE.
(2) – 4.0" N.P.T. FOR MOTOR POWER LEADS, 3 TOTAL.
(3) – AIR OUTLET OBSTRUCTION MUST NOT ENCROACH UPON AIR OUTLET SPACE.
(4) – CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-2 MOUNTING IS SPECIFIED.
ADDITIONAL DIMENSION INFORMATION AVAILABLE ON M/N SPECIFIC DIMENSION SHEETS.

Frame	RPM (Max)	Bearing Type	C	2F	X2F	U (+.000 /-.001)	V	XBA	D
G5008S	3600	Ball	60.14	25	22	2.375	6.00	15.5	12.5
G5008S	1800	Ball	60.14	25	22	4.125	6.00	15.5	12.5
G5008L	1800	Ball convertible to Roller	64.14	25	22	4.125	10.00	19.5	12.5
G5008L	1200	Roller convertible to Ball	64.14	25	22	4.500	10.00	19.5	12.5
G5010S	3600	Ball	67.14	32	28	2.375	6.00	15.5	12.5
G5010S	1800	Ball	67.14	32	28	4.125	6.00	15.5	12.5
G5010L	1800	Ball convertible to Roller	71.14	32	28	4.125	10.00	19.5	12.5
G5010L	1200	Roller convertible to Ball	71.14	32	28	4.500	10.00	19.5	12.5
G5012S	1800	Ball	75.14	40	36	4.125	6.00	15.5	12.5
G5012L	1800	Ball convertible to Roller	79.14	40	36	4.125	10.00	19.5	12.5
G5012L	1200	Roller convertible to Ball	79.14	40	36	4.500	10.00	19.5	12.5

NOTE: Dimensions are in inches.

Super-E Liberator Large AC - Cast Iron Construction Motors
Totally Enclosed Fan Cooled - G40 Sizes



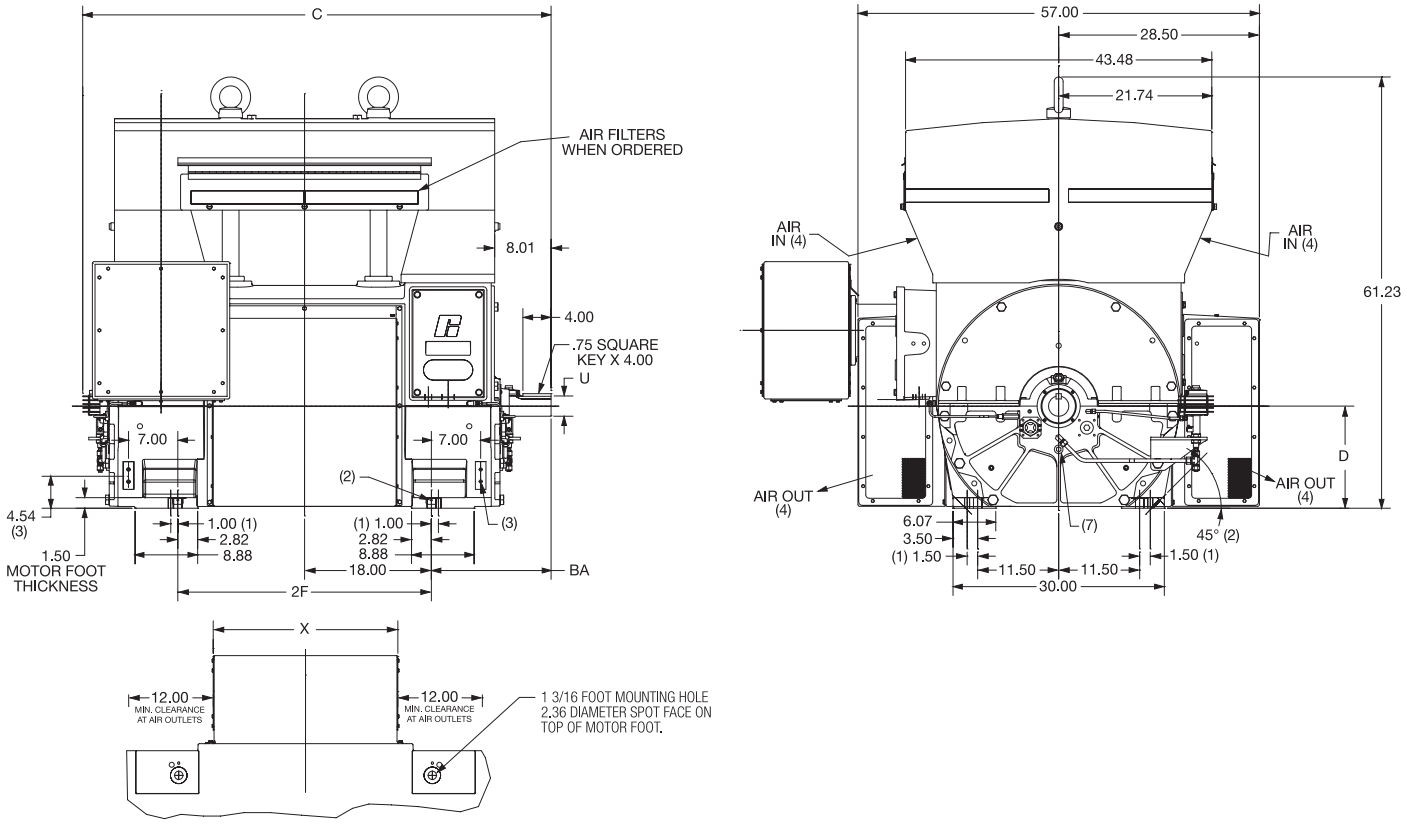
NOTES:
(1) – CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-2 MOUNTING IS SPECIFIED.
ADDITIONAL DIMENSION INFORMATION AVAILABLE ON M/N SPECIFIC DIMENSION SHEETS.

Frame	RPM (Max)	C	2F	X2F	U (+.000 /-.009)	V	XBA	D
5800	3600	83.31	39.37	35.43	2.3634	5.51	16.53	15.75
5800	1800	86.07	39.37	35.43	3.9384	8.27	19.29	15.75

NOTE: Dimensions are in inches.

Dimensions

Super-E® Liberator WPII - Weather Protected Type II Motors
Foot Mounted - 5800 Frame Sizes



NOTES:

1) 3/4-10 TAPPED VERTICAL JACKSCREW HOLE- ONE PER FOOT.
2) 7mm DOWEL PIN PILOT HOLE – ONE PER FOOT.
3) TWO S.S. GROUND PADS, EACH WITH TWO 1/2-13 TAPPED HOLES.
4) 12 INCH MINIMUM CLEARANCE REQUIRED TO ANY WALL OR OBSTRUCTION FOR AIR INLET SPACE.
5) DRAWING IS SCALED AND SHOWN WITH TERMINAL BOX IN THE NEMA F-1 LOCATION. MAIN TERMINAL BOX IS MIRRORED ON OPPOSITE SIDE OF MOTOR FOR F-2 LOCATION.
   DEPENDENT UPON CUSTOMER SPECIFICATIONS, OTHER MAIN TERMINAL BOXES SIZES OR ARRANGEMENTS MAY BE OFFERED AND PROVIDED.
   REFER TO TERMINAL BOX DIMENSION DRAWING 616171-26 FOR OTHER MAIN TERMINAL BOX SIZES AND DIMENSIONS.
   TABLE A ON THIS DRAWING IS AVAILABLE TO RECORD MAIN TERMINAL BOX DIMENSIONS.
6) OIL IN – BOTH ENDS
7) OIL DRAIN – BOTH ENDS
8) DRAWING IS SCALED AND SHOWN WITH OVERALL DIMENSION FOR STANDARD DESIGN.

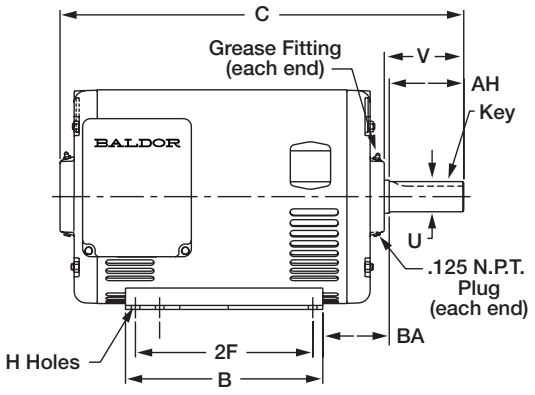
ALL DIMENSIONS ARE IN INCHES,

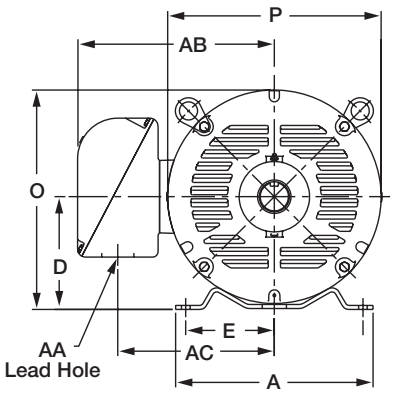
Frame	RPM (Max)	C	2F	U	D	BA	X
5808	1800	55.99	28.00	4.50	14.50	17.00	18.22
5808	3600	58.50	28.00	2.875	14.50	17.00	18.22
5810	1800	63.99	36.00	4.500	14.50	17.00	26.22
5810	3600	66.50	36.00	2.875	14.50	17.00	26.22
5812	1800	72.99	45.00	4.500	14.50	17.00	35.22

NOTE: Refer to 2F(ALT) mounting dimension for guidance in replacing 5007, 5009, 5011, 315J and 315G frame motors.
Dimensions are in inches.

