

**BALDOR • RELIANCE**

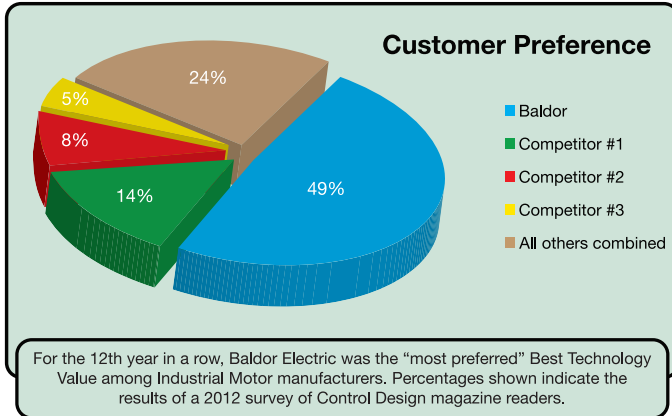


**Super-E<sup>®</sup> Premium  
Efficient Motors**



**BALDOR**  
A MEMBER OF THE ABB GROUP

## 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<sup>®</sup> premium-efficient motors ranges from 1 through 15,000 Hp. Baldor's Super-E<sup>®</sup> line offers customers the highest overall efficiency levels in the industry.



**Baldor products are available at more locations than any other brand.**

Our 36 district offices across North America and hundreds of ABB 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](http://www.baldor.com), or you may talk to a Baldor customer service person at one of our sales offices.

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## 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 (EPA) 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 EPA 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 The Energy Independence & Security Act of 2007 (EISA) in the U.S., NRC in Canada, and IEC 60034-30 IE3 level in Europe. Super-E motors meet or exceed NEMA Premium® efficiencies.

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.



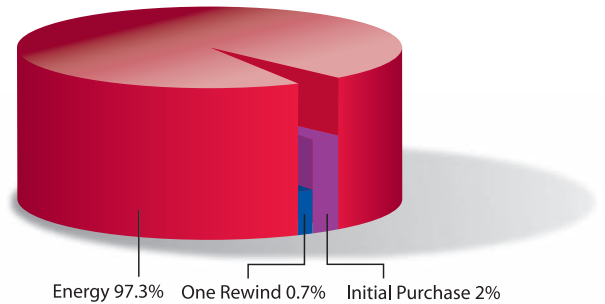
## Making Energy Efficiency Work For You

### 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

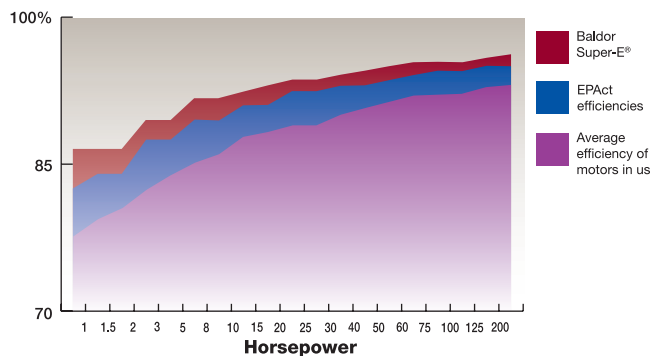
Baldor's line of Super-E motors offers customers the highest level of overall efficiencies available from any motor manufacturer, meeting or exceeding NEMA Premium® efficiency.

### BEST™ Baldor Energy Savings Tool Makes Calculating Payback Easy

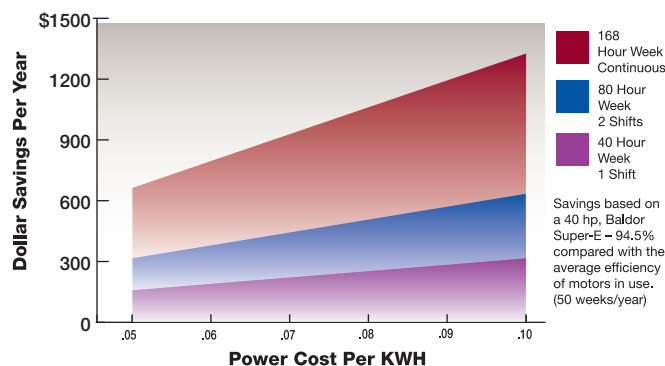
In order to make payback calculations easier for customers, Baldor developed BEST, Baldor Energy Savings Tool. The software helps calculate energy cost and energy savings for motors, as well as payback time frames. A popular feature of BEST is that it allows users to make head-to-head comparisons of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

BEST, Baldor Energy Savings Tool is available as a download through Baldor's award-winning Web site ([www.baldor.com/support/software\\_BEST.asp](http://www.baldor.com/support/software_BEST.asp)), as well as a stand-alone CD-ROM, available from your Baldor District Office.

### Electric Motor Efficiency Ratings



### 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.

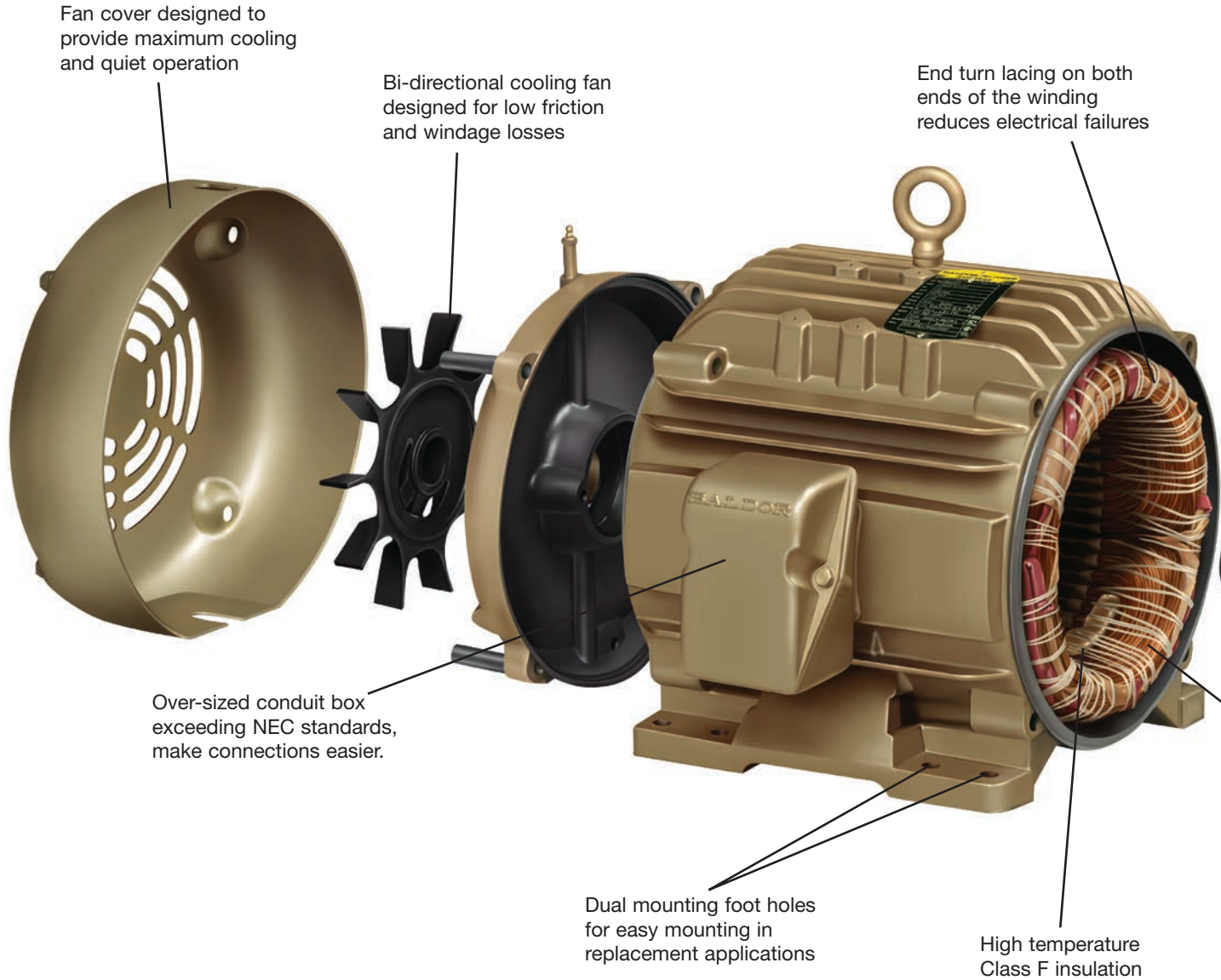
The chart below lists standard features (“S”) in Baldor’s TEFC Premium Efficient motors. Horsepower ranges indicate where certain features are standard in stock products. Additional features optional (“O”) on custom motors, or through Baldor’s Mod-Express.

### TEFC Premium Efficiency Motor Family

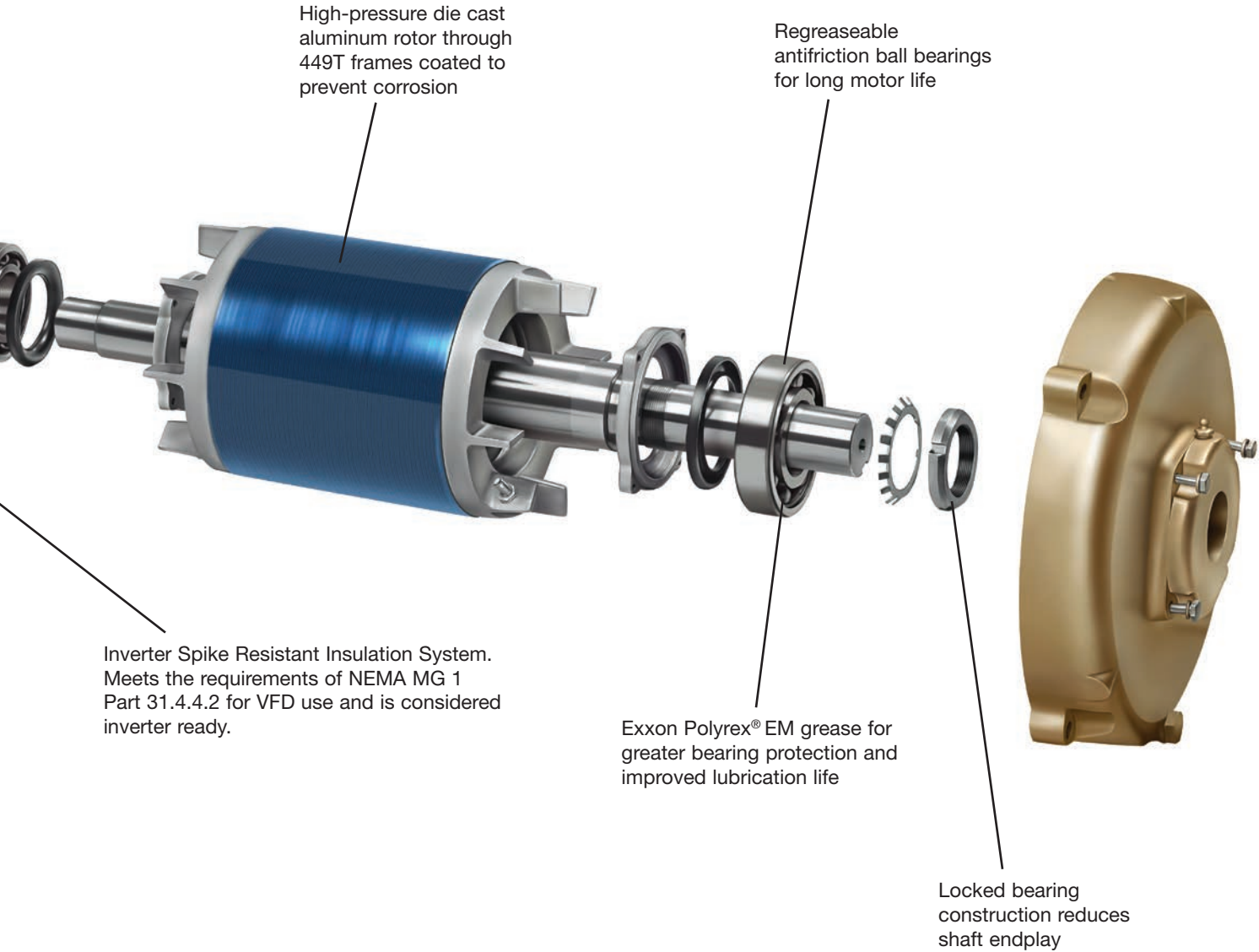
Electrical Features	EM / XE	ECP/XEX	841XL
Hp Range - Stock	1-1000	1-1000	1-250
Class F insulation with Class B rise	S	S	S
1.15 Service factor	S	S	S
200°C Inverter Spike Resistant insulation system	S	S	S
Phase insulation	S	S	S
Corona inception testing - meets NEMA Part 31.4.4.2	S	S	S
Varnish dip & bake 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 and grease fitting		S	S
Grease outlet with screw-in plug	S		
Grease outlet with automatic relief fitting	S 250T - up		
Grease outlet and 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 blue-green 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



All Baldor•Reliance Super-E® motors meet or exceed NEMA Premium® efficiency requirements per NEMA MG 1 table 12-12.



# 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](http://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



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, 460 & 575 Volts, Three Phase, 1/2 - 200 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps @ High V		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		Volt Code	"C" Dim.	Conn. Diag. No.	Notes
					Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE				
<b>230/460 &amp; 460 Volts</b>																			
1/2	0.37	1735	56	EM3538	0.8	5.6	1.5	80.3	82.5	82.5	52	64	74	6205	6203	E1	12.23	CD0005	-
1	0.75	3450	56	EM3545	1.4	9	1.5	67.8	73.1	77	74	2	87	6205	6203	F	12.25	CD0005	-
1	0.75	1760	56	EM3546	1.5	12.1	3	82.1	84.8	85.5	49	62	71	6205	6203	E	12.23	CD0005	-
1	0.75	1760	143T	EM3546T	1.5	12.1	3	82.1	84.8	85.5	49	62	71	6205	6203	E	12.31	CD0005	-
1	0.75	1760	143T	EM3581T	1.5	12.1	3	82.1	84.8	85.5	49	62	71	6205	6203	E	12.53	CD0005	-
1	0.75	1155	56	EM3556	1.8	10.8	4.5	79.4	82.3	82.5	43	55	64	6205	6203	E	13.23	CD0005	-
1	0.75	1155	145T	EM3556T	1.8	10.8	4.5	79.4	82.3	82.5	43	55	64	6205	6203	E	13.31	CD0005	-
1	0.75	1155	145T	EM3582T	1.7	10.2	4.5	81.3	83.5	82.5	44	56	65	6205	6203	E	12.53	CD0005	-
1 1/2	1.1	3500	56	EM3550	1.9	17.9	2.2	82.2	84.4	84	67	79	85	6205	6203	E	12.25	CD0005	-
1 1/2	1.1	3500	143T	EM3550T	1.9	17.9	2.2	82.2	84.4	84	67	79	85	6205	6203	E	12.29	CD0005	-
1 1/2	1.1	3500	143T	EM3583T	1.9	17.9	2.2	82	84.6	84	67	79	85	6205	6203	E	12.53	CD0005	-
1 1/2	1.1	1760	56	EM3554	2.2	13.3	4.5	84.5	86.8	86.5	51	65	73	6205	6203	E	13.23	CD0005	-
1 1/2	1.1	1760	145T	EM3554T	2.2	18.3	4.5	84.5	86.8	86.5	51	65	73	6205	6203	E	13.31	CD0005	-
1 1/2	1.1	1765	145T	EM3584T	2.3	20.7	4.5	83.8	86.4	86.5	49	62	71	6205	6203	E	12.53	CD0005	-
1 1/2	1.1	1170	182T	EM3607T	2.6	14.7	6.8	86	88.3	87.5	42	53	62	6206	6205	E	16.55	CD0005	-
1 1/2	1.1	1170	182T	EM3667T	2.5	16.2	6.8	84.8	86.9	87.5	44	56	64	6206	6205	E	15.24	CD0005	-
2	1.5	3490	56	EM3555	2.5	25.9	3	83.5	85.9	85.5	75	84	88	6205	6203	E	13.25	CD0005	-
2	1.5	3490	145T	EM3555T	2.5	25.9	3	83.5	85.9	85.5	75	84	88	6205	6203	E	13.31	CD0005	-
2	1.5	3490	145T	EM3586T	2.5	25.9	3	83.5	85.9	85.5	75	84	88	6205	6203	E	12.55	CD0005	-
2	1.5	1755	56	EM3558	2.9	24.3	6	84.2	86.4	86.5	51	64	73	6205	6203	E	14.1	CD0005	-
2	1.5	1755	145T	EM3558T	2.9	24.3	6	84.2	86.4	86.5	51	64	73	6205	6203	E	14.19	CD0005	-
2	1.5	1750	145T	EM3587T	2.9	25	6	85.1	87.1	86.5	53	66	75	6205	6203	E	12.53	CD0005	-
2	1.5	1170	184T	EM3614T	3.5	20.9	9	86.7	88.6	88.5	41	53	60	6206	6205	E	18.05	CD0005	-
2	1.5	1165	184T	EM3664T	3.2	20.9	9	86.9	88.5	88.5	48	60	68	6206	6205	F	15.24	CD0005	-
3	2.2	3450	145T	EM3559T	3.6	33	4.5	87.9	88.2	86.5	81	88	92	6205	6203	E	14.19	CD0005	-
3	2.2	3450	182T	EM3610T	3.7	33.3	4.7	86.2	87.3	86.5	82	88	91	6206	6205	E1	15.18	CD0005	-
3	2.2	3460	182T	EM3660T	3.8	30.9	4.7	86.5	87.4	86.5	76	84	88	6206	6205	E	15.24	CD0005	-
3	2.2	1760	182T	EM3611T	4.2	32	8.9	87.8	89.5	89.5	54	68	75	6206	6205	E	16.55	CD0005	-
3	2.2	1755	182T	EM3661T	4.1	29.8	9.1	88.9	90.1	89.5	58	70	77	6206	6205	E	15.24	CD0005	-
3	2.2	1160	213T	EM3704T	4.6	34.4	13.4	87.7	89.4	89.5	49	61	68	6307	6206	E1	19.02	CD0005	-
3	2.2	1165	213T	EM3764T	4.5	33.2	13.6	88.1	89.5	89.5	53	64	71	6307	6206	E	18.45	CD0005	-
5	3.7	3450	184T	EM3613T	5.9	57.2	7.7	88.9	89.4	88.5	81	88	91	6206	6205	E1	16.55	CD0005	-
5	3.7	3475	184T	EM3663T	6.3	51.7	7.5	87.8	89	88.5	64	77	84	6206	6205	E	15.24	CD0005	-
5	3.7	1750	184T	EM3615T	6.7	49.1	14.9	89.7	90.3	89.5	60	72	78	6206	6205	E	18.05	CD0005	-
5	3.7	1750	184T	EM3665T	6.6	45.5	15	89.8	90.3	89.5	63	73	79	6206	6205	E	15.24	CD0005	-
5	3.7	1160	215T	EM3708T	7.3	51.6	22.7	89.8	90.4	89.5	55	66	73	6307	6206	E	19.77	CD0005	-
5	3.7	1160	215T	EM3768T	7.4	50.6	22.5	89.9	90.3	89.5	54	65	71	6307	6206	E	18.45	CD0005	-

**NOTE:** Volt Code: E = 208-230/460V, 60Hz; E1 = 230/460V, 60Hz, usable at 208V; F = 230/460V, 60 Hz  
See page 68 for Layout drawing. See page 93 for Connection Diagrams.  
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Shaded ratings are cast iron frames.