Dimensions

Three Phase Motors
Open Drip-Proof - NEMA 56 through 449T



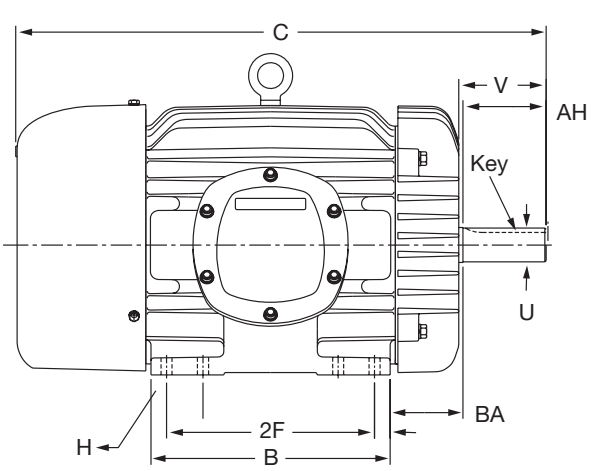


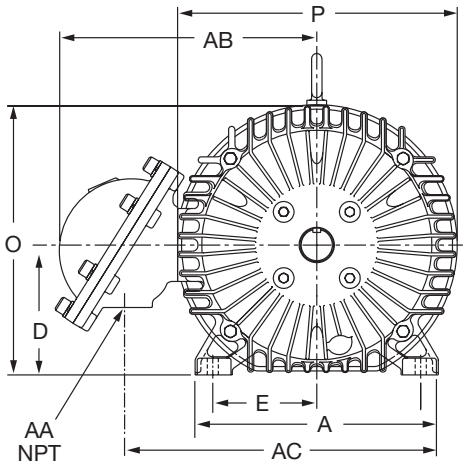
NEMA Frame	A	B	D	E	2F	H	Key	N	O	P	U	V	AA	AB	AC	BA
56	6.50	4.50	3.50	2.44	3.00	0.34	0.19	2.44	6.81	6.62	0.625	1.88	0.88	5.61	4.56	2.75
143T 145T	6.50	5.94	3.50	2.75	4.00 5.00	0.34	0.19	2.50	6.81	6.62	0.875	2.25	0.88	5.61	4.56	2.25
182T 184T	8.63	6.50	4.50	3.75	4.50 5.50	0.41	0.25	3.56	8.44	7.88	1.125	2.75	1.09	6.75	5.70	2.75
213T 215T	9.50	8.00	5.25	4.25	5.50 7.00	0.41	0.31	3.88	10.03	9.57	1.375	3.38	1.38	7.93	6.73	3.50
254T 256T	11.25	11.25	6.25	5.00	8.25 10.00	0.53	0.38	4.31	12.00	11.69	1.625	4.00	1.38	9.49	7.69	4.25
284T 286T	12.25	12.25	7.00	5.50	9.50 11.00	0.53	0.50	4.94	13.63	13.25	1.625	4.63	2.00	12.33	9.78	4.75
284TS 286TS	12.25	12.25	7.00	5.50	9.50 11.00	0.53	0.38	3.56	13.63	13.25	1.625	3.25	2.00	12.33	9.78	4.75
324T 326T	14.04	13.50	8.00	6.25	10.50 12.00	0.66	0.50	5.56	15.59	15.19	2.125	5.25	2.50	13.32	10.77	5.25
324TS 326TS	14.04	13.50	8.00	6.25	10.50 12.00	0.66	0.50	4.06	15.59	15.19	1.875	3.75	2.00	13.22	10.71	5.25
364T 365T	15.75	14.00	9.00	7.00	11.25 12.25	0.66	0.62	6.06	16.59	15.12	2.375	5.88	3.62	13.20	10.71	5.88
364TS 365TS	15.75	14.00	9.00	7.00	11.25 12.25	0.66	0.50	3.94	16.59	15.19	1.875	3.75	3.62	13.20	10.71	5.88
404T 405T	18.49	16.62	10.00	8.00	12.25 13.75	0.81	0.75	7.44	18.41	16.81	2.875	7.25	3.62	16.39	12.75	6.63
404TS 405TS	18.49	16.62	10.00	8.00	12.25 13.75	0.81	0.50	4.44	18.41	16.81	2.125	4.25	3.62	16.39	12.75	6.63
Cast Iron Construction																
364T 365T	17.56	15.13	9.00	7.00	11.25 12.25	0.65	0.63	6.06	18.80	18.35	2.375	5.88	3.63	15.02	12.46	5.88
404T 405T	19.50	16.63	10.00	8.00	12.25 13.75	0.81	0.75	7.50	20.14	20.28	2.875	7.25	3.63	18.40	14.68	6.62
404TS 405TS	19.50	16.63	10.00	8.00	12.25 13.75	0.81	0.50	4.50	20.14	20.28	2.125	4.25	3.63	18.40	14.68	6.62
444T 445T	21.50	19.50	11.00	9.00	14.50 16.50	0.81	0.88	8.87	22.18	22.55	3.375	8.50	3.62	19.06	14.62	7.50
444TS 445TS	21.50	19.50	11.00	9.00	14.50 16.50	0.81	0.63	5.13	22.18	22.55	2.375	4.75	3.62	19.06	14.62	7.50
447T 449T	21.50	28.00	11.00	9.00	15.00 25.00	0.81	0.875	8.87	22.43	22.84	3.375	8.50	4.00	20.67	15.76	7.50

NOTE: Drawings shown are for reference only. Contact Baldor for a detailed dimensional drawing of the specific motor you require. Drawings may also be available from our CD-ROM or at www.baldor.com.

Dimensions

Three Phase Motors - Explosion Proof
Totally Enclosed Fan-Cooled - NEMA 143T through 365T



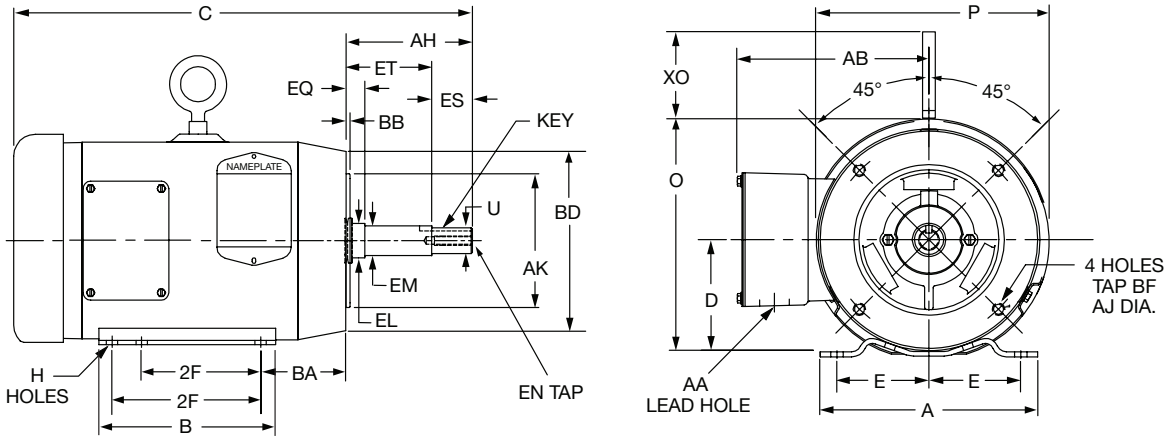


NEMA Frame	A	B	D	E	2F	H	Key	N	O	P	U	V	AA	AB	AC	BA
Steel Band Construction																
143T 145T	6.50	5.94	3.50	2.75	4.00 5.00	0.34	0.19	2.46	7.09	6.69	0.875	2.25	0.75	6.92	5.38	2.25
Cast Iron Construction																
143T 145T	6.50	8.47	3.50	2.75	4.00 5.00	0.37	0.19	2.38	7.84	8.56	0.875	2.25	0.75	8.07	6.59	2.25
182T 184T	8.63	8.00	4.50	3.75	4.50 5.50	0.41	0.25	3.26	9.56	10.09	1.125	2.75	0.75	8.56	6.53	2.75
213T 215T	9.75	8.00	5.25	4.25	5.50 7.00	0.41	0.31	3.47	10.75	11.00	1.375	3.38	0.75	9.66	7.62	3.50
254T 256T	11.50	11.50	6.25	5.00	8.25 10.00	0.53	0.38	4.20	12.94	13.38	1.625	4.00	1.25	11.21[1] 12.62[2]	8.57[1] 9.49[2]	4.25
284T 286T	12.76	12.75	7.00	5.50	9.50 11.00	0.53	0.50	4.88	14.74	15.54	1.875	4.63	1.25	14.33[1] 16.52[2]	10.69[1] 11.57[2]	4.75
324T 326T	14.50	14.00	8.00	6.25	10.50 12.00	0.66	0.50	5.44	16.68	17.40	2.125	5.25	1.50	15,21[1] 17.55[2]	11.60[1] 12.48[2]	5.25
364T 365T	16.50	14.50	9.00	7.00	11.25 12.25	0.66	0.62	6.13	18.44	19.13	2.375	5.88	3.00	19.85[2]	14.13[2]	5.88

NOTE: [1] Class I, Group C & D, Class II Group F & G
[2] Class I Group D, Class II Group F & G
Drawings shown are for reference only. Contact Baldor for a detailed dimensional drawing of the specific motor you require.
Drawings may also be available from our CD-ROM or at www.baldor.com.