# TEFC Super-E® Premium Efficient Motors



**TEFC - Totally Enclosed Fan Cooled**  
**Foot Mounted, 230/460, 460 & 575 Volts, Three Phase, 1/2 - 200 Hp**

Hp	kW	RPM	Frame	Catalog No.	Amps @ High V		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		Volt Code	"C" Dim.	Conn. Diag. No.	Notes
					Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE				
<b>575 Volts (continued)</b>																			
10	7.5	3490	215T	EM3711T-5	9.5	62.6	15	91.1	91.4	90.2	74	84	87	6307	6206	H	17.89	CD0006	-
10	7.5	1770	215T	EM3714T-5	9.6	83.9	29.5	92	92.7	91.7	65	78	85	6307	6206	H	20.52	CD0006	-
10	7.5	1760	215T	EM3774T-5	9.8	66.3	29.8	92.1	92.7	91.7	70	79	83	6307	6206	H	18.45	CD0006	-
15	11	3500	215T	EM3713T-5	13.6	125	22.2	93.2	93	91	83	90	91	6307	6206	H	20.52	CD0006	-
15	11	3525	254T	EM2394T-5	14.1	91.8	22.1	90.8	91.8	91	75	83	86	6309	6208	H	23.16	CD0006	-
15	11	1765	254T	EM2333T-5	14.8	99	44.5	91.3	92.5	92.4	67	78	82	6309	6208	H	23.16	CD0006	-
20	15	3510	256T	EM4106T-5	18.2	120	29.9	92.4	92.1	91	81	87	90	6309	6208	H	23.16	CD0006	-
20	15	1765	256T	EM2334T-5	19.2	140	59	92.8	93.1	93	69	80	84	6309	6208	H	23.16	CD0006	-
25	19	3520	284TS	EM4107T-5	22	168	37.2	92.2	92.7	91.7	87	91	93	6311	6208	H	24.7	CD0006	-
25	19	1770	284T	EM4103T-5	23.9	153	74.1	92.4	93.5	93.6	71	80	84	6311	6309	H	27.76	CD0006	-
30	22	3520	286TS	EM4108T-5	26.5	204	44.7	93.1	93.1	91.7	81	88	91	6311	6208	H	24.7	CD0006	-
30	22	1770	286T	EM4104T-5	29	177	89.2	93.9	94.4	93.6	69	77	84	6311	6309	H	27.76	CD0006	-
40	30	3540	324TS	EM4109T-5	36	268	59.5	92.3	93.4	92.4	79	86	89	6312	6311	H	28.78	CD0006	-
40	30	1775	324T	EM4110T-5	39	267	118	93.6	94.3	94.1	67	77	82	6312	6311	H	30.28	CD0006	-
50	37	3540	326TS	EM4114T-5	45	325	74.2	93.6	94.3	93	79	86	89	6312	6311	H	28.9	CD0006	-
50	37	1775	326T	EM4115T-5	46	310	149	94.4	95.1	94.5	75	83	87	6312	6311	H	30.28	CD0006	-
60	45	1780	364T	EM4314T-5	54.4	344	177	95.2	95.3	95	79	85	87	6313	6313	H	33.44	416820-36	-
75	56	1780	365T	EM4316T-5	68.7	434	221	95.7	95.8	95.4	77	84	86	6313	6313	H	33.44	416820-36	-
100	75	1785	405T	EM4400T-5	89.6	580	295	95.4	95.7	95.4	83	87	88	6316	6316	H	38.06	416820-36	-
125	93	1785	444T	EM4410T-5	115	713	368	95.5	95.8	95.4	73	82	85	6318	6318	H	44.75	416820-36	-
125	93	1785	444T	EM4410T-5E	111	726	368	95.5	95.9	95.8	81	87	88	6318	6318	H	44.62	416820-36	56
125	93	1785	444T	EM4910T-5	115	713	368	95.5	95.8	95.4	73	82	85	6318	6318	H	44.75	416820-36	99
150	112	1785	445T	EM4406T-5E	132	868	441	96.4	96.6	96.2	83	88	89	6318	6318	H	44.62	416820-36	56
150	112	1785	445T	EM4406T-5	136	833	442	96	96.1	95.8	76	83	86	6318	6318	H	44.75	416820-36	-
150	112	1785	445T	EM4906T-5	136	833	442	96	96.1	95.8	76	83	86	6318	6318	H	44.75	416820-36	99

NOTE: Volt Code: H=575V, 60Hz

56 = Single Frame mounting holes in 447 and 449 frame

99 = Has F3 lead outlet hole and an arm mounted conduit box for easy F1 or F2 lead location.

See page 68 for Layout drawing. See page 93 for Connection Diagrams.

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

Shaded ratings are cast iron frames.

# TEFC Super-E® Premium Efficient Motors

## F2 Mounting



**Foot Mounted, 230/460 Volts, Three Phase, 2 - 30 Hp**

Hp	kW	RPM	Frame	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			
2	1.5	1755	145T	EFM3558T	2.9	24.3	6	84.2	86.4	86.5	51	64	73	6205	6203	E	14.19	CD0005
3	2.2	1760	182T	EFM3611T	4.2	32	8.9	87.8	89.5	89.5	54	68	75	6206	6205	E	16.55	CD0005
5	3.7	1750	184T	EFM3615T	6.7	49.1	14.9	89.7	90.3	89.5	60	72	78	6206	6205	E	18.06	CD0005
7 1/2	5.6	1770	213T	EFM3710T	9.4	71.6	22.3	91.8	92.4	91.7	62	75	81	6307	6206	E	19.01	CD0005
10	7.5	1770	215T	EFM3714T	12	103	29.5	92.1	92.4	91.7	66	79	85	6307	6206	E	20.51	CD0005
15	11	1765	254T	EFM2333T	18.5	122.9	44.6	91.9	92.6	92.4	66	77	82	6309	6208	E1	23.16	CD0005
20	15	1765	256T	EFM2334T	24	175.1	59.5	92.6	93.3	93	70	79	84	6309	6208	E1	23.16	CD0005
25	19	1770	284T	EFM4103T	30	186	74.2	92.3	93.5	93.6	73	81	85	6311	6309	E1	27.76	CD0005
30	22	1770	286T	EFM4104T	36	235	89.1	93.7	94.3	93.6	66	75	83	6311	6309	E1	27.76	CD0005

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

See page 67 for Layout drawing. See page 93 for Connection Diagrams.

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

Shaded ratings are cast iron frames.



# TEFC Super-E® Premium Efficient Motors C-Face Foot Mounted



**TEFC - Totally Enclosed Fan Cooled  
230/460 & 575 Volts, Three Phase, 1 - 100 Hp**

Hp	kW	RPM	Frame	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			
<b>230/460 Volts (continued)</b>																		
50	37	3540	326TSC	<b>CEM4114T</b>	56	408	74.4	93.8	94.2	93	82	88	90	6312	6311	E1	28.78	CD0180
50	37	1775	326TC	<b>CEM4115T</b>	57	392	149	94.4	94.9	94.5	73	82	85	6312	6311	E1	30.28	CD0180
60	45	3560	364TSC	<b>CEM4310T</b>	67.3	398	88.5	95.3	95.5	93.6	88	91	91	6313	6313	E1	31.31	416820-2
60	45	1780	364TC	<b>CEM4314T</b>	68	430	177	95.5	95.3	95	79	85	87	6313	6313	E1	33.44	416820-2
75	56	3555	365TSC	<b>CEM4313T</b>	83.4	494	111	95.1	95.4	93.6	91	92	92	6313	6313	E1	31.31	416820-2
75	56	1780	365TC	<b>CEM4316T</b>	85.9	542	221	95.7	95.8	95.4	77	84	86	6313	6313	E1	33.44	416820-2
100	75	1785	405TC	<b>CEM4400T</b>	112	725	295	95.4	95.7	95.4	83	87	87	6316	6316	E1	38.31	416820-2
<b>575 Volts</b>																		
1	0.75	1760	143TC	<b>CEM3546T-5</b>	1.2	9.66	3	81.9	84.8	85.5	49	62	71	6205	6203	H	13.29	CD0006
1	0.75	1760	143TC	<b>CEM3581T-5</b>	1.2	9.66	3	81.9	84.8	85.5	49	62	71	6205	6203	H	13.03	CD0006
1 1/2	1.1	3500	143TC	<b>CEM3583T-5</b>	1.5	14.5	2.2	82.1	84.3	84	66	78	85	6205	6203	H	13.03	CD0006
1 1/2	1.1	1760	145TC	<b>CEM3554T-5</b>	1.8	14.6	4.5	84.5	87	86.5	51	65	74	6205	6203	H	13.29	CD0006
1 1/2	1.1	1760	145TC	<b>CEM3584T-5</b>	1.7	14.3	4.5	86.5	88.2	86.5	54	67	76	6205	6203	H	13.03	CD0006
2	1.5	3490	145TC	<b>CEM3586T-5</b>	2	21	3	83.6	85.5	85.5	74	84	88	6205	6203	H	13.03	CD0006
2	1.5	1755	145TC	<b>CEM3558T-5</b>	2.4	19.6	6	83.8	86.4	86.5	50	64	73	6205	6203	H	14.17	CD0006
2	1.5	1750	145TC	<b>CEM3587T-5</b>	2.3	20	6	85.2	87	86.5	53	66	74	6205	6203	H	13.03	CD0006
3	2.2	3450	145TC	<b>CEM3559T-5</b>	2.9	26.1	4.5	87.9	88.1	86.5	77	86	88	6205	6203	H	14.17	CD0006
3	2.2	3450	182TC	<b>CEM3610T-5</b>	2.9	26.1	4.5	87.9	88.1	86.5	77	86	88	6206	6203	H	15.18	CD0006
3	2.2	3460	182TC	<b>CEM3660T-5</b>	3	20.9	4.6	86.3	87	86.5	74	82	87	6206	6205	H	16	CD0006
3	2.2	1760	182TC	<b>CEM3611T-5</b>	3.3	25.9	8.9	87.7	89.5	89.5	54	67	75	6206	6205	H	16.55	CD0006
3	2.2	1755	182TC	<b>CEM3661T-5</b>	3.3	23.8	9.1	88.4	89.8	89.5	59	71	77	6206	6205	H	16	CD0006
5	3.7	3450	184TC	<b>CEM3613T-5</b>	4.7	45.7	7.6	88.4	89.1	88.5	81	88	91	6206	6205	H	16.55	CD0006
5	3.7	3475	184TC	<b>CEM3663T-5</b>	5.1	41.7	7.5	87.7	89	88.5	63	76	83	6206	6205	H	16	CD0006
5	3.7	1750	184TC	<b>CEM3615T-5</b>	5.3	39.3	14.9	89.6	91.5	89.5	60	72	78	6206	6205	H	18.05	CD0006
5	3.7	1750	184TC	<b>CEM3665T-5</b>	5.3	35.7	15	90.6	90.3	89.5	63	74	79	6206	6205	H	16	CD0006
7 1/2	5.6	3525	213TC	<b>CEM3769T-5</b>	6.9	60	11.2	90	91.4	89.5	79	87	90	6307	6206	H	19.2	CD0006
7 1/2	5.6	1770	213TC	<b>CEM3710T-5</b>	7.6	58.5	22.2	91.1	92.3	91.7	61	74	81	6307	6206	H	19.76	CD0006
7 1/2	5.6	1770	213TC	<b>CEM3770T-5</b>	7.5	53.9	22.1	91.2	91.8	91.7	65	76	81	6307	6206	H	19.2	CD0006
10	7.5	3490	215TC	<b>CEM3711T-5</b>	9.5	62.6	15	91.1	91.4	90.2	74	84	87	6307	6206	H	18.63	CD0006
10	7.5	3500	215TC	<b>CEM3771T-5</b>	9.3	69.3	14.9	92.4	92.8	90.2	80	88	91	6307	6206	H	19.2	CD0006
10	7.5	3490	215TC	<b>CEM3714T-5</b>	9.6	92.6	15	91.1	91.4	91.7	74	84	87	6307	6206	H	21.26	CD0006
10	7.5	1760	215TC	<b>CEM3774T-5</b>	9.8	66.3	29.8	92.1	92.7	91.7	70	79	83	6307	6206	H	19.2	CD0006
15	11	3500	215TC	<b>CEM3713T-5</b>	13.6	125	22.2	93.2	93	91	83	90	91	6307	6206	H	21.26	CD0006
15	11	1765	254TC	<b>CEM2333T-5</b>	14.8	99	44.5	91.3	92.5	92.4	67	78	82	6309	6208	H	23.78	CD0006
20	15	1765	256TC	<b>CEM2334T-5</b>	19	138	59	92	93	93	67	77	84	6309	6208	H	23.78	CD0006
25	19	1770	284TC	<b>CEM4103T-5</b>	23.9	153	74.1	92.4	93.5	93.6	71	80	84	6311	6309	H	27.76	CD0006
30	22	1765	286TC	<b>CEM4104T-5</b>	28	172	89.2	92.8	93.6	93.6	75	83	87	6311	6309	H	27.76	CD0006

**NOTE:** Volt Code: E1 = 230/460V, 60Hz, usable at 208V; H=575V, 60 Hz  
See page 70 for Layout drawing. See page 93 for Connection Diagrams.  
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Shaded ratings are cast iron frames.



# Open Drip Proof (ODP) 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.



## Super-E ODP Premium Efficiency Motor Family

Electrical Features	ODP 56T-449T Frames
Hp Range - Stock	1-300
Hp Range - Custom	1 - 350
Class F insulation with Class B rise	S
1.15 Service factor	S
200°C Inverter Spike Resistant Insulation System	S
Phase insulation	S
Corona inception testing - meets NEMA Part 31.4.4.2	S
Varnish dip & bake with 100% solids	S
VPI with 2-part epoxy varnish with 100% solids	O
No silicon lead wire	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
Mechanical Features	ODP 56T-449T Frames
NEMA Frame sizes	143T - 447T Frames
Steel band with die cast aluminum endplates	143T - 365T Frames
Steel band with cast iron endplates	404 - 405T Frames
Cast iron frame - cast iron endplates	365T - 449T Frames Optional
Cast Aluminum conduit box	143T - 365T Frames
Cast Iron conduit box	404 - 449T
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
Grease outlet with pressure relief	143T - 215T
Grease outlet with screw-in plug	254T - 449T
Castings coated with 2-part epoxy primer	O
Finish paint with Super-E Gold enamel	S
Finish paint with 2-part dark gray epoxy	O
Laser etched aluminum nameplate with NEMA data	S
Embossed stainless steel nameplate with NEMA data	S
Limited Warranty	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.



# Open Enclosure Motors – 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.



ODP – Open Drip Proof  
Foot Mounted, 230/460, 460 & 575 Volts, Three Phase, 1 - 300 Hp



Table with columns: Hp, kW, RPM, Frame, Catalog No., Amps @ High V (Full Load, Locked Rotor), Full Load Torque (Lb. Ft.), Efficiency % (1/2, 3/4, Full Load), Power Factor % (1/2, 3/4, Full Load), Bearings (DE, ODE), Volt Code, "C" Dim., Conn. Diag. No., Notes. Includes sections for 230/460 & 460 Volts and 575 Volts.