Dimensions

Totally Enclosed Fan Cooled - Close-Coupled Pump
NEMA 143JM through 215JM



NEMA Frame	A	B	D	E	2F	H	KEY	O	P	U	AA	AB	AH	AJ	BF TAP	AK	BA	BB	BD	XO
Steel Band Construction																				
143JM	6.50	5.94	3.50	2.75	4.00	0.34	0.19	6.81	6.63	0.875	0.50	5.73	4.25	5.88	3/8-16	4.50	2.88	0.12	6.50	—
145JM	6.50	5.94	3.50	2.75	5.00	0.34	0.19	6.81	6.63	0.875	0.50	5.73	4.25	5.88	3/8-16	4.50	2.88	0.12	6.50	—
182JM	8.63	6.50	4.50	3.75	4.50	0.41	0.19	8.44	7.88	0.875	0.75	6.86	4.25	5.88	3/18-16	4.50	3.50	0.12	6.50	2.40
184JM	8.63	6.50	4.50	3.75	5.50	0.41	0.19	8.44	7.88	0.875	0.75	6.86	4.25	5.88	3/18-16	4.50	3.50	0.12	6.50	2.40
213JM	9.50	8.00	5.25	4.25	5.50	0.41	0.19	10.03	9.56	0.875	1.38	8.04	4.25	7.25	1/2-13	8.50	4.50	0.25	9.06	2.40
215JM	9.50	8.00	5.25	4.25	7.00	0.41	0.19	10.03	9.56	0.875	1.38	8.04	4.25	7.25	1/2-13	8.50	4.50	0.25	9.06	2.40
Cast Iron																				
254JM	11.50	11.50	6.25	5.00	8.25	0.53	0.25	12.88	12.94	1.250	1.38	10.04	5.25	7.25	1/2-13	8.50	4.75	0.25	9.09	2.72
256JM	11.50	11.50	6.25	5.00	10.00	0.53	0.25	12.88	12.94	1.250	1.38	10.04	5.25	7.25	1/2-13	8.50	4.75	0.25	9.09	2.72
284JM	12.75	12.84	7.00	5.50	9.50	0.53	0.25	14.44	15.29	1.250	2.00	13.11	5.25	11.00	5/8-11	12.50	4.75	0.25	13.05	2.72
286JM	12.75	12.84	7.00	5.50	11.00	0.53	0.25	14.44	15.29	1.250	2.00	13.11	5.25	11.00	5/8-11	12.50	4.75	0.25	13.05	2.72
324JM	14.50	14.00	8.00	6.25	10.50	0.66	0.25	16.25	17.85	1.250	2.50	14.61	5.25	11.00	5/8-11	12.50	5.25	0.25	13.40	3.22
326JM	14.50	14.00	8.00	6.25	12.00	0.66	0.25	16.25	17.85	1.250	2.50	14.61	5.25	11.00	5/8-11	12.50	5.25	0.25	13.40	3.22

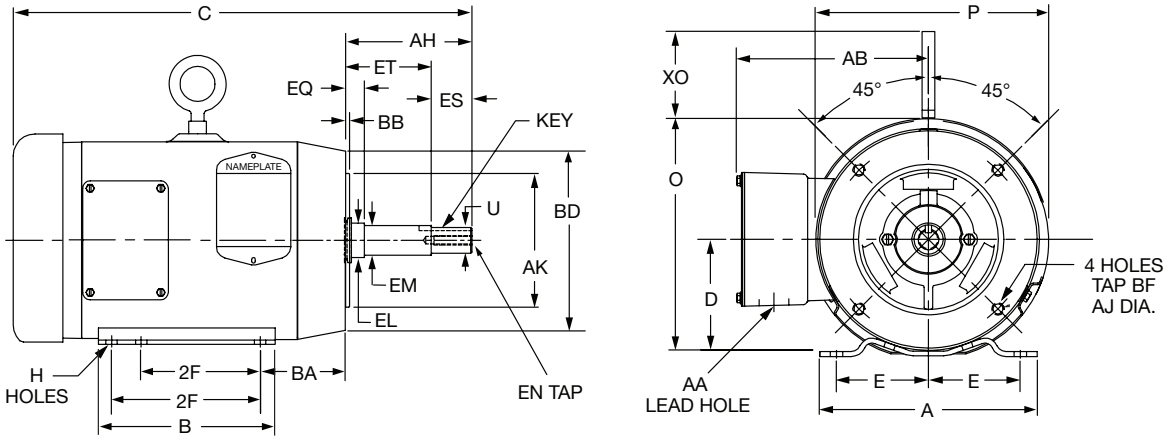
Washdown Closed-Coupled Pump Shaft Motors

NEMA Frame	EL	EM	EN	EQ	ES	ET
Steel Band Construction						
143JM	1.15	1.0	0.38-16 x 0.88	0.625	1.38	2.875
145JM	1.15	1.0	0.38-16 x 0.88	0.625	1.38	2.875
182JM	1.25	1.0	0.38-16 x 0.88	0.625	1.38	2.875
184JM	1.25	1.0	0.38-16 x 0.88	0.625	1.38	2.875
213JM	1.25	1.0	0.38-16 x 0.88	0.625	1.38	2.875
215JM	1.25	1.0	0.38-16 x 0.88	0.625	1.38	2.875
Cast Iron						
254JM	1.75	1.38	0.50-13x1.12	0.625	2.25	3.000
256JM	1.75	1.38	0.50-13x1.12	0.625	2.25	3.000
284JM	1.75	1.38	0.50-13x1.12	0.625	2.25	3.000
286JM	1.75	1.38	0.50-13x1.12	0.625	2.25	3.000
324JM	1.75	1.38	0.50-13x1.25	0.625	2.25	3.000
326JM	1.75	1.38	0.50-13x1.25	0.625	2.25	3.000

NOTE: Dimension for reference only. Contact a Baldor District Office or www.baldor.com for the detailed dimension drawing for your specific catalog number.

Dimensions

Totally Enclosed Fan Cooled - Close-Coupled Pump
NEMA 215JP through 326JP



NEMA Frame	A	B	D	E	2F	H	KEY	O	P	U	AA	AB	AH	AJ	BF TAP	AK	BA	BB	BD	XO
Steel Band Construction																				
215JP	9.50	8.00	5.25	4.25	7.00	0.41	0.19	10.03	9.56	0.875	1.38	8.04	8.125	7.25	1/2-13	8.50	4.50	0.25	9.06	2.40
Cast Iron																				
254JP	11.50	11.50	6.25	5.00	8.25	0.53	0.25	12.88	12.94	1.250	1.38	10.04	8.125	7.25	1/2-13	8.50	4.75	0.25	9.09	2.72
256JP	11.50	11.50	6.25	5.00	10.00	0.53	0.25	12.88	12.94	1.250	1.38	10.04	8.125	7.25	1/2-13	8.50	4.75	0.25	9.09	2.72
284JP	12.75	12.84	7.00	5.50	9.50	0.53	0.25	14.44	15.29	1.250	2.00	13.11	8.125	11.00	5/8-11	12.50	4.75	0.25	13.05	2.72
286JP	12.75	12.84	7.00	5.50	11.00	0.53	0.25	14.44	15.29	1.250	2.00	13.11	8.125	11.00	5/8-11	12.50	4.75	0.25	13.05	2.72
324JP	14.50	14.00	8.00	6.25	10.50	0.66	0.25	16.25	17.85	1.250	2.50	14.61	8.125	11.00	5/8-11	12.50	5.25	0.25	13.40	3.22
326JP	14.50	14.00	8.00	6.25	12.00	0.66	0.25	16.25	17.85	1.250	2.50	14.61	8.125	11.00	5/8-11	12.50	5.25	0.25	13.40	3.22

Washdown Closed-Coupled Pump Shaft Motors

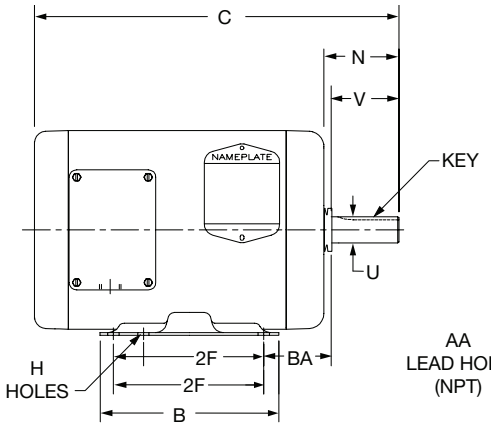
NEMA Frame	EL	EM	EN	EQ	ES	ET
Steel Band Construction						
215JP	1.75	1.38	0.50-13x1.12	2.375	2.25	5.875
Cast Iron						
254JP	1.75	1.38	0.50-13x1.12	2.375	2.25	5.875
256JP	1.75	1.38	0.50-13x1.12	2.375	2.25	5.875
284JP	1.75	1.38	0.50-13x1.12	2.375	2.25	5.875
286JP	1.75	1.38	0.50-13x1.12	2.375	2.25	5.875
324JP	1.75	1.38	0.50-13x1.25	2.375	2.25	5.875
326JP	1.75	1.38	0.50-13x1.25	2.375	2.25	5.875

NOTE: Dimension for reference only. Contact a Baldor District Office or www.baldor.com for the detailed dimension drawing for your specific catalog number.

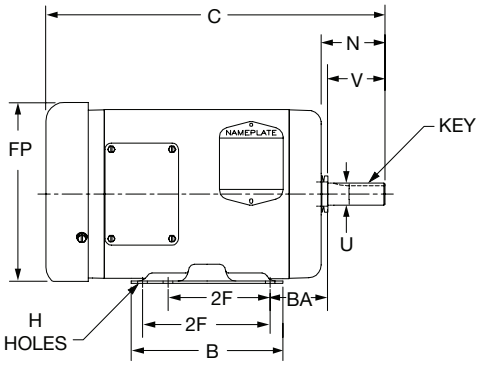
Dimensions

Washdown NEMA 56 through 256TC

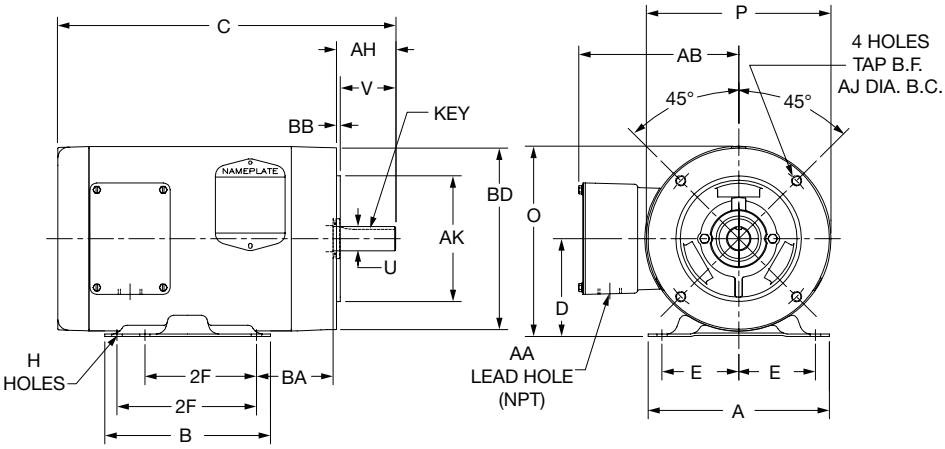
TENV Enclosure



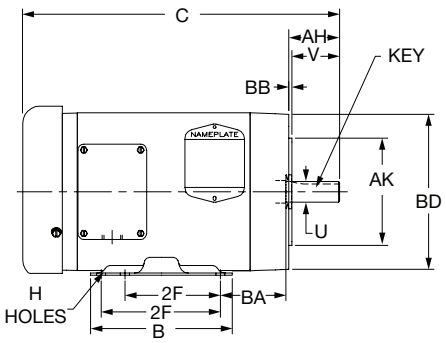
TEFC Enclosure



TENV Enclosure



TEFC Enclosure



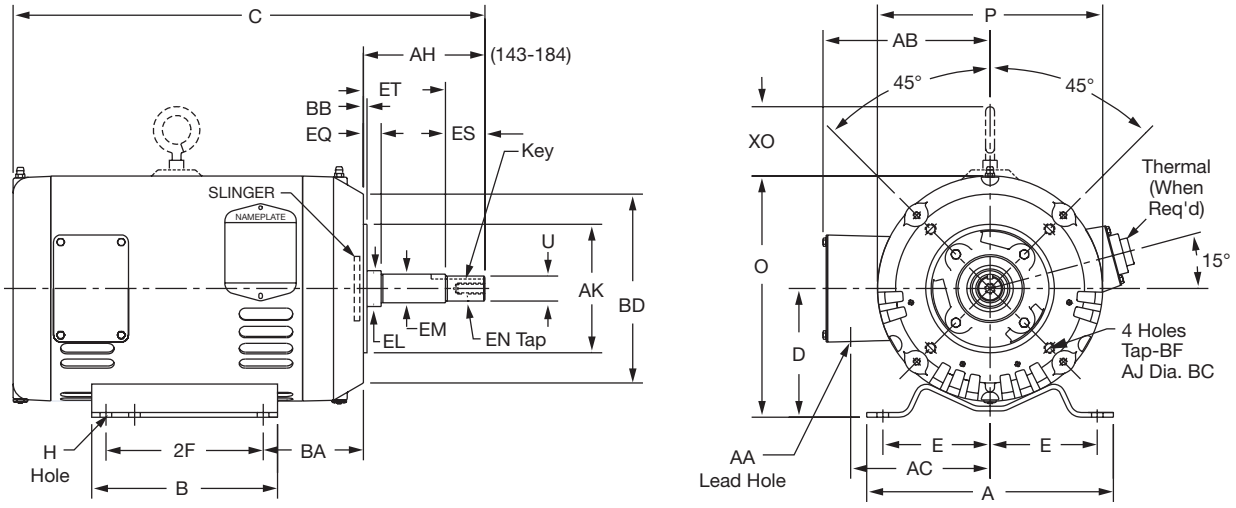
Catalog No. starting with "C" = C-face with base.
Catalog No. starting with "V" = C-face, no base.

NEMA Frame	A	B	D	E	2F	H	N	O	P	U	V	AA	AB	AH	AJ	BF TAP	AK	BA	BB	BD
56 56C	6.50	4.50	3.50	2.44	3.00	0.34	2.44 —	6.81	6.62	0.625	1.88	0.50	5.22	— 2.06	— 5.88	3/8-16	— 4.50	2.75	— 0.12	— 6.50
143T 143TC	6.50	5.94	3.50	2.75	4.00	0.34	2.50 —	6.81	6.62	0.875	2.25	0.50	5.22	— 2.12	— 5.88	3/8-16	— 4.50	2.25 2.75	— 0.12	— 6.50
145T 145TC	6.50	5.94	3.50	2.75	5.00	0.34	2.50 —	6.81	6.62	0.875	2.25	0.50	5.22	— 2.12	— 5.88	3/8-16	— 4.50	2.25 2.75	— 0.12	— 6.50
182T 182TC	8.63	6.50	4.50	3.75	4.50	0.41	3.56 —	8.44	7.88	1.125	2.75	0.75	5.97	— 2.62	— 7.25	1/2-13	— 8.50	2.75 3.50	— 0.25	— 8.89
184T 184TC	8.63	6.50	4.50	3.75	5.50	0.41	3.56 —	8.44	7.88	1.125	2.75	0.75	5.97	— 2.62	— 7.25	1/2-13	— 8.50	2.75 3.50	— 0.25	— 8.89
213T 213TC	9.50	8.00	5.25	4.25	5.50	0.41	3.88 —	10.03	9.56	1.375	3.37	0.75	8.06	— 3.12	— 7.25	1/2-13	— 8.50	3.50 4.50	— 0.25	— 9.04
215T 215TC	9.50	8.00	5.25	4.25	7.00	0.41	3.88 —	10.03	9.56	1.375	3.37	0.75	8.06	— 3.12	— 7.25	1/2-13	— 8.50	3.50 4.50	— 0.25	— 9.04
254TC 256TC	11.25	11.25	6.25	5.00	8.25 10.00	0.53	—	12.00	12.43	1.625	4.00	1.25	9.73	3.75	7.25	1/2-13	8.50	4.75	0.25	9.44

NOTE: Dimension for reference only. Contact a Baldor District Office or www.baldor.com for the detailed dimension drawing for your specific catalog number.

Dimensions

Three Phase - Close-Coupled Pump Motors
Open Drip-Proof - NEMA 143JM through 326JM



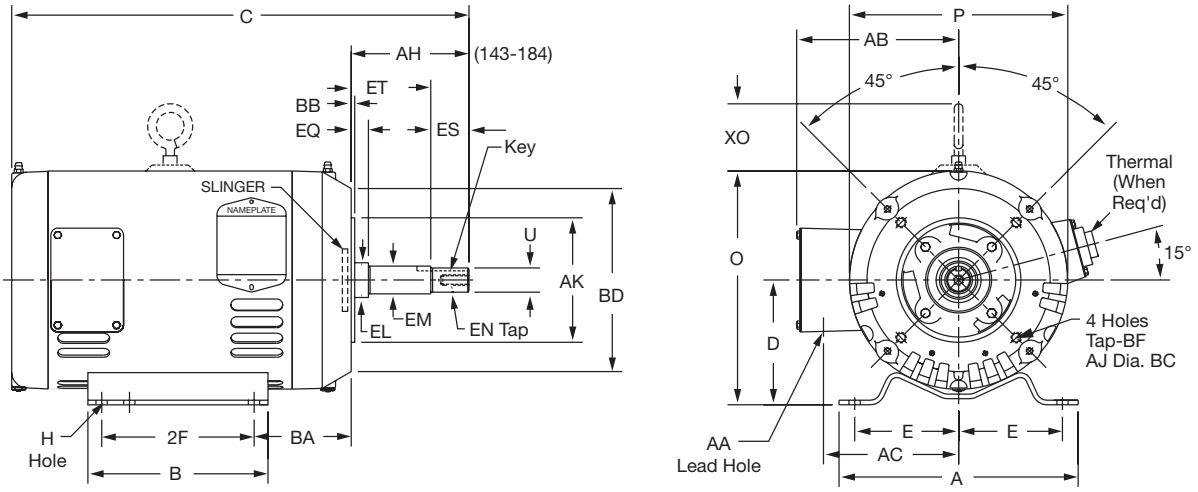
NEMA Frame	A	B	D	E	2F	H	Key	O	P	U	AA	AB	AC	AH	AJ	AK	BB	BD	BF	Tap BA
143JM 145JM	6.50	5.94	3.50	2.75	4.00 5.00	0.34	0.19	6.77	6.62	0.875	0.88	5.61	4.56	4.28	5.88	4.50	0.13	6.51	0.38-16	2.88
182JM 184JM	8.63	6.50	4.50	3.75	4.50 5.50	0.41	0.19	8.44	7.88	0.875	1.09	6.74	5.70	4.25	5.88	4.50	0.13	6.61	0.38-16	3.50
213JM 215JM	9.50	8.00	5.25	4.25	5.50 7.00	0.41	0.188	10.03	9.57	0.875	1.38	7.92	6.72	4.25	7.25	8.50	0.25	9.07	0.50-13	4.25
254JM 256JM	11.25	11.25	6.25	5.00	8.25 10.00	0.53	0.25	12.00	11.50	1.25	1.38	9.49	7.69	5.25	7.25	8.50	0.25	9.45	0.50-13	4.75
284JM 286JM	12.25	12.25	7.00	5.50	9.50 11.00	0.53	0.25	13.63	13.25	1.25	2.00	12.21	9.72	5.25	11.00	12.50	0.25	13.03	0.62-11	4.75
324JM 326JM	14.04	13.50	8.00	6.25	10.50 12.00	0.66	0.25	15.59	15.16	1.375	2.50	13.20	10.71	5.25	11.00	12.50	0.25	13.31	0.62-11	5.25

NOTE: Drawings shown are for reference only. Contact Baldor for a detailed dimensional drawing of the specific motor you require. Drawings may also be available from our CD-ROM or at www.baldor.com.

NEMA Frame	EL	EM	EN	EQ	ES	ET
143JM 145JM	1.56	1.00	0.38-16x0.88	0.64	1.39	2.89
182JM 184JM	1.25	1.00	0.38-16x0.88	0.64	1.39	2.89
213JM 215JM	1.25	1.00	0.38-16x0.88	0.64	1.36	2.89
254JM 256JM	1.75	1.375	0.50-13x1.25	0.625	2.25	3.00
284JM 286JM	1.75	1.375	0.50-13x1.25	0.625	2.25	3.00
324JM 326JM	1.75	1.375	0.50-13x1.25	0.625	2.25	3.00

Dimensions

Three Phase - Close-Coupled Pump Motors
Open Drip-Proof - NEMA 213JP through 326JP