NOTE: Volt Code: E = 208-230/460V, 60Hz; E1 = 230/460V, 60Hz, usable at 208V; F = 230/460V, 60 Hz; G=460V, 60 Hz; H=575V, 60Hz  
25 = Wye Start Delta Run  
Shaded ratings are cast iron frames.  
See page 77 for Layout drawing. See page 93 for Connection Diagrams.  
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

# Open Drip Proof F2 Mounting



**ODP – Open Drip Proof  
Foot Mounted, 230/460 Volts, Three Phase, 1 - 60 Hp**

Hp	kW	RPM	Frame	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			
<b>575 Volts (continued)</b>																		
1	0.75	1760	145T	<b>EFM3116T</b>	1.5	12.1	3	82.1	84.8	85.5	49	62	71	6205	6203	E	11.12	CD0005
1 1/2	1.1	1755	145T	<b>EFM3154T</b>	2.2	12.6	4.5	83.5	86	86.5	50	63	72	6205	6203	E1	11.62	CD0005
2	1.5	1750	145T	<b>EFM3157T</b>	2.9	19	6	84.4	86.6	86.5	51	64	73	6205	6203	E1	12.12	CD0005
3	2.2	1765	182T	<b>EFM3211T</b>	4.2	32.3	8.9	87.5	89.5	89.5	53	66	73	6206	6205	E1	15	CD0005
5	3.7	1750	184T	<b>EFM3218T</b>	6.6	44.8	15	89.7	90.2	89.5	64	75	80	6206	6205	E	16.5	CD0005
7 1/2	5.6	1770	213T	<b>EFM3311T</b>	9.7	68.2	22.1	90.5	91.4	91	62	73	79	6307	6206	E1	16.32	CD0005
10	7.5	1770	215T	<b>EFM3313T</b>	12.5	88.3	29.7	91.6	92.3	91.7	66	77	82	6307	6206	E1	17.45	CD0005
15	11	1765	254T	<b>EFM2513T</b>	17.7	118	44.6	93.3	93.5	93	70	81	86	6309	6208	E1	21.69	CD0180
20	15	1765	256T	<b>EFM2515T</b>	23.5	160.8	59.4	92.5	93.2	93	71	81	86	6309	6208	E1	21.69	CD0180
25	19	1760	284T	<b>EFM2531T</b>	29	180	74	93.2	93.9	93.6	72	82	86	6311	6309	E1	23.81	CD0180
30	22	1770	286T	<b>EFM2535T</b>	35	223.6	88.9	93.6	94.2	94.1	72	82	85	6311	6309	E1	25.06	CD0005
40	30	1770	324T	<b>EFM2539T</b>	49	330	119	94	94.5	94.1	65	76	82	6312	6309	E1	27.19	CD0005
50	37	1775	326T	<b>EFM2543T</b>	57	378	148	94.5	94.9	94.5	75	84	87	6312	6311	E1	27.69	CD0180
60	45	1775	364T	<b>EFM2547T</b>	68	470	177	94.9	95.3	95	77	85	87	6313	6311	E1	30.69	CD0180

**NOTES:** Volt Code: E = 208-230/460V, 60Hz; E1 = 230/460V, 60Hz, usable at 208V  
Contact Baldor for Layout drawings. See page 93 for Connection Diagrams.  
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

# Open Drip Proof C-Face Foot Mounted



**ODP – Open Drip Proof  
230/460 Volts, Three Phase, 1 - 100 Hp**

Hp	kW	RPM	Frame	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			
1	0.75	1760	143TC	<b>CEM3116T</b>	1.5	12.1	2.97	82.1	84.8	85.5	49	62	71	6205	6203	E	11.62	CD0005
1 1/2	1.1	1755	145TC	<b>CEM3154T</b>	2.2	17.5	4.46	83.5	86	86.5	50	63	72	6205	6203	E1	11.62	CD0005
2	1.5	1750	145TC	<b>CEM3157T</b>	2.9	24.3	5.96	84.4	86.6	86.5	51	64	73	6205	6203	E1	12.12	CD0005
3	2.2	3450	145TC	<b>CEM3158T</b>	3.8	32.5	4.5	84.3	86	85.5	72	82	87	6205	6203	E	13	CD0005
3	2.2	1765	182TC	<b>CEM3211T</b>	4.2	32.3	8.87	87.5	89.5	89.5	53	66	73	6206	6205	E1	15	CD0005
5	3.7	3450	182TC	<b>CEM3212T</b>	6	50.7	7.66	86.7	87.6	86.5	81	88	91	6206	6205	E	13.62	CD0005
5	3.7	1750	184TC	<b>CEM3218T</b>	6.6	44.8	15	89.7	90.2	89.5	64	75	80	6206	6205	E	16.5	CD0005
7 1/2	5.6	3450	184TC	<b>CEM3219T</b>	8.6	86.3	11.3	88.1	89.2	88.5	80	87	91	6206	6205	E	15	CD0005
7 1/2	5.6	1770	213TC	<b>CEM3311T</b>	9.7	68.2	22.1	90.5	91.4	91	62	73	79	6307	6206	E	17.06	CD0005
10	7.5	3500	213TC	<b>CEM3312T</b>	11.4	98	15	90.9	92	91.7	84	87	90	6307	6206	E	18.19	CD0005
10	7.5	1770	215TC	<b>CEM3313T</b>	12.5	88.3	29.7	91.6	92.3	91.7	66	77	82	6307	6206	E	18.19	CD0005
15	11	3525	215TC	<b>CEM3314T</b>	17.5	143	22.5	91.9	92.3	90.2	80	87	89	6307	6206	E1	17.06	CD0005
15	11	1765	254TC	<b>CEM2513T</b>	17.7	118	44.6	93.3	93.5	93	70	81	86	6309	6208	E	21.69	CD0005
20	15	3510	254TC	<b>CEM2514T</b>	23.5	153	29.6	90.1	91.2	91	74	83	87	6309	6208	E1	21.69	CD0180
20	15	1765	256TC	<b>CEM2515T</b>	23.5	160.8	59.4	92.5	93.2	93	71	81	86	6309	6208	E1	21.69	CD0180
25	19	3515	256TC	<b>CEM2516T</b>	28	197	37.2	91.8	92.3	91.7	79	86	89	6309	6208	E1	21.69	CD0180
25	19	1760	284TC	<b>CEM2531T</b>	29	180	74	93.2	93.9	93.6	72	82	86	6311	6309	E1	23.81	CD0180
30	22	1770	286TC	<b>CEM2535T</b>	35	223.6	88.9	93.6	94.2	94.1	72	82	85	6311	6309	E1	25.06	CD0005
40	30	1775	324TC	<b>CEM2539T</b>	47	280	118	93.6	94.4	94.1	76	82	84	6312	6311	E1	26.69	CD0180
50	37	1775	326TC	<b>CEM2543T</b>	57	378	148	94.5	94.9	94.5	75	84	87	6312	6311	E1	27.69	CD0180
60	45	1775	364TC	<b>CEM2547T</b>	68	470	177	94.9	95.3	95	77	85	87	6313	6311	E1	30.69	CD0180
75	56	1775	365TC	<b>CEM2551T</b>	87	512	222	95.5	95.7	95	78	84	87	6313	6312	F	33.72	CD0180
100	75	1780	404TC	<b>CEM2555T</b>	118	852	295	95.3	95.7	95.4	70	79	83	6313	6312	F	36.97	CD0180

**NOTES:** Volt Code: E = 208-230/460V, 60Hz; E1 = 230/460V, 60Hz, usable at 208V; F = 230/460V, 60 Hz  
Contact Baldor for Layout drawings. See page 93 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, 460 & 575 Volt, Three Phase, 1 - 400 Hp



Table with columns: Hp, kW, RPM, Frame, Catalog No., Amps @ High V (F.L., L.R.), F.L. Torque Lb. Ft., Efficiency % (1/2, 3/4, F.L.), Power Factor % (1/2, 3/4, F.L.), Bearings (DE, ODE), "C" Dim., Conn. Diag. No., Notes. Includes sub-header '460 Volt, Ball Bearing Designs'.

NOTES: 56 = Single Frame mounting holes in 447 and 449 frame

60 = Totally Enclosed Non-Ventilated Enclosure (TENV)

99 = Has F3 lead outlet hole and an arm mounted conduit box for easy F1 or F2 lead location.

See page 93 for Connection Diagrams. See page 72 for Dimensions. Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Shaded ratings are cast iron frames.



TEFC – Totally Enclosed Fan Cooled  
Foot Mounted, 460 & 575 Volt, Three Phase, 1 - 400 Hp

Table with columns: Hp, kW, RPM, Frame, Catalog No., Amps @ High V (F.L., L.R.), F.L. Torque Lb. Ft., Efficiency % (1/2, 3/4, F.L.), Power Factor % (1/2, 3/4, F.L.), Bearings (DE, ODE), "C" Dim., Conn. Diag. No., Notes. Sub-section: 460 Volt, Ball Bearing Designs (continued). Rows include motor specifications from 125 to 400 HP.

Table with columns: Hp, kW, RPM, Frame, Catalog No., Amps @ High V (F.L., L.R.), F.L. Torque Lb. Ft., Efficiency % (1/2, 3/4, F.L.), Power Factor % (1/2, 3/4, F.L.), Bearings (DE, ODE), "C" Dim., Conn. Diag. No., Notes. Sub-section: 460 Volt, Roller Bearing Designs. Rows include motor specifications with roller bearings.

Table with columns: Hp, kW, RPM, Frame, Catalog No., Amps @ High V (F.L., L.R.), F.L. Torque Lb. Ft., Efficiency % (1/2, 3/4, F.L.), Power Factor % (1/2, 3/4, F.L.), Bearings (DE, ODE), "C" Dim., Conn. Diag. No., Notes. Sub-section: 575 Volt, Ball Bearing Designs. Rows include motor specifications for 1, 1 1/2, 2, 3, and 3 HP.

NOTES: 5 = Belted Duty only, Roller Bearing 56 = Single Frame mounting holes in 447 and 449 frame 60 = Totally Enclosed Non-Ventilated Enclosure (TENV) 64 = Motor includes (1) set of (6) 100 Ohm Platinum Winding RTD's and a Space Heater 99 = Has F3 lead outlet hole and an arm mounted conduit box for easy F1 or F2 lead location.  
See page 93 for Connection Diagrams. See page 72 for Dimensions. Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.







**TEFC – Totally Enclosed Fan Cooled**  
**230/460 and 460 Volts, Three Phase, 1 - 50 Hp**

Hp	kW	RPM	Frame	Catalog No.	Amps @ High V		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		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			
25	18.6	3510	284TSC	CECP4107T	27	176	37.3	93.4	93.4	92.4	90	93	93	6311	6309	E1	26.1	CD0180
25	18.6	1780	284TC	CECP4103T-4	30.5	188	74	93.4	93.9	93.6	69	78	82	6311	6311	G	27.93	CD0006
25	18.6	1770	284TC	CECP4103T	30	186	74.2	92.3	93.5	93.6	73	81	85	6311	6311	E1	27.93	CD0005
30	22.4	3520	286TSC	CECP4108T	33	215	44.5	93.2	93.6	93	83	88	90	6311	6311	F	26.62	CD0180
30	22.4	1770	286TC	CECP4104T	36	246	89	93.8	94.4	94.1	66	75	83	6311	6311	E1	27.93	CD0005
30	22.4	1770	286TC	CECP4104T-4	35	217	89.2	93.3	93.8	93.6	75	83	87	6311	6311	G	27.93	CD0006
40	29.8	3540	324TSC	CECP4109T	45	326	59.5	92.3	93.4	93.6	80	87	90	6312	6312	F	28.66	CD0180
40	29.8	1775	324TC	CECP4110T	46	320	118	93.9	94.6	94.5	73	81	84	6312	6312	E1	30.16	CD0180
50	37.3	3540	326TSC	CECP4114T	56	403	74.1	94	94.5	94.1	80	87	89	6312	6312	E1	28.66	CD0180
50	37.3	1775	326TC	CECP4115T	57	392	149	94.4	94.9	94.5	73	82	85	6312	6312	E1	30.16	CD0180

**NOTES:** Volt Code: E = 208-230/460V, 60Hz; E1 = 230/460V, 60Hz, usable at 208V; F = 230/460V, 60 Hz; G = 460V, 60Hz  
 See page 93 for Connection Diagrams. See page 73 for dimensions.  
 Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

**Severe Duty Super-E® ECP/XEX**  
**C-Face Footless**



**TEFC – Totally Enclosed Fan Cooled**  
**230/460 and 460 Volts, Three Phase, 1 - 25 Hp**

Hp	kW	RPM	Frame	Catalog No.	Amps @ High V		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		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			
1	0.75	3450	56C	VECP3580-4	1.4	12.1	1.5	80.5	83.6	84	65	77	84	6205	6205	G	14.5	CD0006
1	0.75	1765	56C	VECP3581	1.5	15	3	84.4	87	87.5	48	60	70	6205	6205	E	14.5	CD0005
1	0.75	1765	56C	VECP3581-4	1.5	15	3	84.4	87	87.5	48	60	70	6205	6205	G	14.5	CD0006
1	0.75	1765	143TC	VECP3581T	1.5	15	3	84.4	87	87.5	48	60	70	6205	6205	E	14.56	CD0005
1	0.75	1765	143TC	VECP3581T-4	1.5	15	3	84.4	87	87.5	49	60	70	6205	6205	G	14.57	CD0006
1	0.75	1150	145TC	VECP3582T	1.8	9.2	4.5	82.3	84	82.5	42	55	63	6205	6205	E	14.56	CD0005
1 1/2	1.1	3450	143TC	VECP3583T-4	2	20.1	2.3	81.3	84.3	85.5	68	78	83	6205	6205	G	14.57	CD0006
1 1/2	1.1	1760	145TC	VECP3584T	2.1	18	4.5	86.8	88.4	88.5	54	67	76	6205	6205	E	14.56	CD0005
1 1/2	1.1	1760	145TC	VECP3584T-4	2.1	18	4.5	86.5	88.3	88.5	54	67	76	6205	6205	G	14.56	CD0006
1 1/2	1.1	1170	182TC	VECP3667T	2.5	16.2	6.8	84.8	86.9	87.5	44	56	64	6206	6206	E	16.98	CD0005
2	1.5	3450	145TC	VECP3586T-4	2.5	30	3	83.8	86.2	86.5	70	80	85	6205	6205	G	14.56	CD0006
2	1.5	1755	145TC	VECP3587T	2.8	25	6	86.9	88.5	88.5	54	67	75	6205	6205	E	14.57	CD0005
2	1.5	1755	145TC	VECP3587T-4	2.8	25	6	86.9	88.5	88.5	54	67	75	6205	6205	G	14.57	CD0006
2	1.5	1165	184TC	VECP3664T	3.2	20.9	9	86.9	88.5	88.5	48	60	68	6206	6206	F	16.98	CD0005
3	2.2	3500	182TC	VECP3660T-4	3.4	34.5	4.5	87.5	89.1	88.5	83	89	92	6206	6206	G	16.98	CD0006
3	2.2	1760	182TC	VECP3661T	4.2	33	9	88.9	90.4	90.2	54	66	74	6206	6206	F	16.98	CD0005
3	2.2	1760	182TC	VECP3661T-4	4.1	31.9	9	89.2	90.4	90.2	56	67	75	6206	6206	G	16.98	CD0006
3	2.2	1165	213TC	VECP3764T	4.5	30.9	13.5	89.5	90.4	90.2	52	64	70	6307	6307	E1	21.41	CD0005
5	3.7	3500	184TC	VECP3663T-4	5.7	63.9	7.5	88.6	89.8	89.5	83	89	93	6206	6206	G	16.98	CD0006
5	3.7	1750	184TC	VECP3665T	6.6	54	14.9	90.3	91.2	89.5	60	73	80	6206	6206	E	16.98	CD0005
5	3.7	1750	184TC	VECP3665T-4	6.6	54	15	89.7	90.7	89.5	62	74	80	6206	6206	G	16.98	CD0006
5	3.7	1160	215TC	VECP3768T	7.3	51.9	22.8	90.3	91	90.2	54	65	72	6307	6307	E1	21.41	CD0005
7 1/2	5.6	3525	213TC	VECP3769T-4	8.6	86	11.2	90	91.4	91.7	79	87	90	6307	6307	G	21.41	CD0006
7 1/2	5.6	1770	213TC	VECP3770T	9.5	68	22.1	91.6	92.3	91.7	65	76	81	6307	6307	F	21.41	CD0005
7 1/2	5.6	1770	213TC	VECP3770T-4	9.5	68	22.1	91.6	92.3	91.7	65	76	81	6307	6307	G	21.41	CD0006
7 1/2	5.6	1180	254TC	VECP2276T	10.7	69.7	32.4	89.7	91.5	91.7	52	63	70	6309	6309	E1	27.69	CD0005
10	7.5	3500	215TC	VECP3771T-4	11	120	15	92.7	92.9	92.4	82	89	92	6307	6307	G	21.41	CD0006
10	7.5	1760	215TC	VECP3774T	12.5	88.5	29.8	92.9	93.1	92.4	67	78	82	6307	6307	F	21.41	CD0005
10	7.5	1760	215TC	VECP3774T-4	12.5	96.9	29.7	92.2	92.7	92.4	69	79	83	6307	6307	G	21.41	CD0006
10	7.5	1180	256TC	VECP2332T	14.2	93	44.4	90.2	91.6	91.7	55	66	72	6309	6309	E1	27.69	CD0180
15	11	1765	254TC	VECP2333T	18.5	122.9	44.6	91.9	92.6	92.4	66	77	82	6309	6309	E1	27.69	CD0005
15	11	1765	254TC	VECP2333T-4	18.5	122.9	44.6	91.9	92.6	92.4	66	77	82	6309	6309	G	27.69	CD0006
15	11	1180	284TC	VECP4100T	19.7	130.1	66.7	91.9	93	93	59	70	77	6311	6311	E1	30.68	CD0180
20	15	1765	256TC	VECP2334T	24	175.1	59.5	92.6	93.3	93	70	79	84	6309	6309	E1	27.69	CD0005
20	15	1765	256TC	VECP2334T-4	24	175	59	92.8	93.1	93	69	80	84	6309	6309	G	27.69	CD0006
20	15	1180	286TC	VECP4102T	26	171.6	89	92.5	93.3	93	61	72	78	6311	6311	F	30.68	CD0180
25	19	1770	284TC	VECP4103T	30	186	74.2	92.3	93.5	93.6	73	81	85	6311	6311	E1	30.68	CD0005
25	19	1180	324TC	VECP4111T	32	198	111	92.8	93.5	93	65	75	79	6312	6312	E1	32.91	CD0180

**NOTES:** Volt Code: E = 208-230/460V, 60Hz; E1 = 230/460V, 60Hz, usable at 208V; F = 230/460V, 60 Hz; G = 460V, 60Hz  
 See page 93 for Connection Diagrams. See page 74 for dimensions.  
 Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

# 841XL Super-E® NEMA Premium® Efficient Motors



Baldor•Reliance 841XL motors are designed for the rugged requirements of the petro-chemical, pulp and paper, cement, aggregate, mining, and other process industries requiring premium efficient motors designed, manufactured and tested to exceed IEEE Std. 841-2009 for extreme severe duty service.

Motors feature an upgraded electrical and mechanical design. The Super-E electrical design has a Class F insulation system that operates within Class B temperature rise limits, a 1.15 service factor and meets or exceeds NEMA Premium® efficiency requirements. Rugged Cast Iron construction (includes: frame, end bells, conduit box and fan cover) is rated for IP56 enclosure protection. Inpro/Seal VBX (thru 210 frame) and VBXX labyrinth bearing isolators on drive end and opposite drive end of shaft. Positive Lubrication System (PLS). Embossed stainless nameplates are marked suitable for Division 2/Zone 2 locations with a T3 (200° C) or lower temperature code. Each 841XL motor includes final test and vibration results and has a 5 year warranty.