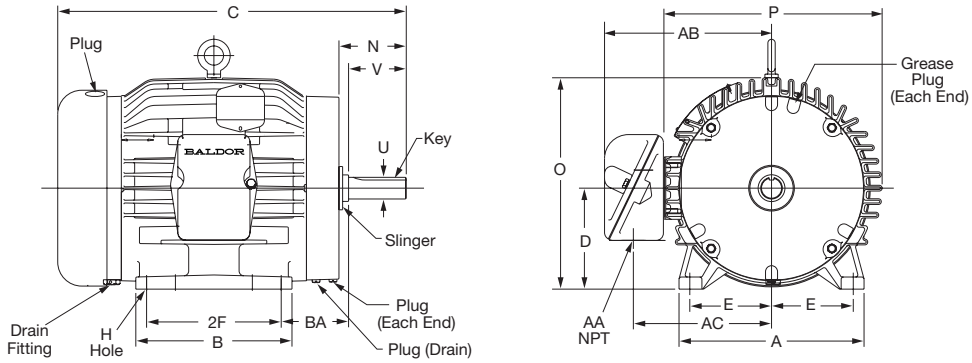
NEMA Frame	A	B	D	E	2F	H	Key	O	P	U	AA	AB	AC	AH	AJ	AK	BB	BD	BF	Tap BA
213JP	9.50	8.00	5.25	4.25	5.50	0.41	0.188	10.03	15.59	0.875	1.38	7.92	6.72	8.125	7.25	8.50	0.25	9.07	0.50-13	4.25
215JP	9.50	8.00	5.25	4.25	7.00	0.41	0.188	10.03	15.59	0.875	1.38	7.92	6.72	8.125	7.25	8.50	0.25	9.07	0.50-13	4.25
254JP	11.25	11.25	6.25	5.00	8.25	0.53	0.25	12.00	15.59	1.25	1.38	9.49	7.69	8.125	7.25	8.50	0.25	9.45	0.50-13	4.75
256JP	11.25	11.25	6.25	5.00	10.00	0.53	0.25	12.00	15.59	1.25	1.38	9.49	7.69	8.125	7.25	8.50	0.25	9.45	0.50-13	4.75
284JP	12.25	12.25	7.00	5.50	9.50	0.53	0.25	13.63	13.25	1.25	2.00	12.21	9.72	8.125	11.00	12.50	0.25	13.03	0.62-11	4.75
286JP	12.25	12.25	7.00	5.50	11.00	0.53	0.25	13.63	13.25	1.25	2.00	12.21	9.72	8.125	11.00	12.50	0.25	13.03	0.62-11	4.75
324JP	14.04	13.50	8.00	6.25	10.50	0.66	0.25	15.59	15.16	1.375	2.50	13.20	10.71	8.125	11.00	12.50	0.25	13.31	0.62-11	5.25
326JP	14.04	13.50	8.00	6.25	12.00	0.66	0.25	15.59	15.16	1.375	2.50	13.20	10.71	8.125	11.00	12.50	0.25	13.31	0.62-11	5.25

NOTE: Drawings shown are for reference only. Contact Baldor for a detailed dimensional drawing of the specific motor you require. Drawings may also be available from our CD-ROM or at www.baldor.com.

NEMA Frame	EL	EM	EN	EQ	ES	ET
213JP	1.75	1.38	0.50-13x1.12	2.375	2.25	5.875
215JP	1.75	1.38	0.50-13x1.12	2.375	2.25	5.875
254JP	1.75	1.38	0.50-13x1.12	2.375	2.25	5.875
256JP	1.75	1.38	0.50-13x1.12	2.375	2.25	5.875
284JP	1.75	1.38	0.50-13x1.12	2.375	2.25	5.875
286JP	1.75	1.38	0.50-13x1.12	2.375	2.25	5.875
324JP	1.75	1.38	0.50-13x1.12	2.375	2.25	5.875
326JP	1.75	1.38	0.50-13x1.12	2.375	2.25	5.875

Dimensions

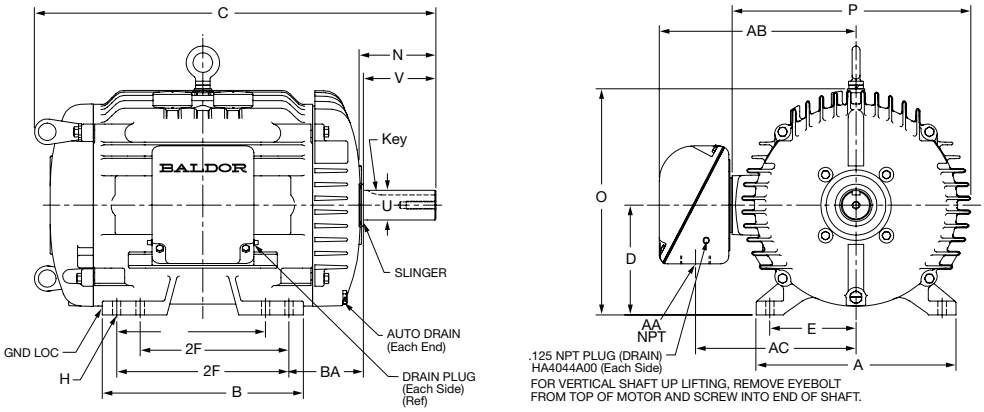
Three Phase Motors - Cast Iron Construction - Automotive Approved
Totally Enclosed Fan-Cooled - NEMA 182 through 445U



NEMA Frame	A	B	D	E	2F	H	Key	N	O	P	U	V	AA	AB	AC	BA
182 184	8.62	6.50	4.50	3.75	4.50 5.50	0.41	0.188	2.37	9.23	10.12	0.875	2.25	0.75	7.12	5.75	2.75
213 215	9.62	8.12	5.25	4.25	5.50 7.00	0.41	0.25	3.50	10.99	11.25	1.125	3.00	1.00	9.20	7.38	3.50
254U 256U	11.50	11.50	6.25	5.00	8.25 10.00	0.53	0.312	4.07	12.88	12.94	1.375	3.75	1.25	10.11	8.27	4.25
284U 286U	12.75	12.84	7.00	5.50	9.50 11.00	0.53	0.38	5.19	14.66	15.57	1.625	4.88	1.50	12.58	10.25	4.75
324U 326U	14.50	14.00	8.00	6.25	10.50 12.00	0.66	0.50	6.00	16.25	17.85	1.875	5.63	2.00	14.05	11.72	5.25
384U 386U	16.50	14.50	9.00	7.00	11.25 12.25	0.66	0.50	6.67	18.38	19.25	2.125	6.38	2.00	14.41	12.06	5.88
404U 405U	18.88	16.63	10.00	8.00	12.25 13.75	0.81	0.62	7.48	20.31	21.44	2.375	7.12	3.00	18.84	15.15	6.62
444U 445U	21.75	20.25	11.00	9.00	14.50 16.50	0.81	0.75	9.06	22.93	24.56	2.875	8.62	2.50	20.58	16.03	7.50

NOTE: Drawings shown are for reference only. Contact Baldor for a detailed dimensional drawing of the specific motor you require. Drawings may also be available from our CD-ROM or at www.baldor.com.

Three Phase Motors - Cast Iron Construction - Chiller/Cooling Tower
Totally Enclosed Air Over - NEMA 182 through 445U

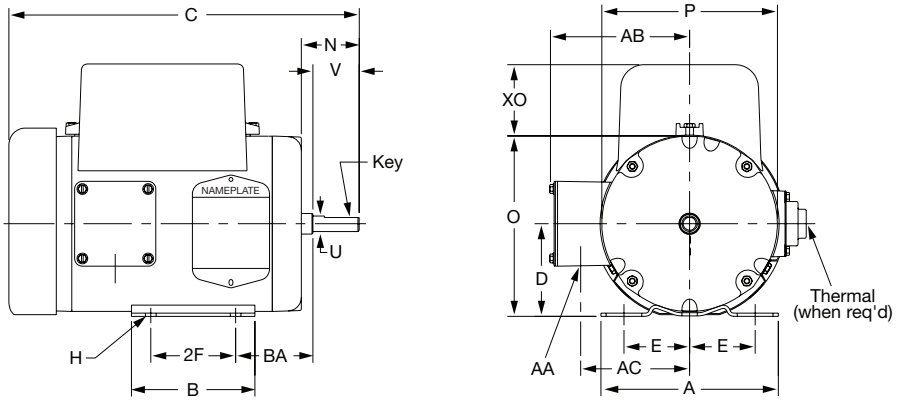


Frame Size	A	B	D	E	2F	H	Key	N	O	P	U	V	XP Terminal Box			
													AA	AB	AC	BA
182T 184T	8.62	6.5	4.5	3.75	4.5 5.5	0.41	0.25	2.81	9.23	9.46	1.125	2.75	0.75	7.12	5.75	2.75
213T 215T	9.62	8.12	5.25	4.25	5.5 7.0	0.41	0.31	3.88	10.99	11.5	1.375	3.38	1	9.22	7.43	3.5
254T 256T	11.5	11.5	6.25	5	8.25 10	0.53	0.38	4.32	12.88	12.94	1.625	4	1.25	10.1	8.32	4.25
284T 286T	12.76	12.84	7	5.5	9.5 11	0.53	0.5	4.91	14.44	15.24	1.875	4.63	1.5	12.56	10.25	4.75
324T 326T	14.5	14	8	6.25	10.5 12	0.66	0.5	5.63	16.25	17.65	2.125	5.25	2	14	11.75	5.25
364T 365T	16.5	14.5	9	7	11.25 12.25	0.66	0.625	6.12	18.38	18.86	2.375	5.88	2.5	14.4	12.09	5.88
404T 405T	18.88	16.63	10	8	12.25 13.75	0.81	0.75	7.62	20.31	21.17	2.875	7.25	3	18.01	14.53	6.62

NOTE: Drawings shown are for reference only. Contact Baldor for a detailed dimensional drawing of the specific motor you require. Drawings may also be available from our CD-ROM or at www.baldor.com.