## TEFC – Totally Enclosed Fan Cooled, Foot Mounted, 460 & 575 Volts, Three Phase, 1 - 250 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps @ High V		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		"C" Dim.	Conn. Diag. No.	Notes
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.	DE	ODE			
<b>460 Volts</b>																		
1	0.75	3450	143T	ECP83580T-4	1.4	12.1	1.5	80.5	83.6	84	65	77	84	6205	6205	12.88	CD0006	-
1	0.75	3450	143T	ENCP83580T-4	1.3	11.2	1.5	80.5	83.9	84	73	83	87	6205	6203	11.37	CD0006	60
1	0.75	1765	143T	ECP83581T-4	1.5	15	3	84.4	87	87.5	48	60	70	6205	6205	12.88	CD0006	-
1	0.75	1765	143T	ENCP83581T-4	1.5	15	3	83.6	86.7	87.5	48	60	70	6205	6203	11.37	CD0006	60
1	0.75	1150	145T	ECP83582T-4	1.8	9.6	4.5	82.3	84	82.5	42	55	63	6205	6205	12.88	CD0006	-
1 1/2	1.1	3450	143T	ECP83583T-4	2	20.1	2.3	81.3	84.3	85.5	68	78	83	6205	6205	12.88	CD0006	-
1 1/2	1.1	1760	145T	ECP83584T-4	2.1	18	4.5	86.5	88.3	88.5	54	67	76	6205	6205	12.87	CD0006	-
1 1/2	1.1	1170	182T	ECP83667T-4	2.5	16.2	6.8	85	87.1	87.5	44	56	65	6206	6206	15.93	CD0006	-
2	1.5	3450	145T	ECP83586T-4	2.4	24.9	3	84.4	86.4	86.5	79	87	91	6205	6205	12.88	CD0006	-
2	1.5	1755	145T	ECP83587T-4	2.8	25	6	86.9	88.5	88.5	54	67	75	6205	6205	12.87	CD0006	-
2	1.5	1165	184T	ECP83664T-4	3.2	20.9	9	86.9	88.5	88.5	48	60	68	6206	6206	15.93	CD0006	-
3	2.2	3450	182T	ECP83660T-4	3.4	32.2	4.5	87.8	88.8	88.5	86	92	94	6206	6206	15.93	CD0006	-
3	2.2	1755	182T	ECP83661T-4	4.1	29.8	9.1	88.3	89.8	89.5	58	70	77	6206	6206	15.93	CD0006	-
3	2.2	1165	213T	ECP83764T-4	4.5	31.5	13.5	88.4	89.8	89.5	53	64	70	6307	6307	19.32	CD0006	-
5	3.7	3450	184T	ECP83663T-4	5.6	49.1	7.6	90.8	90.8	89.5	86	91	93	6206	6206	15.93	CD0006	-
5	3.7	1750	182T	ECP83665T-4	6.6	54	15	89.7	90.7	89.5	62	74	80	6206	6206	15.93	CD0006	-
5	3.7	1160	215T	ECP83768T-4	7.1	46	22.4	89.6	90.1	89.5	57	67	73	6307	6307	19.32	CD0006	-
7 1/2	5.6	3450	213T	ECP83769T-4	8.6	56.7	11.2	92.3	92.2	91.7	89	93	94	6307	6307	19.32	CD0006	-
7 1/2	5.6	1765	213T	ECP83770T-4	9.5	63.4	22.2	92	92.3	91.7	66	77	81	6307	6307	19.32	CD0006	-
7 1/2	5.6	1180	254T	ECP82276T-4	10.5	64.6	32.4	90.2	91.2	91.7	54	65	71	6309	6309	25.06	CD0006	-
10	7.5	3450	215T	ECP83771T-4	10.7	82.1	15	92.6	92.6	91.7	91	94	95	6307	6307	19.32	CD0006	-
10	7.5	1760	215T	ECP83774T-4	12.2	81	29.8	92.6	92.7	91.7	71	80	83	6307	6307	19.32	CD0006	-
10	7.5	1180	256T	ECP82332T-4	14.1	81	44.3	91.1	91.9	91.7	57	67	72	6309	6309	25.06	CD0006	-
15	11	3510	254T	ECP82394T-4	17	116	22.2	91.5	92.2	91.7	82	88	91	6309	6309	25.06	CD0006	-
15	11	1765	254T	ECP82333T-4	17.6	115	44.7	92.9	93.3	92.4	74	83	86	6309	6309	25.06	CD0006	-
15	11	1180	284T	ECP84100T-4	19.5	130	66.7	90.8	92.3	92.4	59	70	77	6311	6311	27.93	CD0006	-
20	15	3510	256T	ECP84106T-4	22	142	29.6	92.7	92.7	91.7	84	89	91	6309	6309	25.06	CD0006	-
20	15	1765	256T	ECP82334T-4	23.1	145	59.2	93.6	93.6	93	76	84	86	6309	6309	25.06	CD0006	-
20	15	1180	286T	ECP84102T-4	25	139	89.4	92.3	92.7	92.4	68	77	81	6311	6311	27.93	CD0006	-
25	19	3520	284TS	ECP84107T-4	28.5	172	37.4	91.9	92.5	91.7	81	87	90	6311	6311	26.56	CD0006	-
25	19	1770	284T	ECP84103T-4	30	187.6	74.2	92.4	93.6	93.6	72	81	84	6311	6311	27.93	CD0006	-
25	19	1180	324T	ECP84111T-4	31.6	184	111	91.9	92.8	93	67	76	80	6312	6312	30.53	CD0006	-
30	22	3520	286TS	ECP84108T-4	33	215	44.5	93.2	93.6	93	83	88	90	6311	6311	26.56	CD0006	-
30	22	1770	286T	ECP84104T-4	35	217	89.2	93.3	93.8	93.6	75	73	87	6311	6311	27.93	CD0006	-
30	22	1180	326T	ECP84117T-4	38.6	234	133	91.9	92.8	93	64	74	78	6312	6312	30.53	CD0006	-
40	30	3540	324TS	ECP84109T-4	45	350	59.2	92.2	93.4	92.4	79	86	89	6312	6312	29.03	CD0006	-
40	30	1775	324T	ECP84110T-4	46	280	119	91.3	94.2	94.1	77	85	87	6312	6312	30.53	CD0006	-
40	30	1190	364T	ECP84308T-4	49.4	290	177	93.6	94.3	94.1	69	77	81	6313	6313	33.44	CD0006	-
50	37	3600	326TS	ECP84114T-4	56	362	73.7	94.5	94.8	93	79	86	89	6311	6311	29.03	416820-36	-
50	37	1770	326T	ECP84115T-4	57	344	148	94.7	94.9	94.5	78	85	87	6312	6312	30.53	CD0006	-
50	37	1185	365T	ECP84312T-4	61.7	345	221	93.9	94.4	94.1	70	78	81	6313	6313	33.44	416820-36	-
60	45	3560	364TS	ECP84310T-4	65.1	398	88.5	95.3	95.5	95	88	91	91	6313	6313	31.31	416820-36	-
60	45	1780	364T	ECP84314T-4	68	430	177	95.2	95.3	95	79	85	87	6313	6313	33.44	416820-36	-
60	45	1185	404T	ECP84403T-4	69	425	265	94.9	95.2	95	79	84	86	6316	6316	38.31	416820-36	-

**NOTES:** 60 = Totally Enclosed Non-Ventilated Enclosure (TENV) Shaded ratings are cast iron frames.  
 See page 93 for Connection Diagrams. See page 75 for dimensions.  
 Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.







# 841XL Super-E® NEMA Premium® Efficient Motors C-Face Foot Mounted



**TEFC - Totally Enclosed Fan Cooled  
460 & 575 Volts, Three Phase, 1 - 75 Hp**

Hp	kW	RPM	Frame	Catalog No.	Amps @ High V		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		"C" Dim.	Conn. Diag. No.	Notes
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.	DE	ODE			
<b>460 Volts</b>																		
1	0.75	3450	143TC	CECP83580T-4	1.4	12.1	1.5	80.5	83.6	84	65	77	84	6205	6205	13.38	CD0006	-
1	0.75	3450	143TC	CENCP83580T-4	1.3	11.2	1.5	80.5	83.9	84	73	83	87	6205	6205	12	CD0006	60
1	0.75	1765	143TC	CECP83581T-4	1.5	15	3	84.4	87	87.5	48	60	70	6205	6205	13.38	CD0006	-
1	0.75	1765	143TC	CENCP83581T-4	1.5	15	3	83.6	86.7	87.5	48	60	70	6205	6205	12	CD0006	60
1 1/2	1.1	3450	143TC	CECP83583T-4	2	20.1	2.3	81.3	84.3	85.5	68	78	83	6205	6205	13.38	CD0006	-
1 1/2	1.1	1760	145TC	CECP83584T-4	2.1	18	4.5	86.5	88.3	88.5	54	67	76	6205	6205	13.38	CD0006	-
2	1.5	3450	145TC	CECP83586T-4	2.4	24.9	3	84.4	86.4	86.5	79	87	91	6205	6205	13.38	CD0006	-
2	1.5	1755	145TC	CECP83587T-4	2.8	25	6	86.9	88.5	88.5	54	67	75	6205	6205	13.38	CD0006	-
3	2.2	3450	182TC	CECP83660T-4	3.4	32.2	4.5	87.8	88.8	88.5	86	92	94	6206	6206	16.69	CD0006	-
3	2.2	1755	182TC	CECP83661T-4	4.1	29.8	9.1	88.3	89.8	89.5	58	70	77	6206	6206	16.69	CD0006	-
5	3.7	3450	184TC	CECP83663T-4	5.6	49.1	7.6	90.8	90.8	89.5	86	91	93	6206	6206	16.38	CD0006	-
5	3.7	1750	184TC	CECP83665T-4	6.6	54	15	89.7	90.7	89.5	62	74	80	6206	6206	16.69	CD0006	-
7 1/2	5.6	3450	213TC	CECP83769T-4	8.6	56.7	11.2	92.3	92.2	91.7	89	93	94	6307	6307	20.06	CD0006	-
7 1/2	5.6	1765	213TC	CECP83770T-4	9.5	63.4	22.2	92	92.3	91.7	66	77	81	6307	6307	20.06	CD0006	-
10	7.5	3450	215TC	CECP83771T-4	11.3	82.1	15	92.6	92.6	90.2	91	94	95	6307	6307	20.06	CD0006	-
10	7.5	1760	215TC	CECP83774T-4	12.5	96.9	29.7	92.2	92.7	92.4	69	79	83	6307	6307	20.06	CD0006	-
15	11	3510	254TC	CECP82394T-4	17	116	22.2	91.5	92.2	91.7	82	88	91	6309	6309	25.19	CD0006	-
15	11	1765	254TC	CECP82333T-4	17.6	115	44.7	92.9	93.3	92.4	74	83	86	6309	6309	25.19	CD0006	-
20	15	3510	256TC	CECP84106T-4	22	142	29.6	92.7	92.7	91.7	84	89	91	6309	6309	25.19	CD0006	-
20	15	1765	256TC	CECP82334T-4	23.1	145	59.2	93.6	93.6	93	76	84	86	6309	6309	25.19	CD0006	-
25	19	3520	284TSC	CECP84107T-4	28.5	172	37.4	91.9	92.5	91.7	81	87	90	6311	6311	26.56	CD0006	-
25	19	1780	284TC	CECP84103T-4	30.5	188	74	93.4	93.9	93.6	69	78	82	6311	6311	27.93	CD0006	-
30	22	3520	284TSC	CECP84108T-4	33	215	44.5	93.2	93.6	93	83	88	90	6311	6311	26.56	CD0006	-
30	22	1770	286TC	CECP84104T-4	35	217	89.2	93.3	93.8	93.6	75	83	87	6311	6311	27.93	CD0006	-
40	30	3540	324TSC	CECP84109T-4	45	350	59.2	92.2	93.4	92.4	79	86	89	6312	6312	29.03	CD0006	-
40	30	1775	324TC	CECP84110T-4	46	280	119	94.2	94.8	94.5	77	85	87	6312	6312	30.53	CD0006	-
50	37	3560	326TSC	CECP84114T-4	56	434	73.7	91.6	92.8	93	80	87	90	6312	6312	29.03	CD0006	-
50	37	1770	326TC	CECP84115T-4	57	344	148	94.7	94.9	94.5	78	85	87	6312	6312	30.53	CD0006	-
60	45	3560	364TSC	CECP84310T-4	65.1	398	88.5	95.3	95.5	95	88	91	91	6313	6313	31.31	416820-36	-
60	45	1780	364TC	CECP84314T-4	68	430	177	95.2	95.3	95	79	85	87	6313	6313	33.44	416820-36	-
75	56	3555	365TSC	CECP84313T-4	80.7	494	111	95.1	95.4	95	91	92	92	6313	6313	31.31	416820-36	-
75	56	1780	365TC	CECP84316T-4	85.9	542	221	95.7	95.8	95.4	77	84	86	6313	6313	33.44	416820-36	-
<b>575 Volts</b>																		
2	1.5	1755	145TC	CECP83587T-5	2.3	19.6	6	86.8	88.1	88.5	55	67	76	6205	6205	13.38	CD0006	-
3	2.2	1755	182TC	CECP83661T-5	3.3	23.8	9.1	88.4	89.8	89.5	59	71	77	6206	6206	16.69	CD0006	-
5	3.7	1750	184TC	CECP83665T-5	5.3	44	15	89.7	90.7	89.5	62	74	80	6206	6206	16.69	CD0006	-
7 1/2	5.6	1765	213TC	CECP83770T-5	7.6	50.7	22.2	91.6	91.9	91.7	67	76	80	6307	6206	20.06	CD0006	-
10	7.5	1760	215TC	CECP83774T-5	9.8	66.3	29.8	92.1	92.7	91.7	70	79	83	6307	6307	20.06	CD0006	-
15	11	1765	254TC	CECP82333T-5	14	89.4	44.6	91.7	92.5	92.4	74	82	86	6309	6309	25.19	CD0006	-
20	15	1765	256TC	CECP82334T-5	19	115	59.5	92.8	93.3	93	76	83	86	6309	6309	25.19	CD0006	-
25	19	1770	284TC	CECP84103T-5	23.9	153	74.1	92.4	93.5	93.6	71	80	84	6311	6311	27.93	CD0006	-
30	22	1765	286TC	CECP84104T-5	28	172	89.2	92.8	93.6	93.6	75	83	87	6311	6311	27.93	CD0006	-
40	30	1775	324TC	CECP84110T-5	36.8	259	118	93.9	94.6	94.5	70	79	86	6312	6312	30.53	CD0006	-
50	37	1775	326TC	CECP84115T-5	45.6	318	149	94.4	94.9	94.5	81	80	88	6312	6312	30.53	CD0006	-

**NOTES:** 60 = Totally Enclosed Non-Ventilated Enclosure (TENV)  
See page 93 for Connection Diagrams. See page 76 for dimensions.  
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Shaded ratings are cast iron frames.

# 841XL Super-E<sup>®</sup> NEMA Premium<sup>®</sup> Efficient Motors C-Face Footless



**TEFC - Totally Enclosed Fan Cooled  
460 Volts, Three Phase, 1 - 20 Hp**

Hp	kW	RPM	Frame	Catalog No.	Amps @ High V		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		"C" Dim.	Conn. Diag. No.	Notes
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.	DE	ODE			
1	0.75	3450	143TC	VEPCP83580T-4	1.3	11.2	1.5	80.5	83.9	84	73	83	87	6205	6205	12	CD0006	60
1	0.75	1765	143TC	VEPCP83581T-4	1.5	15	3	83.6	86.7	87.5	48	60	70	6205	6205	12	CD0006	60
1 1/2	1.1	3450	143TC	VEPCP83583T-4	2	20.1	2.3	81.3	84.3	85.5	68	78	83	6205	6205	14.56	CD0006	-
1 1/2	1.1	1760	145TC	VEPCP83584T-4	2.1	18	4.5	86.5	88.3	88.5	54	67	76	6205	6205	14.56	CD0006	-
2	1.5	3450	145TC	VEPCP83586T-4	2.4	24.9	3	84.4	86.4	86.5	79	87	91	6205	6205	14.56	CD0006	-
2	1.5	1755	145TC	VEPCP83587T-4	2.8	25	6	86.9	88.5	88.5	54	67	75	6205	6205	14.56	CD0006	-
3	2.2	3450	182TC	VEPCP83660T-4	3.4	32.2	4.5	87.8	88.8	88.5	86	92	94	6206	6206	16.69	CD0006	-
3	2.2	1755	182TC	VEPCP83661T-4	4.1	29.8	9.1	88.3	89.8	89.5	58	70	77	6206	6206	16.69	CD0006	-
5	3.7	3450	184TC	VEPCP83663T-4	5.6	49.1	7.6	90.8	90.8	89.5	86	91	93	6206	6206	16.69	CD0006	-
5	3.7	1750	184TC	VEPCP83665T-4	6.6	54	15	89.7	90.7	89.5	62	74	80	6206	6206	16.69	CD0006	-
7 1/2	5.6	3450	213TC	VEPCP83769T-4	8.6	56.7	11.2	92.3	92.3	91.7	89	93	94	6307	6206	20.06	CD0006	-
7 1/2	5.6	1765	213TC	VEPCP83770T-4	9.5	63.4	22.2	92	92.3	91.7	66	77	81	6307	6206	20.06	CD0006	-
10	7.5	3450	215TC	VEPCP83771T-4	10.7	91.2	15	91.6	91.9	91.7	87	92	94	6307	6206	20.06	CD0006	-
10	7.5	1760	215TC	VEPCP83774T-4	12.2	81	29.8	92.6	92.7	91.7	71	80	83	6307	6206	20.06	CD0006	-
15	11	3510	254TC	VEPCP82394T-4	17	116	22.2	91.5	92.2	91.7	82	88	91	6309	6309	25.19	CD0006	-
15	11	1765	254TC	VEPCP82333T-4	17.6	115	44.7	92.9	93.3	92.4	74	83	86	6309	6309	25.19	CD0006	-
20	15	3510	256TC	VEPCP84106T-4	22	142	29.6	92.7	92.7	91.7	84	89	91	6309	6309	25.19	CD0006	-
20	15	1765	256TC	VEPCP82334T-4	23.1	145	59.2	93.6	93.6	93	76	84	86	6309	6309	25.19	CD0006	-

**NOTES:** 60 = Totally Enclosed Non-Ventilated Enclosure (TENV) Shaded ratings are cast iron frames.  
See page 93 for Connection Diagrams. See page 76 for dimensions.  
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

# 661XL Super-E<sup>®</sup> NEMA Premium<sup>®</sup> Efficient Motors



Baldor•Reliance 661XL motors are designed for belt driven, Air Cooled Heat Exchanger applications in the Petroleum and Chemical Processing 661XL motors include all the design features of the 841XL motor line and also include drive end Roller Bearings on 210 frames and larger to handle heavy belt loads. With exception to the Mobilith grease type required by the application, 661XL motors exceed IEEE 841-2009 specifications. Super-E Designs meet or exceed NEMA Premium<sup>®</sup> efficiency requirements with Class F insulation system and a 1.15 service factor. A stainless drain in the lower end bracket is provided for vertical shaft down. Shaft up requires removing plug in upper end and reversing drain. Embossed stainless nameplates are marked suitable for Division 2/Zone 2 locations with a T3 (200° C) or lower temperature code. Each 841XL motor includes final test and vibration results and has a 5 year warranty.



**TEFC - Totally Enclosed Fan Cooled  
Foot Mounted, 460 Volts, Three Phase, 5 - 75 Hp**

Hp	kW	RPM	Frame	Catalog No.	Amps @ High 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	1750	184T	ECP63665T-4	6.6	45.5	15	89.9	90.4	89.5	62	74	79	6206	6206	15.93	CD0006
7 1/2	5.6	1765	213T	ECP63770TR-4	9.5	63.4	22.2	92	92.3	91.7	66	77	81	NU307	6307	19.32	CD0006
10	7.5	1760	215T	ECP63774TR-4	12.2	81	29.8	92.6	92.7	91.7	71	80	83	NU307	6307	19.32	CD0006
15	11	1765	254T	ECP62333TR-4	17.6	115	44.7	92.9	93.3	92.4	74	83	86	NU309	6309	25.06	CD0006
20	15	1765	256T	ECP62334TR-4	23.1	145	59.2	93.6	93.6	93	76	84	86	NU309	6309	25.06	CD0006
25	19	1780	284T	ECP64103TR-4	30.5	188	74	93.4	93.9	93.6	69	78	82	NU311	6311	27.93	CD0006
30	22	1770	286T	ECP64104TR-4	35	217	89.2	93.3	93.8	93.6	75	83	87	NU311	6311	27.93	CD0006
40	30	1775	324T	ECP64110TR-4	46	280	119	94.2	94.8	94.5	77	85	87	NU312	6312	30.53	CD0006
50	37	1770	326T	ECP64115TR-4	57	344	148	94.7	94.9	94.5	78	85	87	NU312	6312	30.53	CD0006
60	45	1780	364T	ECP64314TR-4	68	430	177	95.2	95.3	95	79	85	87	NU313	6313	33.44	416820-36
75	56	1780	365T	ECP64316TR-4	85.9	542	221	95.7	95.8	95.4	77	84	86	NU313	6313	33.44	416820-36

**NOTES:** See page 75 for Layout drawing. See page 93 for Connection Diagrams. Shaded ratings are cast iron frames.  
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

# Crusher Duty Motors



Baldor•Reliance Crusher Duty motors are designed for Belt-driven rock crushers, pellet mills, and other applications requiring motors rated for severe duty service and high starting torques.

Crusher Duty Super-E® motors have NEMA Premium® efficiency, Class F insulation and a 1.15 Service Factor. A High torque design exceeds NEMA Design C locked rotor, pull up and breakdown torques. Pulley end roller bearings and high strength steel shaft for belted loads only; not suitable for direct coupled loads. Regreaseable bearing. Oversize, rotatable cast iron conduit box. V-Ring shaft seal. Stainless steel nameplate and corrosion resistant epoxy finish and hardware.



## TEFC - Totally Enclosed Fan Cooled Foot Mounted, 460 Volts, Three Phase, 75 - 200 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps @ High V		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		“C” Dim.	Conn. Diag. No.	Notes
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.	DE	ODE			
75	56	1185	404T	ECR4404TR-4	91	615	332	94.1	94.7	94.5	66	77	82	6316	6316	38.31	416820-36	-
100	75	1785	405T	ECR4400TR-4	115	853	295	95	95.5	95.4	73	72	75	6316	6316	38.31	416820-36	-
100	75	1190	444T	ECR4409TR-4	119	868	442	94.6	95.2	95	69	79	83	NU222	6318	44.75	416820-36	-
100	75	1190	444T	ECR4909TR-4	119	868	442	94.6	95.2	95	69	79	83	NU223	6319	44.75	416820-36	99
125	93	1785	444T	ECR4410TR-4	149	1005	368	95.2	95.6	95.4	66	76	81	NU222	6318	44.75	416820-36	-
125	93	1785	444T	ECR4910TR-4	149	1005	368	95.2	95.6	95.4	66	76	81	NU222	6318	44.75	416820-36	99
125	93	1190	445T	ECR4411TR-4	148	1089	552	94.4	95.1	95	69	79	83	NU222	6318	48.24	416820-36	-
125	93	1190	445T	ECR4911TR-4	148	1089	552	94.4	95.1	95	69	79	83	NU222	6318	48.24	416820-36	99
150	112	1785	445T	ECR4406TR-4	180	1314	441	95.5	96	95.8	65	76	82	NU222	6318	48.24	416820-36	-
150	112	1785	445T	ECR4906TR-4	180	1314	441	95.5	96	95.8	65	76	82	NU222	6318	48.24	416820-36	99
150	112	1190	447T	ECR44156TR-4	172	1297	662	95.6	95.9	95.8	74	82	85	NU222	6318	53.24	416820-36	-
150	112	1190	447T	ECR49156TR-4	172	1297	662	95.6	95.9	95.8	74	82	85	NU222	6318	53.24	416820-36	99
200	149	1785	447T	ECR4407TR-4	232	1668	588	96.1	96.3	96.2	70	80	84	NU222	6318	53.24	416820-36	-
200	149	1785	447T	ECR4907TR-4	232	1668	588	96.1	96.3	96.2	70	80	84	NU222	6318	53.24	416820-36	99
200	149	1190	449T	ECR44206TR-4	232	1805	884	95.6	95.9	95.8	71	80	84	NU222	6318	53.24	416820-36	-
200	149	1190	449T	ECR49206TR-4	232	1805	884	95.6	95.9	95.8	71	80	84	NU222	6318	53.24	416820-36	99

NOTES: 99 = Has F3 lead outlet hole and an arm mounted conduit box for easy F1 or F2 lead location. Contact Baldor for Layout drawing. See page 96 for Connection Diagrams. Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Shaded ratings are cast iron frames.

## Dirty Duty Motors

Baldor•Reliance Dirty Duty motors are designed for use in petro-chemical plants, mines, foundries, pulp and paper plants, waste management facilities, chemical plants, tropical climates and other processing industry applications requiring protection against corrosion caused by severe environmental operating conditions. Designed with a 416 stainless steel shaft for applications requiring additional protection from corrosive environments. Super-E Designs meet or exceed NEMA Premium® efficiency requirements with a Class F insulation system and a 1.15 service factor. All ratings meet 50°C ambient at 1.0 Service Factor.



### TEFC - Totally Enclosed Fan Cooled – 208-230/460 & 575 Volts, Three Phase, 1 - 15 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps @ High V		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		Voltage	“C” Dim.	Conn. Diag. No.
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.	DE	ODE			
<b>Foot Mounted</b>																		
1	0.75	1760	143T	EM8003T	1.5	12.1	2.97	82.1	84.8	85.5	49	62	71	6205	6203	208-230/460	12.75	CD0005
1 1/2	1.1	1765	145T	EM8004T	2.3	20.7	4.54	83.8	86.4	86.5	49	62	71	6205	6203	208-230/460	12.75	CD0005
2	1.5	1750	145T	EM8005T	2.9	25	5.95	85.1	87.1	86.5	53	66	75	6205	6203	208-230/460	12.75	CD0005
3	2.2	1755	182T	EM8006T	4.1	29.8	9.06	88.9	90.1	89.5	58	70	77	6206	6205	208-230/460	15.93	CD0005
5	3.7	1750	184T	EM8007T	6.6	45.5	15	89.8	90.3	89.5	63	73	79	6206	6205	208-230/460	15.93	CD0005
7 1/2	5.6	1770	213T	EM8008T	9.5	68	22.1	91.1	91.9	91.7	65	76	81	6307	6206	208-230/460	19.32	CD0005
10	7.5	1760	215T	EM8009T	12.2	81	29.8	92.5	92.9	91.7	71	80	83	6307	6206	208-230/460	19.32	CD0005
15	11	1765	254T	EM8010T	18.5	122.9	44.6	91.9	92.6	92.4	66	77	82	6309	6208	208-230/460	23.25	CD0005
<b>C-Face Footless</b>																		
1	0.75	1760	143TC	VEM8003T-5	1.2	9.66	2.97	81.9	84.8	85.5	49	62	71	6205	6203	575	13.25	CD0006
1 1/2	1.1	1760	145TC	VEM8004T-5	1.7	14.3	4.5	86.5	88.2	88.5	54	67	76	6205	6203	575	13.25	CD0006
2	1.5	1750	145TC	VEM8005T-5	2.3	20	5.95	85.2	87	86.5	53	66	74	6205	6203	575	13.25	CD0006

NOTES: See page 68 for Layout drawing. See page 93 for Connection Diagrams. Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Shaded ratings are cast iron frames.

## Dirty Duty Autophoretic Motors C-Face Foot Mounted

In applications where additional protection is required against corrosive and intense high-pressure washdown and marine applications Baldor’s Dirty Duty Autophoretic motors are the answer. Features include corrosion-resistant autophoretic coating on steel and cast iron components, stainless steel shaft extension, non-contact rotating labyrinth shaft seal on drive and fan ends, threaded drain ports, stainless steel plugs, gasketed and sealed conduit box, IP56 enclosure. Motors have NEMA Premium® efficiency levels, Class F insulation and a 1.15 service factor.



### TEFC - Totally Enclosed Fan Cooled 208-230/460 Volts, Three Phase, 1 - 10 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps @ High 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		
2	1.5	1755	145TC	CEWAM3558T	2.9	24.3	5.95	84.2	86.4	86.5	51	64	73	6205	6203	14.23	CD0005
3	2.2	3450	145TC	CEWAM3559T	3.6	33	4.5	87.9	88.2	86.5	81	88	92	6205	6203	14.23	CD0005
3	2.2	1760	182TC	CEWAM3611T	4.2	32	8.88	87.8	89.5	89.5	54	68	75	6206	6205	16.6	CD0005
3	2.2	1160	213TC	CEWAM3704T	4.6	34.4	13.4	87.7	89.4	89.5	49	61	68	6307	6206	19.76	CD0005
5	3.7	3450	184TC	CEWAM3613T	5.6	33.5	7.5	88.2	89.5	88.5	82	90	93	6206	6205	16.6	CD0005
5	3.7	1750	184TC	CEWAM3615T	6.7	49.1	14.9	89.7	90.3	89.5	60	72	78	6206	6205	18.1	CD0005
5	3.7	1160	215TC	CEWAM3708T	7.2	51.2	22.6	90.7	91.1	89.5	55	66	72	6307	6206	20.51	CD0005
7 1/2	5.6	3500	213TC	CEWAM3709T	8.6	77	11.4	90.5	91.3	89.5	77	85	88	6307	6206	18.63	CD0005
7 1/2	5.6	1770	213TC	CEWAM3710T	9.4	71.6	22.3	91.8	92.4	91.7	62	75	81	6307	6206	19.76	CD0005
7 1/2	5.6	1180	254TC	CEWAM22976T	11	75.8	33.2	90.3	91.6	91	51	63	70	6309	6208	23.57	CD0005
10	7.5	3450	215TC	CEWAM3711T	11.8	98	15	91.7	91.9	90.2	85	88	90	6307	6206	18.63	CD0005
10	7.5	1770	215TC	CEWAM3714T	12	103	29.5	92.1	92.4	91.7	66	79	85	6307	6206	21.26	CD0005
10	7.5	1180	256TC	CEWAM23932T	15.1	107	44.3	89.4	91.2	91	49	61	68	6309	6208	23.57	CD0180

NOTES: See page 67 for Layout drawing. See page 93 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•Reliance Washdown Duty motors deliver both reliability and energy cost savings. The standard in the food and pharmaceutical processing industries for more than 25 years, Baldor Washdown Duty motors continually raise the bar with more features to improved reliability. The improved exterior paint process makes the finish coat five times more resistant to corrosion and chipping. Mobil Polyrex® EM grease provides improved lubrication life, provides greater shear stability and superior resistance to washout, rust and corrosion. Distinctive black drain plugs make them easy to recognize and are easily removable.



## 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 @ 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			
<b>Foot Mounted</b>																			
1	0.75	1745	143T	TENV	<b>EWDM3546T</b>	1.5	13.5	3.02	83.4	85.4	85.5	53	67	76	6205	6203	E	12.12	CD0005
1 1/2	1.1	1755	145T	TENV	<b>EWDM3554T</b>	2.1	20	4.45	87	88.3	88.8	54	68	76	6205	6203	E	13.00	CD0005
2	1.5	1755	145T	TEFC	<b>EWDM3558T</b>	2.9	24.3	5.95	84.2	86.4	87.3	51	64	73	6205	6203	E	14.17	CD0005
3	2.2	1760	182T	TEFC	<b>EWDM3611T</b>	4.2	32	8.88	87.8	89.5	89.6	54	68	75	6206	6205	E	16.54	CD0005
5	3.7	1750	184T	TEFC	<b>EWDM3615T</b>	6.7	49.1	14.9	89.7	90.3	89.8	60	72	78	6206	6205	E	18.04	CD0005
7 1/2	5.6	1770	213T	TEFC	<b>EWDM3710T</b>	9.4	70.1	22.4	92.2	92.7	92.2	63	75	81	6307	6206	E1	19.04	CD0005
10	7.5	1770	215T	TEFC	<b>EWDM3714T</b>	12	103	29.5	92.1	92.4	91.8	66	79	85	6307	6206	F	20.54	CD0005
<b>C-Face Foot Mounted</b>																			
1	0.75	3450	56C	TEFC	<b>CEWDM3545</b>	1.4	9	1.5	67.8	73.5	75.1	74	81	85	6205	6203	F	12.24	CD0005
1	0.75	1745	56C	TENV	<b>CEWDM3546</b>	1.5	13.5	3	83.4	85.4	85.5	53	67	76	6205	6203	E	12.06	CD0005
1	0.75	1745	143TC	TENV	<b>CEWDM3546T</b>	1.5	13.5	3.02	83.4	85.4	85.5	53	67	76	6205	6203	E	12.12	CD0005
1	0.75	1155	56C	TEFC	<b>CEWDM3556</b>	1.8	10.8	4.51	79.4	82.3	82.7	43	55	64	6205	6203	E	13.24	CD0005
1 1/2	1.1	3500	56C	TENV	<b>CEWDM3550</b>	2	23.5	2.3	82.5	85.2	86.1	71	81	87	6205	6203	E	12.06	CD0005
1 1/2	1.1	1755	145TC	TENV	<b>CEWDM3554T</b>	2.1	20	4.45	87	88.3	88.8	54	68	76	6205	6203	E	13.00	CD0005
2	1.5	3490	56HCY	TEFC	<b>CEWDM3555</b>	2.5	25.9	2.98	83.5	85.9	86.4	75	84	88	6205	6203	E	13.24	CD0005
2	1.5	3490	145TC	TEFC	<b>CEWDM3555T</b>	2.5	25.9	2.98	83.5	85.9	86.4	75	84	88	6205	6203	E	13.28	CD0005
2	1.5	1755	145TC	TEFC	<b>CEWDM3558T</b>	2.9	24.3	5.95	84.2	86.4	87.3	51	64	73	6205	6203	E	14.16	CD0005
2	1.5	1750	145TC	TENV	<b>CEWDM3558T</b>	2.7	25	5.95	88.5	89.5	89.1	60	72	80	6205	6203	E	14.37	CD0005
2	1.5	1175	184TC	TEFC	<b>CEWDM3614T</b>	3.5	27.5	8.91	85.3	88.0	88.9	40	52	60	6206	6205	E	18.04	CD0005
3	2.2	3450	145TC	TEFC	<b>CEWDM3559T</b>	3.5	39.2	4.59	87.7	88.3	87.6	81	88	92	6205	6203	F	15.55	CD0005
3	2.2	3450	182TC	TEFC	<b>CEWDM3610T</b>	3.6	33.1	4.61	87.9	88.2	87.2	81	88	92	6206	6203	E	15.18	CD0005
3	2.2	1760	182TC	TEFC	<b>CEWDM3611T</b>	4.2	32	8.88	87.8	89.5	89.6	54	68	75	6206	6205	E	16.54	CD0005
3	2.2	1160	213TC	TEFC	<b>CEWDM3704T</b>	4.6	34.4	13.4	87.7	89.4	89.5	49	61	68	6307	6206	E	19.78	CD0005
5	3.7	3450	184TC	TEFC	<b>CEWDM3613T</b>	5.9	57.2	7.64	88.4	89.1	88.3	81	88	91	6206	6205	E	16.54	CD0005
5	3.7	1750	184TC	TEFC	<b>CEWDM3615T</b>	6.7	49.1	14.9	89.7	90.3	89.8	60	72	78	6206	6205	E	18.04	CD0005
5	3.7	1160	215TC	TEFC	<b>CEWDM3708T</b>	7.3	51.6	22.7	89.8	90.4	89.7	55	66	73	6307	6206	E	20.53	CD0005
7 1/2	5.6	3450	184TC	TEFC	<b>CEWDM3616T</b>	8.4	91	11.4	90.6	90.7	89.8	85	90	93	6206	6205	E	18.04	CD0005
7 1/2	5.6	3520	213TC	TEFC	<b>CEWDM3709T</b>	9	68.4	11.2	88.8	90.5	90.6	69	79	84	6307	6206	E	18.64	CD0005
7 1/2	5.6	1770	213TC	TEFC	<b>CEWDM3710T</b>	9.4	70.1	22.4	92.2	92.7	92.2	63	75	81	6307	6206	E1	19.78	CD0005
7 1/2	5.6	1180	254TC	TEFC	<b>CEWDM22976T</b>	11	75.8	33.2	90.3	91.6	91.3	51	63	70	6309	6208	E	23.57	CD0005
10	7.5	3490	215TC	TEFC	<b>CEWDM3711T</b>	11.8	78.5	15	91	91.3	90.8	74	84	87	6307	6206	E	18.64	CD0005
10	7.5	1770	215TC	TEFC	<b>CEWDM3714T</b>	12	103	29.5	92.1	92.4	91.8	66	79	85	6307	6206	F	21.27	CD0005
10	7.5	1180	256TC	TEFC	<b>CEWDM23932T</b>	15.1	107	44.3	89.4	91.2	91.4	49	61	68	6309	6208	E	23.57	CD0180
15	11	3500	215TC	TEFC	<b>CEWDM3713T</b>	17	150	22.1	91.5	92.2	91.8	77	85	88	6307	6206	E	21.26	CD0180
15	11	3500	254TC	TEFC	<b>CEWDM23994T</b>	16.6	161	22.5	91.5	91.8	91.2	87	92	93	6309	6206	E1	21.94	CD0005
15	11	1765	254TC	TEFC	<b>CEWDM23933T</b>	18	125	45	92.1	93	92.8	71	81	86	6309	6208	F	23.57	CD0005
20	15	3520	256TC	TEFC	<b>CEWDM41906T</b>	22.5	165.7	29.8	92.5	93	92.5	79	86	90	6309	6208	F	23.57	CD0005
20	15	1765	256TC	TEFC	<b>CEWDM23934T</b>	24	171	60	92.9	93.5	93.2	67	79	84	6309	6208	E	23.57	CD0180