Dimensions

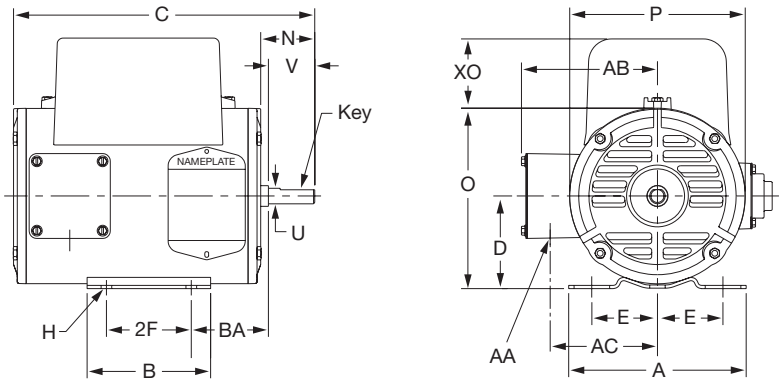
Single Phase Motors - Totally Enclosed Fan-Cooled, NEMA 48 through 184T



NEMA Frame	A	B	D	E	2F	H	Key	N	O	P	U	V	AA	AB	AC	BA	XO
48	5.75	4.00	3.00	2.13	2.75	0.34 Slot	Flat 0.047 Deep 1.12 Long	1.87	5.85	5.69	0.50	1.50	0.88	5.18	3.60	2.50	2.31 1.56
56 400 Typ	6.50	4.00	3.50	2.44	3.00	0.34 Slot	0.19	2.50	6.36	5.69	0.625	1.88	0.88	4.90	3.53	2.75	1.56 2.31
56 56H	6.50	4.50 6.50	3.50	2.44	3.00 5.00	0.34 Slot	0.19	2.47 2.12	6.81	6.62	0.625	1.88	0.88	5.73	4.62	2.75	2.24
143T 145T	6.50	5.94	3.50	2.75	4.00 5.00	0.34	0.19	2.50	6.81	6.62	0.875	2.25	0.88	5.73	4.62	2.25	2.25
182T 184T	8.63	6.50	4.50	3.75	4.50 5.50	0.41	0.25	3.56	8.44	7.88	1.125	2.75	1.09	6.87	5.76	2.75	2.69

NOTE: Drawings shown are for reference only. Contact Baldor for a detailed dimensional drawing of the specific motor you require. Drawings may also be available from our CD-ROM or at www.baldor.com.

Single Phase Motors - Open Drip-Proof, NEMA 48 through 184T

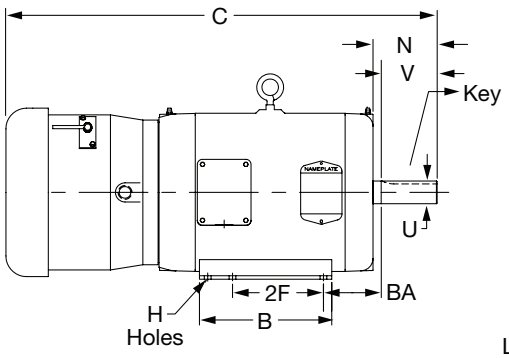


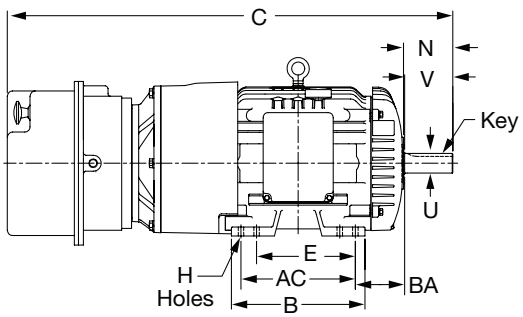
NEMA Frame	A	B	D	E	2F	H	Key	N	O	P	U	V	AA	AB	AC	BA	XO
48	5.75	4.00	3.00	2.12	2.75	0.34 Slot	Flat 0.047 Deep 1.12 Long	1.75	5.85	5.69	0.50	1.50	0.88	5.06	3.54	2.50	1.50 2.25
56 400 Typ	6.56	4.00	3.50	2.44	3.00	0.34 Slot	0.19	2.13	6.34	5.69	0.625	1.88	0.88	5.06	3.54	2.75	1.50 2.25
56 56H	6.50	4.50 6.50	3.50	2.44	3.00 5.00	0.34 Slot	0.19	2.44 2.13	6.81	6.62	0.625	1.88	0.88	5.62	4.56	2.75	2.18
143T 145T	6.50	5.94	3.50	2.75	4.00 5.00	0.34	0.19	2.50	6.81	6.62	0.875	2.25	0.88	5.73	4.62	2.25	2.18
182T 184T	8.63	6.50	4.50	3.75	4.50 5.50	0.41	0.25	3.56	8.44	7.88	1.125	2.75	1.09	6.75	5.76	2.75	2.24 2.63

NOTE: Drawings shown are for reference only. Contact Baldor for a detailed dimensional drawing of the specific motor you require. Drawings may also be available from our CD-ROM or at www.baldor.com.

Dimensions

Brake Motors

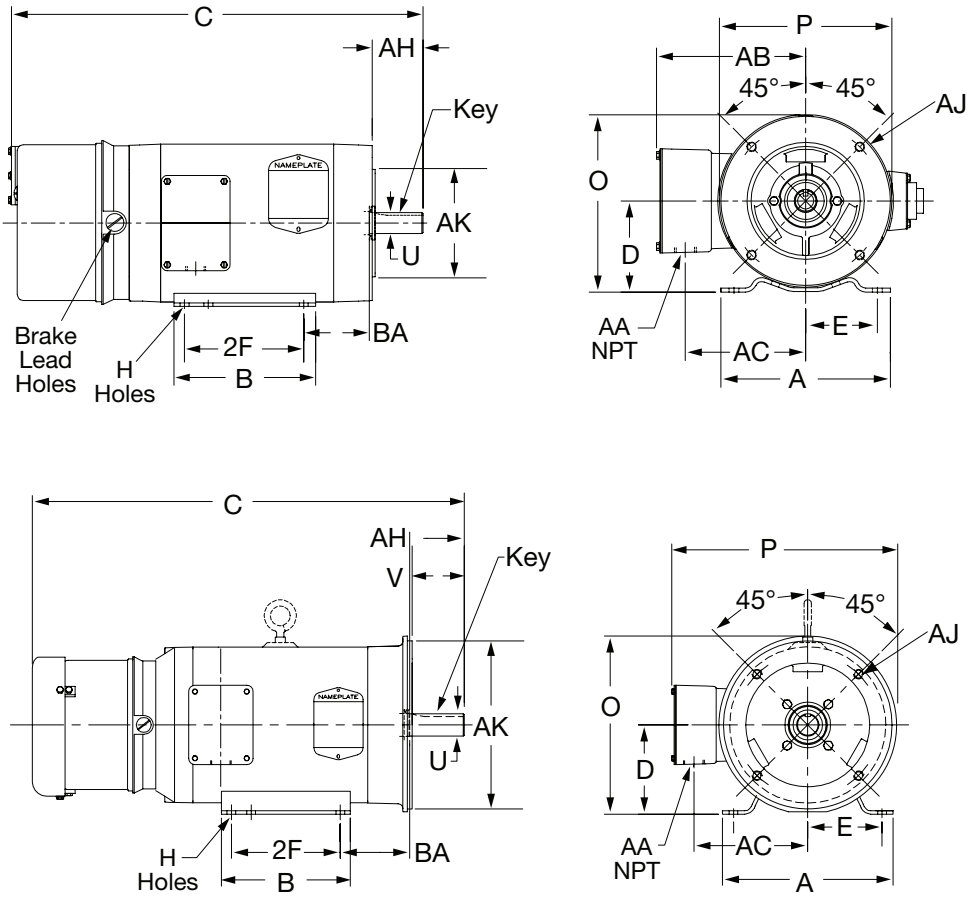




	NEMA Frame	A	B	D	E	2F	H	Key	N	O	P	U	V	AA	AB	AC	BA
Steel Band Construction																	
EBM TENV	56	6.50	4.50	3.50	2.44	3.00	0.34 Slot	0.19	2.44	6.81	6.63	0.625	1.88	0.88	5.75	4.62	2.75
EBM TEFC	143T 145T	6.50	5.94	3.50	2.75	4.00 5.00	0.34	0.19	2.50	6.81	6.62	0.875	2.25	0.88	5.22	4.18	2.75
EBM TEFC	182T 184T	8.63	6.50	4.50	3.75	4.50 5.50	0.41	0.25	3.56	8.44	7.89	1.125	2.75	1.09	5.97	4.94	2.75
EBM TEFC	213T 215T	9.50	8.00	5.25	4.25	5.50 7.00	0.41	0.31	3.88	10.03	9.56	1.375	3.38	1.09	8.05	6.79	3.50
Cast Iron																	
EBM TEFC	254T 256T	11.50	11.50	6.25	5.00	8.25 10.00	0.53	.038	4.32	12.88	12.94	1.625	4.00	1.38	9.49	7.99	4.25
EBM TEFC	284T 286T	12.75	12.84	7.00	5.50	9.50 11.00	0.53	0.5	4.75	14.44	15.72	1.875	4.63	2.00	13.11	10.56	4.75

Dimensions

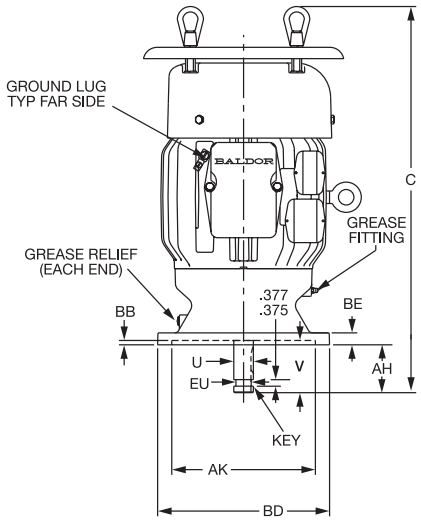
Washdown Brake Motors

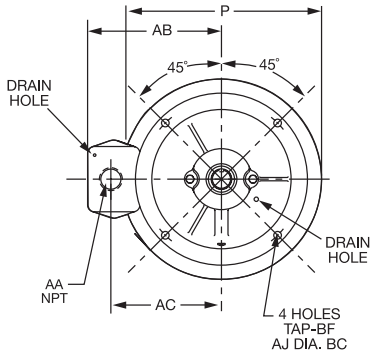


	NEMA Frame	A	B	D	E	2F	H	Key	O	P	U	V	AA	AB	AC	AH	AJ	AK	BB	Tap BF	BA
CEWDBM TENV	56C	6.50	4.50	3.50	2.44	3.00	0.34 Slot	0.19	6.75	6.63	0.625	1.88	0.50 NPT	5.74	4.62	2.06	5.88	4.50	0.12	0.38-16	2.75
CEWDBM TENV	143TC 145TC	6.50	5.94	3.50	2.75	4.00 5.00	0.34	0.19	6.81	6.62	0.875	2.13	0.50 NPT	5.73	4.62	2.13	5.88	4.50	0.12	0.38-16	2.75
CEWDBM TEFC	143TC 145TC	6.50	5.94	3.50	2.75	4.00 5.00	0.34	0.19	6.81	6.69	0.875	2.13	0.50 NPT	5.73	4.62	2.12	5.88	4.50	0.12	0.38-16	2.75
CEWDBM TEFC	182TC 184TC	8.63	6.50	4.50	3.75	4.50 5.50	0.41	0.25	8.99	7.89	1.125	2.75	0.75 NPT	5.88	5.75	2.62	7.25	8.50	0.25	0.50-13	3.50