**NOTE:** Volt Code: E = 208-230/460V, 60Hz; E1 = 230/460V, 60Hz, usable at 208V; F = 230/460V, 60 Hz  
See page 82 for Layout drawing. See page 93 for Connection Diagrams.  
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

**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 @ 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			
<b>C-Face Footless</b>																			
1	0.75	1750	56C	TENV	<b>VEWDM3546</b>	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	<b>VEWDM3546T</b>	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	<b>VEFWDM3546T</b>	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	<b>VEWDM3554</b>	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	<b>VEWDM3554T</b>	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	<b>VEFWDM3554T</b>	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	<b>VEWDM3558</b>	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	<b>VEWDM3558T</b>	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	<b>VEWDM3611T</b>	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	<b>VEWDM3615T</b>	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	<b>VEWDM3710T</b>	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	<b>VEWDM3714T</b>	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  
See page 82 for Layout drawing. See page 93 for Connection Diagrams.  
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

**575 Volt Washdown Duty 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 @ High V		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	<b>CEWDM3546-5</b>	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	<b>CEWDM3554T-5</b>	1.6	14	4.5	86.1	87.4	86.5	60	73	83	6205	6203	13	CD0006
2	1.5	1800	145TC	TEFC	<b>CEWDM3558T-5</b>	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	<b>CEWDM3611T-5</b>	3.1	25.6	9	89.1	90	89.5	58	71	77	6206	6205	16.54	CD0006
5	3.7	1800	184TC	TEFC	<b>CEWDM3615T-5</b>	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	<b>CEWDM3710T-5</b>	8.2	58	22	90.5	91.7	91.7	56	68	76	6206	6205	19.78	CD0006
10	7.5	1800	215TC	TEFC	<b>CEWDM3714T-5</b>	10.1	67	30	91.7	92.4	91.7	62	75	81	6206	6205	21.27	CD0006
15	11.2	1800	254TC	TEFC	<b>CEWDM23933T-5</b>	14.5	101	45	92	92.9	92.4	73	84	84	6206	6205	23.57	CD0006
20	14.9	1800	256TC	TEFC	<b>CEWDM23934T-5</b>	19	134	60	93	93.5	93	75	83	84	6206	6205	23.57	CD0006

**NOTE:** See page 82 for Layout drawing. See page 93 for Connection Diagrams.  
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

## Super White Washdown Duty Motors

The new Super White Washdown Duty motors incorporate all of the great features of Baldor's white washdown duty motors. This includes improved exterior paint, 300 series stainless steel shaft, hardware and nameplate, easily removable drain plugs, neoprene gaskets and sealers. Additionally, this new line of motors includes a labyrinth seal on each end of motor, same size bearings on each end, and enhanced sealing around the lead exit. Super-E® with NEMA Premium® efficiency and 3-year warranty.



### TEFC - Totally Enclosed Fan Cooled C-Face Foot Mounted, 230/460 Volts, Three Phase, 1 - 20 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			
1	0.75	3450	56C	TEFC	CEWWDM3545	1.4	9	1.5	67.8	73.5	75.1	74	81	85	6205	6205	F	12.35	CD0005
1	0.75	1745	56C	TEFC	CEFWWDM3546	1.5	12.1	2.97	82.1	84.8	85.6	49	62	71	6205	6205	E	12.35	CD0005
1	0.75	1745	143TC	TEFC	CEFWWDM3546T	1.5	12.1	2.97	82.1	84.8	85.6	49	62	71	6205	6205	E	13.28	CD0005
1 1/2	1.1	3500	56C	TEFC	CEFWWDM3550	2	23.5	2.3	82.5	85.2	86.1	71	81	87	6205	6205	E	13.32	CD0005
1 1/2	1.1	1755	145TC	TEFC	CEFWWDM3554T	2.2	18.3	4.47	84.5	86.8	87.1	51	65	73	6205	6205	E	13.28	CD0005
2	1.5	3490	56HCY	TEFC	CEWWDM3555	2.5	25.9	2.98	83.5	85.9	86.4	75	84	88	6205	6205	E	13.32	CD0005
2	1.5	3490	145TC	TEFC	CEWWDM3555T	2.5	25.9	2.98	83.5	85.9	86.4	75	84	88	6205	6205	E	13.28	CD0005
2	1.5	1755	145TC	TEFC	CEWWDM3558T	2.9	24.3	5.95	84.2	86.4	87.3	51	64	73	6205	6205	E	14.17	CD0005
3	2.2	3450	145TC	TEFC	CEWWDM3559T	3.5	39.2	4.59	87.7	88.3	87.6	81	88	92	6205	6205	F	15.55	CD0005
3	2.2	3450	182TC	TEFC	CEWWDM3610T	3.6	33.1	4.61	87.9	88.2	88.5	81	88	92	6206	6206	E	16.54	CD0005
3	2.2	1760	182TC	TEFC	CEWWDM3611T	4.2	32	8.88	87.8	89.5	89.6	54	68	75	6206	6206	E	16.54	CD0005
5	3.7	3450	184TC	TEFC	CEWWDM3613T	5.9	57.2	7.64	88.4	89.1	88.3	81	88	91	6206	6206	E	16.54	CD0005
5	3.7	1750	184TC	TEFC	CEWWDM3615T	6.7	49.1	14.9	89.7	90.3	89.8	60	72	78	6206	6206	E	18.04	CD0005
7 1/2	5.6	3450	184TC	TEFC	CEWWDM3616T	8.4	91	11.4	90.6	90.7	89.8	85	90	93	6206	6206	E	18.04	CD0005
7 1/2	5.6	3520	213TC	TEFC	CEWWDM3709T	9	68.4	10.9	88.8	90.5	90.6	69	79	84	6307	6307	E	18.64	CD0005
7 1/2	5.6	1770	213TC	TEFC	CEWWDM3710T	9.4	70.1	22.4	92.2	92.7	92.2	63	75	81	6307	6307	E1	19.78	CD0005
10	7.5	3490	215TC	TEFC	CEWWDM3711T	11.8	78.5	15	91	91.3	90.8	74	84	87	6307	6307	E	18.64	CD0005
10	7.5	1770	215TC	TEFC	CEWWDM3714T	12	103	29.5	92.1	92.4	91.7	66	79	85	6307	6307	F	21.27	CD0005
15	11	3500	215TC	TEFC	CEWWDM3713T	17	150	22.1	91.5	92.2	91.8	77	85	88	6307	6307	E	21.26	CD0180
15	11	3500	254TC	TEFC	CEWWDM23994T	16.7	135	22.1	91.1	92	91.7	80	87	90	6309	6309	F	23.57	CD0005
15	11	1765	254TC	TEFC	CEWWDM23933T	18	125	45	92.1	93	92.8	71	81	86	6309	6309	F	23.57	CD0005
20	15	3520	256TC	TEFC	CEWWDM41906T	22.5	165.7	29.8	92.5	93	92.5	79	86	90	6309	6309	F	23.57	CD0005
20	15	1765	256TC	TEFC	CEWWDM23934T	24	171	60	92.9	93.5	93.2	67	79	84	6309	6309	E	23.57	CD0180

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

See page 82 for Layout drawing. See page 93 for Connection Diagrams.

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

# Stainless Super-E® SSE Washdown Duty Motor

Condensation drain holes with stainless screw-in plugs allow for thorough drainage in any mounting position.

Nameplate data laser etched on the motor frame eliminates contamination trapped beneath traditional bolt-on nameplates.

Inverter spike resistant Class H insulation system allows operation on adjustable speed drives to further increase efficiency on fans, pumps and process control applications.

E3 Effusion Epoxy Encapsulation™ process prevents any moisture from reaching the windings and seals the lead entrance to the conduit box.

Precision die cast aluminum rotor – Precision balanced and coated with an epoxy primer to resist corrosion.

Premium external and internal bearing protection on each end of motor.

Bi-directional cooling fan designed for low friction and windage losses

Lipped conduit box lid prevents water from entering.

Neoprene rubber gasket on conduit box – Ensures a tight, waterproof seal.

Conduit box is welded to the frame to provide a leak-proof seal.

Silicone injected wire nuts provided for connection.

Neoprene o-rings seal frame to endplate joint and prevent water entry.

Four face drain holes – Multiple drain holes allows for drainage of c-face in any position.

Multiple foot mounting holes – Makes motor change-out easy.



Fully welded foot – No crevices around motor feet eliminates potential for contamination buildup.



Super-E design with NEMA Premium® efficiency for low electricity use.

All stainless steel construction including shaft, housing, conduit box and cover, base, fan cover and endplates. Impervious to rust and deterioration caused by high pressure caustic sanitizing. Provides longer trouble-free life than conventional motors.



# SSE™ Super-E® Encapsulated Stainless Motors



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 Stainless Super-E® encapsulated 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 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, 1/2 - 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. Dia. No.
						Full Load	Locked Rotor		1/2	3/4	FL	1/2	3/4	FL	DE	ODE			
<b>Foot Mounted, F1 Mounting</b>																			
1/2	0.37	3500	56C	TENV	CSSEWDM3537	0.7	7.4	0.76	80.4	83.7	84.8	59	72	80	6205	6205	E	11.75	CD0005
1/2	0.37	1765	56C	TENV	CSSEWDM3538	0.9	7.5	1.49	77.9	81.9	83.6	41	54	64	6205	6205	E1	11.75	CD0005
1/2	0.37	1155	56C	TENV	CSSEWDM3539	0.9	4.9	2.14	71.7	76.6	77.3	40	54	63	6205	6205	E	11.75	CD0005
3/4	0.56	3500	56C	TENV	CSSEWDM3541	1	10.4	1.13	85	86.8	86.8	67	79	85	6205	6205	E	11.75	CD0005
3/4	0.56	1760	56C	TENV	CSSEWDM3542	1.3	10.7	2.25	79.1	82.7	84.0	43	55	65	6205	6205	E	12.75	CD0005
3/4	0.56	1160	56C	TENV	CSSEWDM3543	1.3	9	3.4	78.6	82.0	82.8	43	56	64	6205	6205	E	13.63	CD0005
1	0.75	3450	56C	TENV	CSSEWDM3545	1.4	18.3	1.5	76.8	81.5	83.3	61	73	80	6205	6205	E	12.75	CD0005
1	0.75	1760	56C	TENV	CSSEWDM3546	1.5	15	2.98	84.4	87.2	87.8	49	63	72	6205	6205	E	12.75	CD0005
1	0.75	1760	143TC	TENV	CSSEWDM3546T	1.5	15	2.98	84.4	87.2	87.8	49	63	72	6205	6205	E	12.80	CD0005
1	0.75	1155	56C	TEFC	CSSEWDM3556	1.7	10.5	4.53	80.7	83.6	84.0	45	58	65	6205	6205	E	16.13	CD0005
1 1/2	1.1	3500	56C	TENV	CSSEWDM3550	1.8	20.6	2.31	82.3	85.2	86.1	77	86	92	6205	6205	E	13.63	CD0005
1 1/2	1.1	3500	143TC	TENV	CSSEWDM3550T	1.8	20.6	2.31	82.3	85.2	86.1	77	86	92	6205	6205	E	13.61	CD0005
1 1/2	1.1	1765	56C	TEFC	CSSEWDM3554	2.2	20	4.49	86	88.2	88.6	52	66	74	6205	6205	F	14.75	CD0005
1 1/2	1.1	1765	145TC	TEFC	CSSEWDM3554T	2.2	20	4.49	86	88.2	88.6	52	66	74	6205	6205	F	14.81	CD0005
2	1.5	3500	56C	TEFC	CSSEWDM3555	2.5	31	3	83.7	86	86.6	76	85	90	6205	6205	E	14.75	CD0005
2	1.5	3500	145TC	TEFC	CSSEWDM3555T	2.5	31	3	83.7	86	86.6	76	85	90	6205	6205	E	14.81	CD0005
2	1.5	1755	56C	TEFC	CSSEWDM3558	2.7	24.1	5.99	87.3	88.7	88.8	55	69	77	6205	6205	E	16.13	CD0005
2	1.5	1755	145TC	TEFC	CSSEWDM3558T	2.7	24.1	5.99	87.3	88.7	88.8	55	69	77	6205	6205	E	16.19	CD0005
2	1.5	1175	184TC	TEFC	CSSEWDM3614T	3.5	26	8.95	85.2	87.7	88.5	41	53	61	6206	6206	E1	19.25	CD0005
3	2.2	3470	145TC	TEFC	CSSEWDM3559T	3.7	48.3	4.5	86.3	87.2	86.9	79	87	91	6205	6205	E	16.19	CD0005
3	2.2	1760	182TC	TEFC	CSSEWDM3611T	4.2	34.1	9.04	88.1	89.6	89.7	56	69	76	6206	6206	F	19.25	CD0005
5	3.7	3500	184TC	TEFC	CSSEWDM3613T	5.6	62.5	7.5	89	90	89.6	83	89	93	6206	6206	E	17.75	CD0005
5	3.7	1750	184TC	TEFC	CSSEWDM3615T	6.5	48.3	15.2	90.5	90.7	89.8	64	75	81	6206	6206	E	19.25	CD0005
7 1/2	5.6	3500	213TC	TEFC	CSSEWDM3709T	8.3	87	11.5	90.9	92.1	91.9	79	90	93	6307	6307	E	20.43	CD0005
7 1/2	5.6	1770	213TC	TEFC	CSSEWDM3710T	9.5	73	22.3	91.6	92.2	91.9	65	75	81	6307	6307	E1	21.62	CD0005
10	7.5	3500	215TC	TEFC	CSSEWDM3711T	10.6	115	15	92	92.4	91.8	83	91	94	6307	6307	E	21.62	CD0005
10	7.5	1770	215TC	TEFC	CSSEWDM3714T	12.5	105.2	29.9	92.5	93.1	92.8	65	76	81	6307	6307	E	23.06	CD0180
<b>Foot Mounted, F2 Mounting</b>																			
1	0.75	1760	143TC	TENV	CSSEWDFM3546T	1.5	15	2.98	84.4	87.2	87.8	49	63	72	6205	6205	E	12.80	CD0005
1 1/2	1.1	1765	145TC	TEFC	CSSEWDFM3554T	2.2	20	4.49	86	88.2	88.6	52	66	74	6205	6205	F	14.81	CD0005
2	1.5	1755	145TC	TEFC	CSSEWDFM3558T	2.7	24.1	5.99	87.3	88.7	88.8	55	69	77	6205	6205	E	16.19	CD0005
3	2.2	1760	182TC	TEFC	CSSEWDFM3611T	4.2	34.1	9.04	88.1	89.6	89.7	56	69	76	6206	6206	F	19.25	CD0005
5	3.7	1750	184TC	TEFC	CSSEWDFM3615T	6.5	48.3	15.2	90.5	90.7	89.8	64	75	81	6206	6206	E	19.25	CD0005

**NOTE:** Volt Code: E = 208-230/460V, 60Hz; E1 = 230/460V, 60Hz, usable at 208V; F = 230/460V, 60 Hz.  
See page 82 for Layout drawing. See page 93 for Connection Diagrams.  
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

# SSE™ Super-E® Encapsulated Stainless Motors

continued...



## TEFC - Totally Enclosed Fan Cooled, TENV - Totally Enclosed Non-Ventilated 230/460 Volts, Three Phase, 1/2 - 2 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			
<b>C-Face Footless</b>																			
1/2	0.37	3500	56C	TENV	VSSEWDM3537	0.7	7.4	0.76	80.4	83.7	84.8	59	72	80	6205	6205	E	11.75	CD0005
1/2	0.37	1765	56C	TEFC	VSSEFWDM3538	0.9	7.5	1.49	77.6	81.5	83.8	41	53	63	6205	6205	E	12.88	CD0005
1/2	0.37	1765	56C	TENV	VSSEWDM3538	0.9	7.5	1.49	77.9	81.9	83.6	41	54	64	6205	6205	E1	11.75	CD0005
3/4	0.56	3500	56C	TENV	VSSEWDM3541	1	10.4	1.13	85	86.8	86.8	67	79	85	6205	6205	E	11.75	CD0005
3/4	0.56	1760	56C	TEFC	VSSEFWDM3542	1.3	10.7	2.25	78.6	82.5	84.1	43	55	65	6205	6205	F	13.88	CD0005
3/4	0.56	1760	56C	TENV	VSSEWDM3542	1.3	10.7	2.25	79.1	82.7	84	43	55	65	6205	6205	E	12.75	CD0005
3/4	0.56	1160	56C	TENV	VSSEWDM3543	1.3	9	3.4	78.6	82.0	82.8	43	56	64	6205	6205	E	13.63	CD0005
1	0.75	3450	56C	TENV	VSSEWDM3545	1.4	18.3	1.5	76.8	81.5	83.3	61	73	80	6205	6205	E	12.75	CD0005
1	0.75	1760	56C	TEFC	VSSEFWDM3546	1.5	15	2.98	84	86.7	87.6	50	63	72	6205	6205	E1	13.88	CD0005
1	0.75	1760	143TC	TEFC	VSSEFWDM3546T	1.5	15	2.98	84	86.7	87.6	50	63	72	6205	6205	E1	13.94	CD0005
1	0.75	1760	56C	TENV	VSSEWDM3546	1.5	15	2.98	84.4	87.2	87.8	49	63	72	6205	6205	E	12.75	CD0005
1	0.75	1760	143TC	TENV	VSSEWDM3546T	1.5	15	2.98	84.4	87.2	87.8	49	63	72	6205	6205	E	12.80	CD0005
1	0.75	1155	56C	TEFC	VSSEWDM3556	1.7	10.5	4.53	80.7	83.6	84	45	58	65	6205	6205	E	16.13	CD0005
1 1/2	1.1	3500	56C	TENV	VSSEWDM3550	1.8	20.6	2.31	82.3	85.2	86.1	77	86	92	6205	6205	E	13.63	CD0005
1 1/2	1.1	3500	143TC	TENV	VSSEWDM3550T	1.8	20.6	2.31	82.3	85.2	86.1	77	86	92	6205	6205	E	13.61	CD0005
1 1/2	1.1	1765	56C	TEFC	VSSEWDM3554	2.2	20	4.49	86	88.2	88.6	52	66	74	6205	6205	E1	14.75	CD0005
1 1/2	1.1	1765	145TC	TEFC	VSSEWDM3554T	2.2	20	4.49	86	88.2	88.6	52	66	74	6205	6205	E1	14.81	CD0005
2	1.5	3500	145TC	TEFC	VSSEWDM3555T	2.5	31	3	83.7	86	86.6	76	85	90	6205	6205	E	14.81	CD0005
2	1.5	1755	56C	TEFC	VSSEWDM3558	2.7	24.1	5.99	87.3	88.7	88.8	55	69	77	6205	6205	E	16.13	CD0005
2	1.5	1755	145TC	TEFC	VSSEWDM3558T	2.7	24.1	5.99	87.3	88.7	88.8	55	69	77	6205	6205	E	16.19	CD0005

**NOTE:** Volt Code: E = 208-230/460V, 60Hz; E1 = 230/460V, 60Hz, usable at 208V; F = 230/460V, 60 Hz.  
See page 82 for Layout drawing. See page 93 for Connection Diagrams. Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

## Stainless Steel Washdown Duty Motors

In applications where additional protection is required against highly corrosive environments, Baldor's Stainless Steel 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, 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, TENV - Totally Enclosed Non-Ventilated 230/460 & 575 Volts, Three Phase, 1 - 20 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			
<b>230/460 Volt, C-Face, Foot Mounted</b>																			
1	0.75	1760	143TC	TEFC	CESSWDM3546T	1.5	15	2.98	83.5	86.5	87.3	47	61	70	6205	6203	E	13.42	CD0005
1 1/2	1.1	3500	56C	TENV	CESSWDM3550	1.8	20.6	2.31	82.3	85.2	86.1	77	86	92	6205	6203	E	12.97	CD0005
1 1/2	1.1	3500	143TC	TENV	CESSWDM3550T	1.8	20.6	2.31	82.3	85.2	86.1	77	86	92	6205	6203	E	13.23	CD0005
1 1/2	1.1	1760	145TC	TEFC	CESSWDM3554T	2.1	18.6	4.46	85.8	87.7	87.8	53	66	74	6205	6203	E	13.42	CD0005
2	1.5	3500	145TC	TEFC	CESSWDM3555T	2.5	31	3	83.8	86	86.6	71	82	86	6205	6203	E	14.30	CD0005
2	1.5	1755	145TC	TEFC	CESSWDM3558T	2.8	25.9	5.91	86.8	88.3	88.5	55	67	76	6205	6203	E	15.67	CD0005
3	2.2	3470	145TC	TEFC	CESSWDM3559T	3.7	48.3	4.5	86.4	87.3	86.9	79	87	90	6205	6203	E	15.67	CD0005
3	2.2	3500	182TC	TEFC	CESSWDM3610T	3.7	42	4.55	87.9	89.3	89.2	72	83	87	6206	6205	E	16.82	CD0005
3	2.2	1760	182TC	TEFC	CESSWDM3611T	4.2	34.1	9.04	88.3	89.7	89.7	56	69	76	6206	6205	E1	18.32	CD0005

**NOTE:** Volt Code: E1 = 230/460V, 60Hz, usable at 208V; F = 230/460 volts, 60 Hz.  
See page 82 for Layout drawing. See page 93 for Connection Diagrams.  
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

**TEFC - Totally Enclosed Fan Cooled, TENV - Totally Enclosed Non-Ventilated  
230/460 & 575 Volts, Three Phase, 1 - 20 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			
<b>230/460 Volt, C-Face, Foot Mounted (continued)</b>																			
5	3.7	3480	184TC	TEFC	CESSWDM3613T	5.7	69.6	7.55	88.9	90.4	90.4	76	87	91	6206	6205	E1	18.32	CD0005
5	3.7	1750	184TC	TEFC	CESSWDM3615T	6.5	48.3	15	90.3	90.6	89.8	64	75	81	6206	6205	F	18.32	CD0005
7 1/2	5.6	3500	213TC	TEFC	CESSWDM3709T	8.3	87	11.5	90.9	92.2	91.9	86	90	95	6307	6206	E1	19.03	CD0005
7 1/2	5.6	1770	213TC	TEFC	CESSWDM3710T	9.5	73	22.3	91.6	92.2	91.9	65	75	81	6307	6206	F	20.16	CD0005
10	7.5	3500	215TC	TEFC	CESSWDM3711T	10.6	115	15	92	92.4	91.8	83	91	94	6307	6206	E	20.16	CD0005
10	7.5	1770	215TC	TEFC	CESSWDM3714T	12.5	105	29.9	92.6	93.3	93	65	76	81	6307	6206	E1	21.66	CD0005
15	11	3520	254TC	TEFC	CESSWDM23994T	16.5	145	22.1	89.6	91.1	91.3	84	90	92	6309	6208	E	24.67	CD0005
15	11	1765	254TC	TEFC	CESSWDM23933T	17.7	126	44.6	91.3	92.5	92.7	71	81	86	6309	6208	E1	24.67	CD0005
20	15	3525	256TC	TEFC	CESSWDM41906T	21.5	152	29.6	93.5	93.3	92.5	88	92	93	6309	6208	F	24.67	CD0005
20	15	1765	256TC	TEFC	CESSWDM23934T	23.4	162	59.3	92.9	93.4	93	75	83	86	6309	6208	F	24.67	CD0180
<b>575 Volt, C-Face, Foot Mounted</b>																			
1	0.75	1765	143TC	TEFC	CESSWDM3546T-5	1.3	12.2	3	83.4	86.4	87.9	47	60	70	6205	6203	H	13.42	CD0006
1 1/2	1.1	1760	145TC	TEFC	CESSWDM3554T-5	1.7	14.9	4.46	85.9	87.6	87.7	52	66	74	6205	6203	H	13.42	CD0006
2	1.5	1755	145TC	TEFC	CESSWDM3558T-5	2.2	20.4	5.91	87	88.1	88.5	56	68	76	6205	6203	H	15.67	CD0006

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

See page 82 for Layout drawing. See page 93 for Connection Diagrams. Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

**Paint Free Washdown Duty Motors**

Baldor•Reliance "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; and a labyrinth seal on the drive end shaft extension to protect motor bearings by rotating and expelling contaminants.



**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			
<b>230/460 Volt, C-Face, Foot Mounted</b>																			
1	0.75	1760	143TC	TEFC	CESSWDM3546T	1.5	15	2.98	83.5	86.5	87.3	47	61	70	6205	6203	E	13.42	CD0005
1 1/2	1.1	3500	56C	TENV	CESSWDM3550	1.8	20.6	2.31	82.3	85.2	86.1	77	86	92	6205	6203	E	12.97	CD0005
1 1/2	1.1	3500	143TC	TENV	CESSWDM3550T	1.8	20.6	2.31	82.3	85.2	86.1	77	86	92	6205	6203	E	13.23	CD0005
1 1/2	1.1	1760	145TC	TEFC	CESSWDM3554T	2.1	18.6	4.46	85.8	87.7	87.8	53	66	74	6205	6203	E	13.42	CD0005
2	1.5	3500	145TC	TEFC	CESSWDM3555T	2.5	31	3	83.8	86	86.6	71	82	86	6205	6203	E	14.30	CD0005
2	1.5	1755	145TC	TEFC	CESSWDM3558T	2.8	25.9	5.91	86.8	88.3	88.5	55	67	76	6205	6203	E	15.67	CD0005
3	2.2	3470	145TC	TEFC	CESSWDM3559T	3.7	48.3	4.5	86.4	87.3	86.9	79	87	90	6205	6203	E	15.67	CD0005
3	2.2	3500	182TC	TEFC	CESSWDM3610T	3.7	42	4.55	87.9	89.3	89.2	72	83	87	6206	6205	E	16.82	CD0005
3	2.2	1760	182TC	TEFC	CESSWDM3611T	4.2	34.1	9.04	88.3	89.7	89.7	56	69	76	6206	6205	E1	18.32	CD0005
5	3.7	3480	184TC	TEFC	CESSWDM3613T	5.7	69.6	7.55	88.9	90.4	90.4	76	87	91	6206	6205	E1	18.32	CD0005
5	3.7	1750	184TC	TEFC	CESSWDM3615T	6.5	48.3	15	90.3	90.6	89.8	64	75	81	6206	6205	F	18.32	CD0005
7 1/2	5.6	3500	213TC	TEFC	CESSWDM3709T	8.3	87	11.5	90.9	92.2	91.9	86	90	95	6307	6206	E1	19.03	CD0005
7 1/2	5.6	1770	213TC	TEFC	CESSWDM3710T	9.5	73	22.3	91.6	92.2	91.9	65	75	81	6307	6206	F	20.16	CD0005
10	7.5	3500	215TC	TEFC	CESSWDM3711T	10.6	115	15	92	92.4	91.8	83	91	94	6307	6206	E	20.16	CD0005
10	7.5	1770	215TC	TEFC	CESSWDM3714T	12.5	105	29.9	92.6	93.3	93	65	76	81	6307	6206	E1	21.66	CD0005
15	11	3520	254TC	TEFC	CESSWDM23994T	16.5	145	22.1	89.6	91.1	91.3	84	90	92	6309	6208	E	24.67	CD0005
15	11	1765	254TC	TEFC	CESSWDM23933T	17.7	126	44.6	91.3	92.5	92.7	71	81	86	6309	6208	E1	24.67	CD0005
20	15	3525	256TC	TEFC	CESSWDM41906T	21.5	152	29.6	93.5	93.3	92.5	88	92	93	6309	6208	F	24.67	CD0005
20	15	1765	256TC	TEFC	CESSWDM23934T	23.4	162	59.3	92.9	93.4	93	75	83	86	6309	6208	F	24.67	CD0180
<b>575 Volt, C-Face, Foot Mounted</b>																			
1	0.75	1765	143TC	TEFC	CESSWDM3546T-5	1.3	12.2	3	83.4	86.4	87.9	47	60	70	6205	6203	H	13.42	CD0006
1 1/2	1.1	1760	145TC	TEFC	CESSWDM3554T-5	1.7	14.9	4.46	85.9	87.6	87.7	52	66	74	6205	6203	H	13.42	CD0006
2	1.5	1755	145TC	TEFC	CESSWDM3558T-5	2.2	20.4	5.91	87	88.1	88.5	56	68	76	6205	6203	H	15.67	CD0006
2	1.5	1725	145TC	TEFC	CESSWDM3558T	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 82 for Layout drawing. See page 93 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



These motors are ideal for a wide variety of applications where hazardous fumes or dust may be present. NEMA Premium designs available from stock in 1 hp through 200 hp, in NEMA frames 143T through 449T. U.L. and CSA approved for Division 1, Class I, Group D; Class I, Group D, Class II, Group F & G; Class I, Group C & D, Class II, Group F & G. 1.0 Service Factor.

## TEFC - Totally Enclosed Fan Cooled Foot Mounted, 230/460 Volts & 575 Volts, Three Phase, 1 - 200 Hp

Hp	kW	RPM	Frame	Catalog No.	XP Cls/ Grp	XP Temp. Code	Amps @ High V		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Voltage	"C" Dim.	Conn. Diag. No.	Notes
							Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load				
<b>230/460 Volt</b>																			
1	0.75	1760	143T	EM7014T	②	T3C	1.5	12.1	2.97	81.9	84.8	85.5	49	62	71	230/460	15.23	CD0005	19
1	0.75	1760	143T	EM7114T	②	T3C	1.5	12.1	2.97	81.9	84.8	85.5	49	62	71	230/460	16.28	CD0005	19
1	0.75	1760	143T	EM7114T-C	⑤	T4	1.5	12.1	2.97	81.9	84.8	85.5	49	62	70	230/460	16.28	CD0005	19
1	0.75	1155	145T	EM7032T	②	T3C	1.8	10.8	4.51	79.4	82.3	82.5	43	55	64	230/460	17.48	CD0005	19
1 1/2	1.1	3500	143T	EM7018T	②	T3C	1.9	17.9	2.22	82	84.6	84	67	79	85	230/460	14.36	CD0005	19
1 1/2	1.1	18760	145T	EM7034T	②	T3C	2.2	18.3	4.47	84.5	86.9	86.5	51	65	73	230/460	16.1	CD0005	19
1 1/2	1.1	1765	145T	EM7134T	②	T3C	2.3	20.7	4.54	83.8	86.4	86.5	49	62	71	208-230/460	16.28	CD0005	-
1 1/2	1.1	1765	145T	EM7134T-C	⑤	T4	2.3	20.7	4.54	83.8	86.4	86.5	49	62	76	208-230/460	16.28	CD0005	-
1 1/2	1.1	1170	182T	EM7020T	②	T3C	2.6	14.7	6.8	86	88.3	87.5	42	53	61	230/460	17.42	CD0005	19
1 1/2	1.1	1170	182T	EM7120T	②	T3C	2.6	14.7	6.8	86	88.3	87.5	42	53	0	230/460	18.24	CD0005	19
2	1.5	3490	143T	EM7071T	②	T3C	2.5	25.9	2.98	83.5	85.9	85.5	75	84	88	230/460	16.1	CD0005	19
2	1.5	1755	145T	EM7037T	②	T3C	2.9	24.3	5.95	84	86.5	86.5	51	64	73	230/460	16.1	CD0005	19
2	1.5	1750	145T	EM7137T	②	T3C	2.9	25	5.95	85.1	87.1	86.5	53	66	75	230/460	16.28	CD0005	19
2	1.5	1750	145T	EM7137T-C	⑤	T3C	2.9	25	5.95	85.1	87.1	86.5	53	66	75	208-230/460	16.28	CD0005	-
2	1.5	1170	184T	EM7041T	②	T3C	3.5	20.9	9	86.7	88.6	88.5	41	52	61	230/460	18.92	CD0005	19
3	2.2	3450	145T	EM7075T	①	T3C	3.6	33	4.5	87.9	88.2	86.5	81	88	92	230/460	17.48	CD0005	-
3	2.2	3450	182T	EM7026T	②	T3C	3.7	33.3	4.7	86.2	87.3	86.5	82	88	91	230/460	16.05	CD0005	19
3	2.2	3460	182T	EM7126T	②	T3C	3.8	30.9	4.73	86.5	87.4	86.5	76	84	87	230/460	17.56	CD0005	19
3	2.2	1760	182T	EM7042T	②	T3C	4.2	30.8	7.1	86	88.5	89.5	49	62	75	230/460	18.92	CD0005	19
3	2.2	1755	182T	EM7142T	②	T3C	4.1	29.8	9.06	88.9	90.1	89.5	58	70	77	230/460	17.56	CD0005	19
3	2.2	1760	182T	EM7142T-C	⑤	T4	4	31.69	8.93	89	90	89.5	62	73	80	230/460	17.56	CD0005	19
3	2.2	1160	213T	EM7036T	②	T3C	4.6	34.4	13.4	87.7	89.4	89.5	49	61	68	230/460	20.32	CD0005	19
5	3.7	3450	184T	EM7072T	②	T3C	5.9	57.2	7.67	88.9	89.4	88.5	81	88	91	230/460	18.12	CD0005	19
5	3.7	3475	184T	EM7172T	②	T3C	6.3	51.7	7.5	87.8	89	88.5	64	77	84	230/460	17.56	CD0005	19
5	3.7	1750	184T	EM7044T	②	T3C	6.7	49.1	14.9	89.7	90.3	89.5	60	72	78	230/460	18.92	CD0005	19
5	3.7	1750	184T	EM7144T	②	T3C	6	45.5	15	89.6	89.6	89.5	62	74	79	230/460	17.56	CD0005	19
5	3.7	1750	184T	EM7144T-C	⑤	T4	6	45.5	15	89.6	89.6	89.5	62	74	79	230/460	17.56	CD0005	19
5	3.7	1160	215T	EM7040T	②	T3C	7.3	51.6	22.7	89.8	90.4	89.5	55	66	72	230/460	22.32	CD0005	19
7 1/2	5.6	3450	184T	EM7073T	①	T2C	8.4	91	11.4	90.6	90.7	89.5	85	90	93	230/460	18.92	CD0005	-
7 1/2	5.6	3525	213T	EM7045T	②	T3C	8.6	63.1	11.1	89.1	90.2	89.5	80	87	90	230/460	19.57	CD0005	19
7 1/2	5.6	3525	213T	EM7145T	②	T3C	8.6	75	11.2	90	91.4	90.2	79	87	90	230/460	19.9	CD0005	19
7 1/2	5.6	1770	213T	EM7047T	②	T3C	9.4	69.3	17.8	90.8	91.9	91.7	56	70	81	230/460	19.57	CD0005	19
7 1/2	5.6	1770	213T	EM7147T	②	T3C	9.5	68	22.1	91.6	92.3	91.7	65	76	81	230/460	19.9	CD0005	19
7 1/2	5.6	1770	213T	EM7147T-C	⑤	T4	9.5	68	22.1	91.6	92.3	91.7	65	76	81	230/460	19.91	CD0005	19
7 1/2	5.6	1180	254T	EM7048T	②	T3C	10.7	67	32.4	89.3	90.7	91	53	64	70	230/460	25.5	CD0005	19
10	7.5	3500	215T	EM7074T	①	T2C	11.2	117	15	90.8	92.3	91.7	84	90	92	230/460	20.82	CD0005	-
10	7.5	3500	215T	EM7174T	②	T3C	11.1	88.5	14.9	93	93.2	92.4	79	88	90	230/460	19.31	CD0005	-
10	7.5	1770	215T	EM7070T	②	T3C	12	103	29.5	92.1	92.4	91.7	66	79	85	230/460	22.32	CD0005	19
10	7.5	1760	215T	EM7170T	②	T3C	12.2	81	29.8	92.5	92.9	91.7	71	80	83	230/460	19.9	CD0005	19

**NOTE: CAUTION: These Explosion-proof motors are not suitable for use with adjustable speed drives.**

Shaded ratings are cast iron frames.