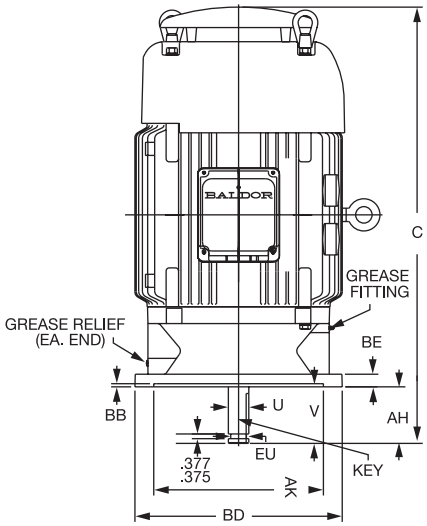
Dimensions

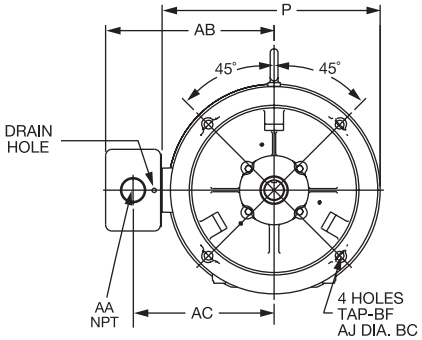
P-Base Vertical Solid Shaft Pump - Cast Iron Construction Motors
Totally Enclosed Fan Cooled - NEMA 182LP-365VP
LP Style (Medium Thrust)





VP Style (High Thrust)



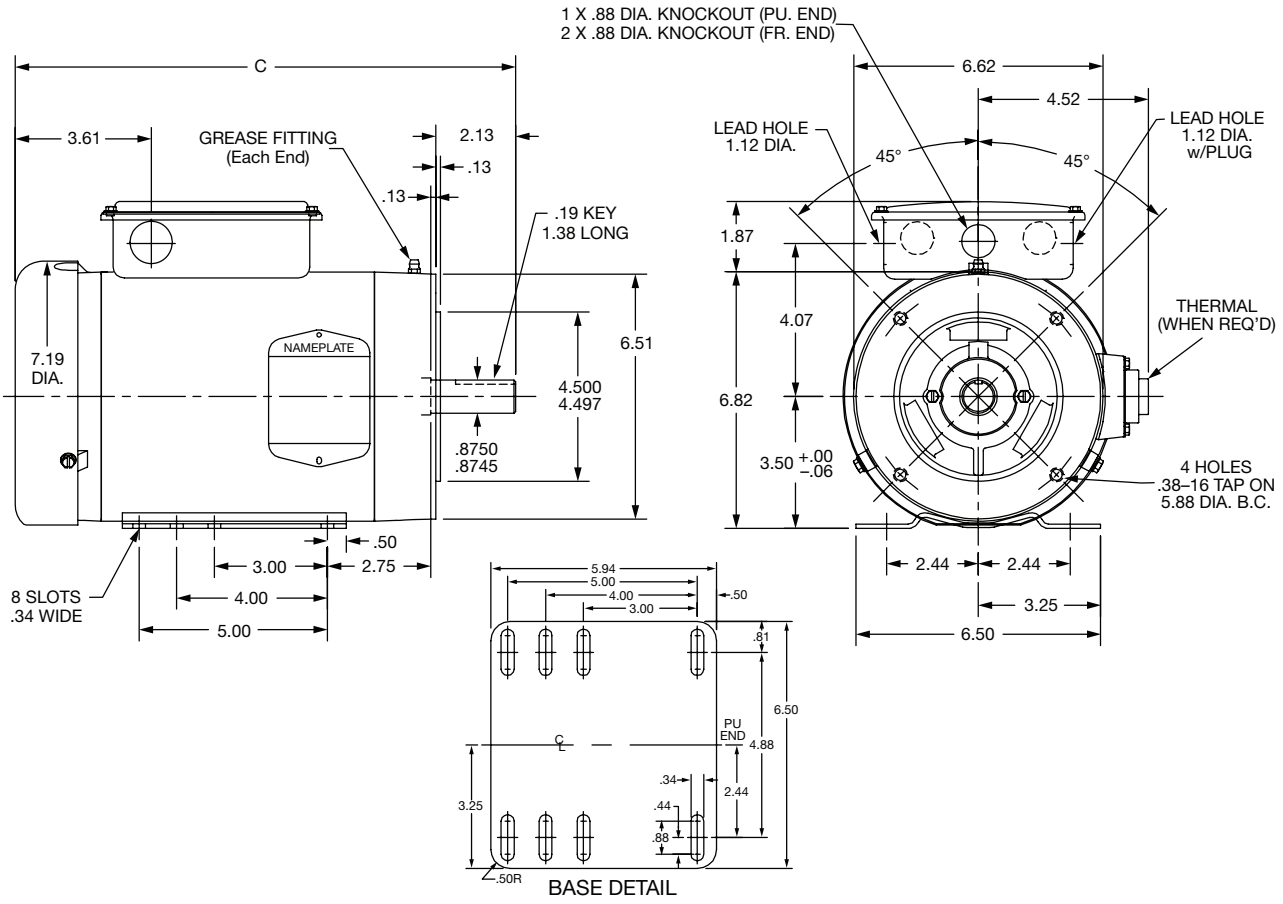


NEMA Frame	Key	P	R*	S*	U	V Min	AA	AB	AC	AH	AJ	AK	BB	BD	BE	Tap BF	EU
182LP 184LP	0.25	11.50	0.984	0.25	1.125	3.00	1.00 NPT	7.69	6.35	2.75	9.12	8.25	0.25	9.88	0.68	0.44	0.875
213LP 215LP	0.38	12.13	1.406	0.375	1.625	3.00	1.50 NPT	8.68	7.11	2.75	9.12	8.25	0.25	9.88	0.69	0.44	1.25
254LP 256LP	0.38	12.94	1.406	0.375	1.625	3.00	1.50 NPT	9.50	8.07	2.75	9.12	8.25	0.25	9.87	0.69	0.44	1.25
284LP 286LP	0.50	15.32	1.843	0.50	2.125	4.00	2.00 NPT	12.34	10.16	4.50	9.12	8.25	0.25	9.87	0.69	0.44	1.75
324LP 326LP	0.50	17.35	1.843	0.50	2.125	4.00	2.00 NPT	13.41	11.22	4.50	14.75	13.50	0.25	16.50	1.00	0.69	1.75
324VP 326VP	0.375	17.35	1.406	0.375	1.625	4.75	2.00 NPT	13.41	11.22	4.50	14.75	13.50	0.25	16.49	1.00	0.69	1.25
364VP 365VP	0.38	19.25	1.406	0.375	1.625	4.75	2.00 NPT	14.37	12.13	4.50	14.75	13.50	0.25	16.49	1.00	0.69	1.25

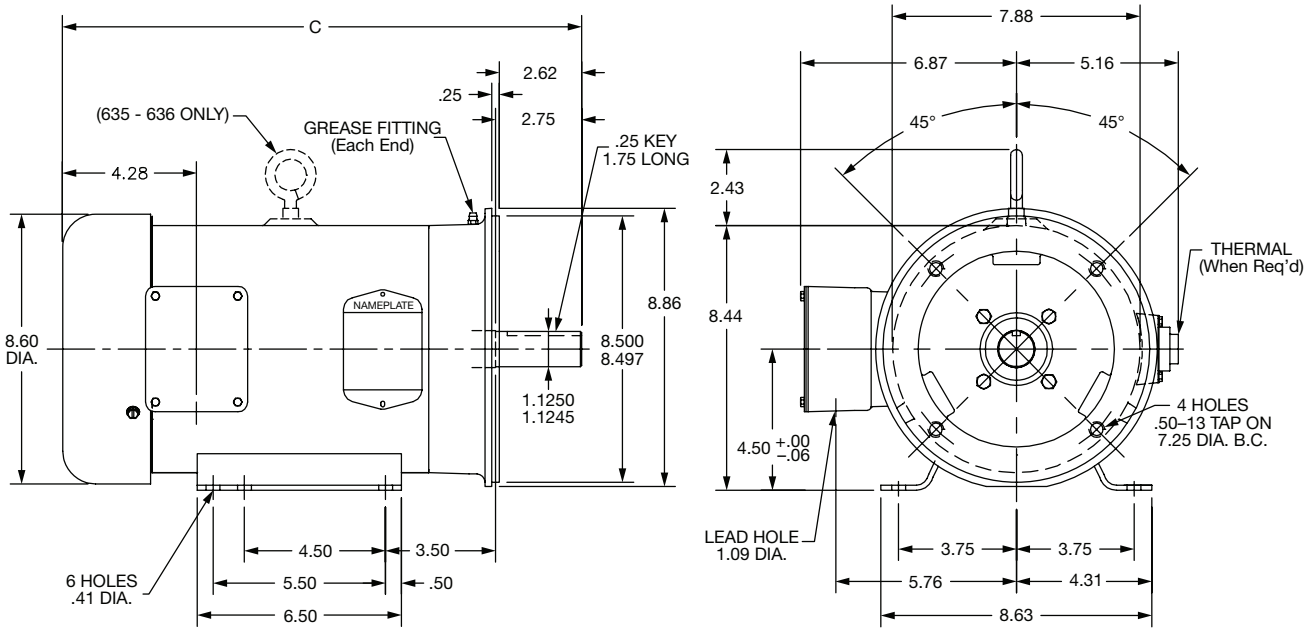
NOTES: * Please refer to Keyway Detail at the end of the AC section. Drawings shown are for reference only.
Please contact Baldor for a detailed dimensional drawing of the specific motor you require. Drawings may also be available from our website at www.baldor.com.

Dimensions

Super-E® Unit Handling Motors 140TYC

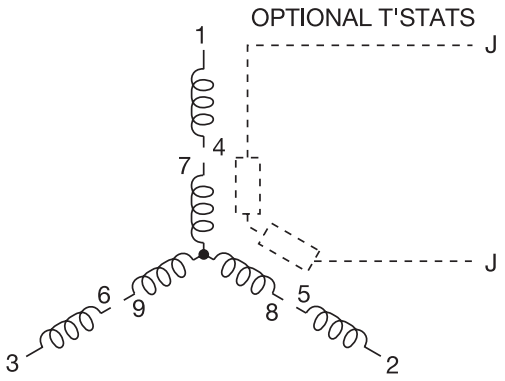


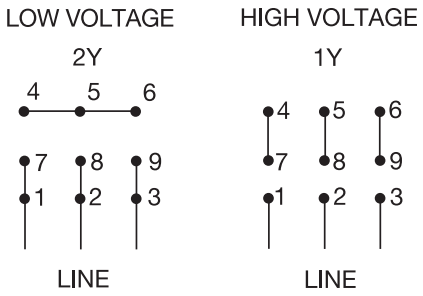
Super-E® Unit Handling Motors 180TC



Connection Diagrams

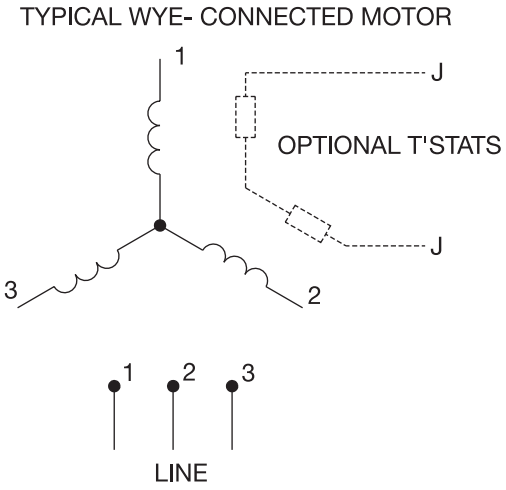
CD0005 and 416820-1

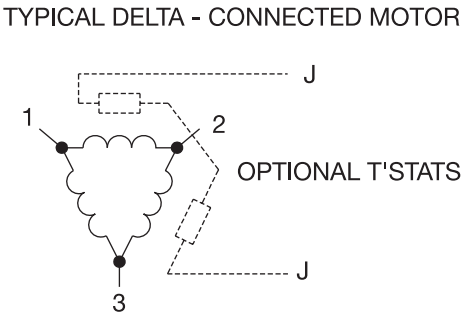




Notes:
1. Interchange any two line leads to reverse rotation.
2. Optional thermostats are provided when specified.
3. Actual number of internal parallel circuits may vary.
4. Lead colors are optional. Leads must be numbered as shown.

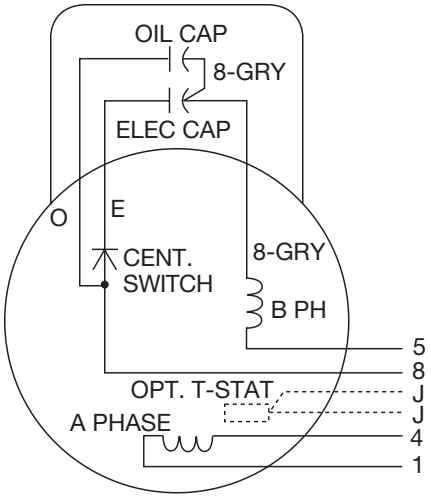
CD0006, 416820-24 and 416820-25





Notes:
1. Three lead motors may be designed as either wye-connected or delta-connected.
2. Interchange any two line leads to reverse rotation.
3. Optional thermostats are provided when specified.
4. Actual number of internal parallel circuits may vary.
5. Lead colors are optional. Leads must be numbered as shown.

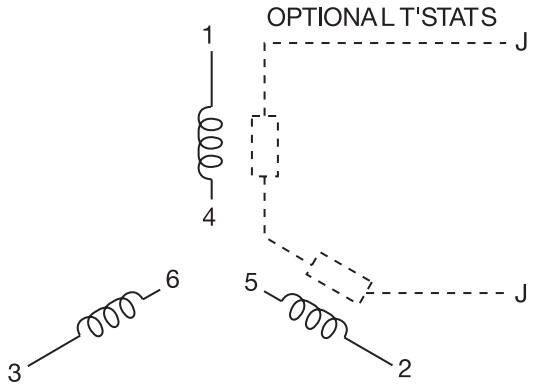
CD0017A02

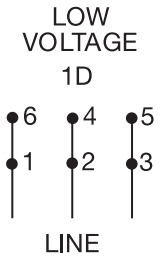


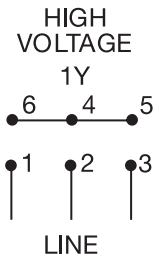
	LINE A	LINE B
STD	1,8	4,5
OPP	1,5	4,8

Connection Diagrams

CD0022 and 416820-4

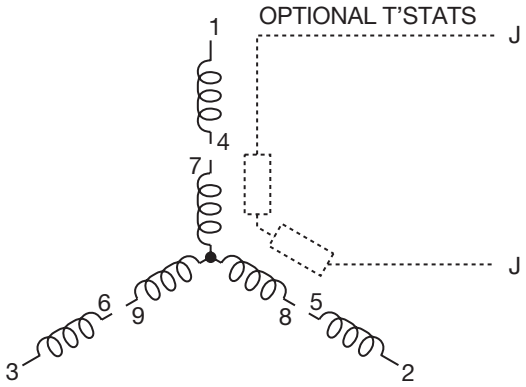


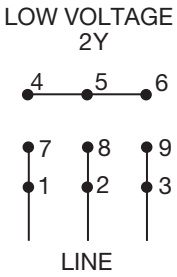


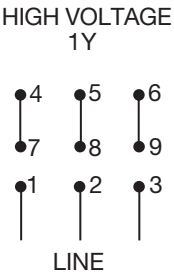


Notes:
1. Interchange any two line leads to reverse rotation.
2. Optional thermostats are provided when specified.
3. Actual number of internal parallel circuits may vary.
4. Lead colors are optional. Leads must be numbered as shown.

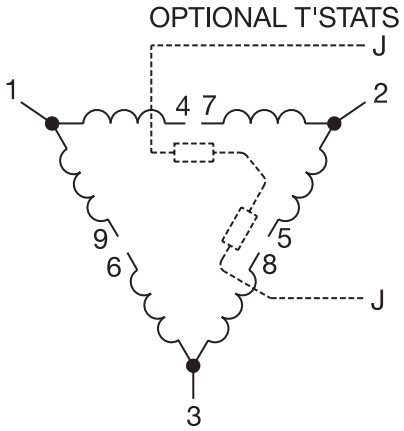
CD0055

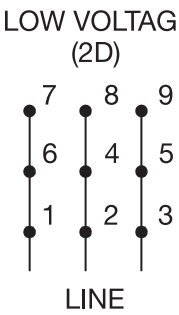


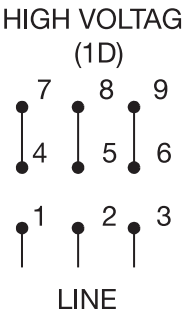




CD0180 and 416820-2



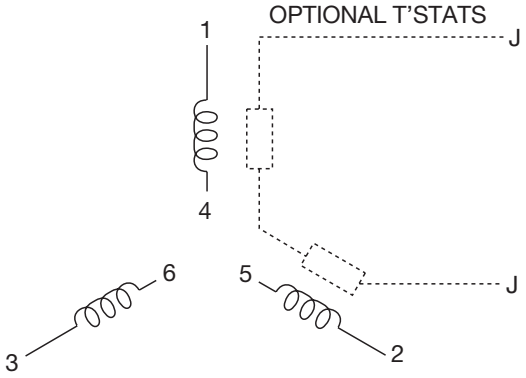


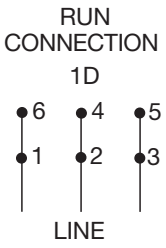


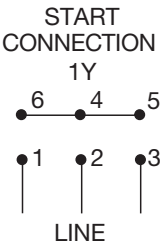
Notes:
1. Three lead motors may be designed as either wye-connected or delta-connected.
2. Interchange any two line leads to reverse rotation.
3. Optional thermostats are provided when specified.
4. Actual number of internal parallel circuits may vary.
5. Lead colors are optional. Leads must be numbered as shown.

Connection Diagrams

CD0382

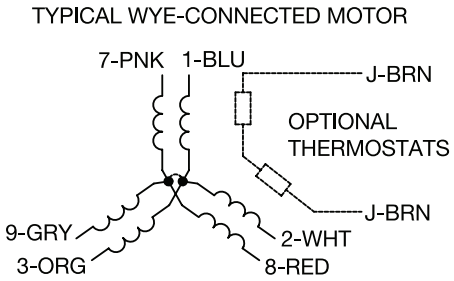


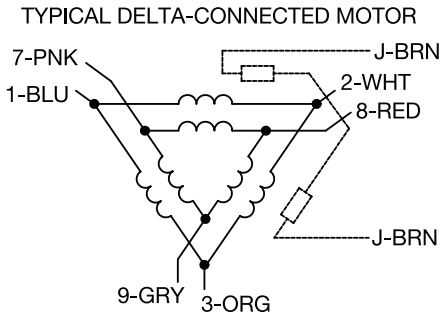


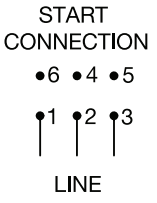


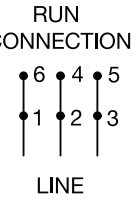
Notes:
1. Interchange any two line leads to reverse rotation.
2. Optional thermostats are provided when specified.
3. Actual number of internal parallel circuits may vary.
4. Lead colors are optional. Leads must be numbered as shown.
5. For Across-The-Line starting, use "RUN" connection

CD0695









Notes:
1. Motor may be wye-connected or delta-connected.
2. Interchange any two line leads to reverse rotation.
3. Optional thermostats are provided when specified.
4. Actual number of internal parallel circuits may vary.
5. Lead colors are optional. Leads must be numbered as shown.

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