① Class I Group D ② Class I, Group D, Class II, Group F & G ⑤ Class I, Group C & D, Class II, Group F & G

19 = 60/50 Hertz motor. 60 Hertz data shown, contact your local Baldor•Reliance office for 50 Hertz data.

See page 79 for Layout drawing. See page 93 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, 230/460 Volts & 575 Volts, Three Phase, 1 - 200 Hp

Hp	kW	RPM	Frame	Catalog No.	XP Cls/ Grp	XP Temp. Code	Amps @ High V		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Voltage	“C” Dim.	Conn. Diag. No.	Notes
							Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load				
<b>230/460 Volt (continued)</b>																			
10	7.5	1760	215T	EM7170T-C	⑤	T3C	12.2	81	29.8	92.5	92.9	91.7	71	80	83	230/460	19.91	CD0005	19
10	7.5	1180	256T	EM7065T	②	T3C	14.6	95.3	44.4	89.8	91.4	91	52	63	70	230/460	25.5	CD0005	19
15	11	3520	254T	EM7053T	②	T3C	17.5	110	22.1	91	91.6	91	77	85	87	230/460	25.5	CD0180	19
15	11	1765	254T	EM7054T	②	T3C	18	125	45	92.1	93	92.4	71	81	84	230/460	25.5	CD0005	19
15	11	1765	254T	EM7054T-C	⑤	T4	18	125	45	92.1	93	92.4	71	81	84	230/460	25.5	CD0005	19
15	11	1180	284T	EM7057T	②	T3C	20	122	65.7	90.6	92	91.7	58	69	75	230/460	28.61	CD0180	19
20	15	3520	256T	EM7059T	②	T3C	23	161	29.6	92.2	92.4	91	78	86	89	230/460	25.5	CD0005	19
20	15	1765	256T	EM7056T	②	T3C	24	166	54.1	92.5	93.2	93	72	81	84	230/460	25.5	CD0180	19
20	15	1765	256T	EM7056T-C	⑤	T4	24	166	54.1	92.5	93.2	93	72	81	84	230/460	25.5	CD0180	19
20	15	1180	286T	EM7079T	②	T3C	27	165	89.4	91.1	91.9	91.7	60	71	77	230/460	28.61	CD0180	19
25	19	3520	284TS	EM7063T	②	T3C	28.5	177	37.4	91.5	91.7	91.7	80	87	89	230/460	27.24	CD0180	19
25	19	1780	284T	EM7058T	②	T3C	30.5	179	71.2	91.5	92.2	93.6	69	79	82	230/460	28.61	CD0005	19
25	19	1780	284T	EM7058T-C	⑤	T4	30.5	179	71.2	91.5	92.2	93.6	69	79	82	230/460	28.61	CD0005	19
25	19	1180	324T	EM7082T	②	T3C	32	198	111	92.8	93.5	93	65	75	79	230/460	32	CD0180	19
30	22	3520	286TS	EM7083T	②	T3C	33	194	44.6	92.9	93.3	91.7	85	90	90	230/460	27.24	CD0180	19
30	22	1770	286T	EM7060T	②	T3C	36	235	89.1	93.7	94.3	93.6	66	75	83	230/460	28.61	CD0005	19
30	22	1780	286T	EM7060T-C	⑤	T4	37	216	90	93.5	94.1	93.6	67	78	82	230/460	28.61	CD0005	19
30	22	1180	326T	EM7080T	②	T3C	39	243	133	92.5	93.2	93	62	73	78	230/460	32	CD0005	19
40	30	3530	324TS	EM7067T	②	T3C	46	299	53.3	88.1	89.8	92.4	78	85	88	230/460	30.5	CD0180	19
40	30	1775	324T	EM7062T	②	T3C	48	334	118	93.6	94.4	94.1	67	77	82	230/460	32	CD0180	19
40	30	1775	324T	EM7062T-C	⑤	T4	48	334	118	93.6	94.4	94.1	67	77	82	230/460	32.12	CD0180	19
40	30	1180	364T	EM7084T	②	T3C	47.2	275	178	94.4	94.5	94.1	74	81.5	84.3	230/460	33.44	416820-2	19
50	37	3540	326TS	EM7081T	②	T3C	56	408	74.4	93.8	94.2	93	82	88	90	230/460	30.5	CD0180	19
50	37	1775	326T	EM7064T	②	T3C	57	392	149	94.4	94.9	94.5	73	82	87	230/460	32	CD0180	19
50	37	1775	326T	EM7064T-C	⑤	T4	57	392	149	94.4	94.9	94.5	73	82	87	230/460	32.12	CD0180	19
50	37	1180	365T	EM7085T	②	T4	60.1	358	222	94.4	94.6	94.1	70.9	79.4	82.7	230/460	33.44	416820-2	19
60	45	1780	364T	EM7066T	②	T4	68	430	177	95.2	95.3	95	78.7	85	87	230/460	33.44	416820-2	19
60	45	1780	364T	EM7066T-C	⑤	T4	68	430	177	95.2	95.3	95	78.7	85	87	230/460	33.44	416820-2	19
60	45	1185	404T	EM7086T	②	T4	67.3	434	266	94.6	94.9	94.5	79.3	86	88.3	230/460	38.31	416820-2	19
75	56	1780	365T	EM7068T	⑤	T4	84.1	510	221	96.1	95.9	95.4	78.2	85.1	87.5	230/460	33.44	416820-2	19
75	56	1185	405T	EM7087T	②	T4	84.2	537	333	94.8	95	94.5	79.3	85.9	88.3	230/460	38.31	416820-2	19
100	75	1780	405T	EM7090T	⑤	T4	112	708	295	95.5	95.7	95.4	77.9	84.9	87.5	230/460	38.31	416820-2	19
125	93	1780	444T	EM74124T-4	⑤	T4	139	907	368	94.5	95.3	95.4	81.7	87.4	88.5	460	44.62	416820-36	19
150	112	1785	447T	EM74154T-4	⑤	T4	164	1075	441	95.6	96	95.8	86	89.1	89.2	460	47.83	416820-36	19
200	149	1785	449T	EM74204T-4	⑤	T4	216	1387	588	96.1	96.4	96.2	88.9	90.4	89.9	460	52.83	416820-36	19
<b>575 Volt</b>																			
1	0.75	1760	143T	EM7014T-5	②	T3C	1.2	9.66	2.97	81.9	84.8	85.5	49	62	71	575	14.36	CD0006	—
1 1/2	1.1	3500	143T	EM7018T-5	②	T3C	1.5	14.5	2.22	82.1	84.3	84	66	78	85	575	14.36	CD0006	—
1 1/2	1.1	1760	145T	EM7034T-5	②	T3C	1.8	14.6	4.47	84.5	87	86.5	51	65	73	575	15.23	CD0006	—
2	1.5	3490	145T	EM7071T-5	②	T3C	2	21	2.98	83.6	85.5	85.5	74	84	88	575	15.23	CD0006	—
2	1.5	1755	145T	EM7037T-5	②	T3C	2.4	19.6	5.95	83.8	86.4	86.5	50	64	73	575	16.1	CD0006	—
3	2.2	1760	182T	EM7042T-5	②	T3C	3.3	25.9	8.88	87.7	89.5	89.5	54	67	75	575	17.42	CD0006	—
5	3.7	3450	184T	EM7072T-5	②	T3C	4.7	45.7	7.64	88.4	89.1	88.5	81	88	91	575	18.12	CD0006	35
5	4	1750	184T	EM7044T-5	②	T3C	5.3	39.3	14.9	89.6	90.5	89.5	60	72	78	575	18.12	CD0006	—
7 1/2	5.6	1770	213T	EM7047T-5	②	T3C	7.6	58.5	22.2	91.1	92.3	91.7	61	74	81	575	20.32	CD0006	35
10	7.5	1760	215T	EM7170T-5	②	T3C	9.8	66.3	29.8	92.1	92.7	91.7	70	79	83	575	19.9	CD0006	—
15	11	1765	254T	EM7054T-5	②	T3C	14.8	99	44.5	91.3	92.5	92.4	67	78	82	575	25.5	CD0006	—
20	15	1765	256T	EM7056T-5	②	T3C	19.2	140	59	92.8	93.2	93	72	78	84	575	25.5	CD0006	—
25	19	1780	284T	EM7058T-5	②	T3C	24.5	150	74	91	92.7	93.6	70	79	82	575	28.61	CD0006	—
30	22	1770	286T	EM7060T-5	②	T3C	29	177	89.2	93.9	94.4	93.6	69	77	83	575	28.61	CD0006	—
40	30	1775	324T	EM7062T-5	②	T3C	39	267	118	93.6	94.3	94.1	67	77	82	575	32	CD0006	—

**NOTE: CAUTION: These Explosion-proof motors are not suitable for use with adjustable speed drives.**

Shaded ratings are cast iron frames.

① Class I Group D    ② Class I, Group D, Class II, Group F & G    ③ Class I, Group C & D, Class II, Group F & G

19 = 60/50 Hertz motor. 60 Hertz data shown, contact your local Baldor•Reliance office for 50 Hertz data. 35 = Design A

See page 79 for Layout drawing. See page 93 for Connection Diagrams. Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

# Explosion-Proof C-Face Foot Mounted



## TEFC - Totally Enclosed Fan Cooled 230/460 Volts, Three Phase, 1 - 50 Hp

Hp	kW	RPM	Frame	Catalog No.	XP Cls/ Grp	XP Temp. Code	Amps @ High V		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Voltage	"C" Dim.	Conn. Diag. No.	Notes
							Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load				
1	0.75	1760	143TC	CEM7014T	Ⓜ	T3C	1.5	12.1	2.97	81.9	84.8	85.5	49	62	71	230/460	14.36	CD0005	19
1 1/2	1.1	3500	143TC	CEM7018T	Ⓜ	T3C	1.9	17.9	2.22	82	84.6	84	67	79	85	230/460	14.36	CD0005	19
1 1/2	1.1	1760	145TC	CEM7034T	Ⓜ	T3C	2.2	18.3	4.47	84.5	86.9	86.5	51	65	73	230/460	15.23	CD0005	19
2	1.5	3490	145TC	CEM7071T	Ⓜ	T3C	2.5	25.9	2.98	83.5	85.9	85.5	75	84	88	230/460	15.23	CD0005	19
2	1.5	1755	145TC	CEM7037T	Ⓜ	T3C	2.9	24.3	5.95	84	86.5	86.5	51	64	73	230/460	16.1	CD0005	19
3	2.2	3450	145TC	CEM7075T	Ⓜ	T3C	3.6	33	4.5	87.9	88.2	86.5	81	88	92	230/460	16.09	CD0005	-
3	2.2	1760	182TC	CEM7042T	Ⓜ	T3C	4.2	30.8	7.1	86	88.5	89.5	49	62	75	230/460	18.86	CD0005	19
5	3.7	3450	184TC	CEM7072T	Ⓜ	T3C	5.9	57.2	7.67	88.9	89.4	88.5	81	88	91	230/460	18.86	CD0005	19, 35
5	3.7	1750	184TC	CEM7044T	Ⓜ	T3C	6.7	49.1	14.9	89.7	90.3	89.5	60	72	78	230/460	19.55	CD0005	19
7 1/2	5.6	3450	184TC	CEM7073T	Ⓜ	T2C	8.4	91	11.4	90.6	90.7	89.5	85	90	93	230/460	20.36	CD0005	35
7 1/2	5.6	3470	213TC	CEM7045T	Ⓜ	T3C	8.6	63.1	11.1	89.1	90.2	89.5	80	87	90	230/460	20.33	CD0005	19
7 1/2	5.6	1770	213TC	CEM7047T	Ⓜ	T3C	9.4	69.3	17.8	90.8	91.9	91.7	56	70	81	230/460	21.08	CD0005	19, 35
10	7.5	3500	215TC	CEM7174T	Ⓜ	T3C	11.1	88.5	14.9	93	93.2	92.4	79	88	90	230/460	20.65	CD0005	19
10	7.5	1760	215TC	CEM7170T	Ⓜ	T3C	12.2	81	29.8	92.5	92.9	91.7	71	80	83	230/460	20.65	CD0005	19
15	11	3520	254TC	CEM7053T	Ⓜ	T3C	17.5	110	22.1	91	91.6	91	77	85	87	230/460	26	CD0180	19
15	11	1765	254TC	CEM7054T	Ⓜ	T3C	18	125	45	92.1	93	92.4	71	81	84	230/460	26	CD0005	19
20	15	3520	256TC	CEM7059T	Ⓜ	T3C	23	161	29.6	92.2	92.4	91	78	86	89	230/460	26	CD0005	19
20	15	1765	256TC	CEM7056T	Ⓜ	T3C	24	166	54.1	92.5	93.2	93	72	81	84	230/460	26	CD0180	19
25	19	3520	284TSC	CEM7063T	Ⓜ	T3C	28.5	177	37.4	91.5	91.7	91.7	80	87	89	230/460	27.24	CD0180	19
25	19	1780	284TC	CEM7058T	Ⓜ	T3C	30.5	179	71.2	91.5	92.2	93.6	69	79	82	230/460	28.61	CD0005	19
30	22	1770	286TC	CEM7060T	Ⓜ	T3C	36	235	89.1	93.7	94.3	93.6	66	75	83	230/460	28.61	CD0005	19
40	30	1775	324TC	CEM7062T	Ⓜ	T3C	48	334	118	93.6	94.4	94.1	67	77	82	230/460	32	CD0180	19
50	37	1775	326TC	CEM7064T	Ⓜ	T3C	57	392	149	94.4	94.9	94.5	73	82	87	230/460	32	CD0180	19

**NOTE: CAUTION: These Explosion-proof motors are not suitable for use with adjustable speed drives.**

Ⓜ Class I Group D Ⓜ Class I, Group D, Class II, Group F & G

19 = 60/50 Hertz motor. 60 Hertz data shown, contact your local Baldor•Reliance office for 50 Hertz data. 35 = Design A

See page 81 for Layout drawing. See page 93 for Connection Diagrams. Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Shaded ratings are cast iron frames.

# Explosion Proof C-Face Footless



## TEFC - Totally Enclosed Fan Cooled 575 Volts, Three Phase, 1 - 5 Hp

Hp	kW	RPM	Frame	Catalog No.	XP Cls/ Grp	XP Temp. Code	Amps @ High V		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Voltage	"C" Dim.	Conn. Diag. No.	Notes
							Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load				
1	0.75	1760	143TC	VEM7014T-5	Ⓜ	T3C	1.2	9.66	2.97	81.9	84.4	85.5	49	62	71	575	14.33	CD0006	-
1 1/2	1.1	1760	145TC	VEM7034T-5	Ⓜ	T3C	1.8	14.6	4.47	84.5	87	86.5	51	65	73	575	15.21	CD0006	-
2	1.5	1755	145TC	VEM7037T-5	Ⓜ	T3C	2.4	19.6	5.95	83.8	86.4	86.5	50	64	73	575	16.09	CD0006	-
3	2.2	1760	182TC	VEM7042T-5	Ⓜ	T3C	3.3	25.9	8.88	87.7	89.5	89.5	54	67	75	575	18.86	CD0006	-
5	3.7	1750	184TC	VEM7044T-5	Ⓜ	T3C	5.3	39.3	14.9	89.6	90.5	89.5	60	72	78	575	18.86	CD0006	-

**NOTE: CAUTION: These Explosion-proof motors are not suitable for use with adjustable speed drives.**

Ⓜ Class I, Group D, Class II, Group F & G

See page 81 for Layout drawing. See page 93 for Connection Diagrams. Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

## Severe Duty, Explosion-Proof Super-E® Premium Efficient Motors

These Baldor•Reliance motors are built suitable for harsh industrial environments requiring protection against corrosion, that contain hazardous gas and vapor, dust fibers, filings or other material that may have explosive properties. 1.15 Service factor, Severe Duty design includes rugged cast iron construction with corrosion resistant epoxy finish. Shaft slingers & inner caps installed on both ends of motor for bearing protection. Includes normally closed thermostats. UL & CSA approved for Division 1 Class I, Group D, Class II, Group E, F & G, T3C temperature code.



### TEFC - Totally Enclosed Fan Cooled Foot Mounted, 230/460 Volts, Three Phase, 3 - 150 Hp

Hp	kW	RPM	Frame	Catalog No.	XP Cls/ Grp	XP Temp Code	Amps @ High V		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Volt Code	"C" Dim.	Conn. Diag. No.	Notes
							Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load				
3	2.2	1755	182T	EM7542T-I	③	T3C	4.1	29.8	9.06	88.9	90.1	89.5	58	70	77	F	17.59	CD0005	-
3	2.2	1165	213T	EM7536T-I	③	T3C	4.5	33.2	13.6	89	90.1	89.5	53	64	71	F	20.02	CD0005	-
5	3.7	3505	L184T	EM7572T-I	③	T3C	6	44	7.49	89.2	89.6	88.5	74	84	88	F	17.12	416820-1	-
5	3.7	1750	L184T	EM7544T-I	③	T3C	6.6	46	15	89.4	90.1	89.5	62	74	80	F	17.12	416820-1	-
5	3.7	1165	L215T	EM7540T-I	③	T3C	6.8	46	22.5	89.7	90.2	89.5	60	71	77	F	20.12	416820-1	-
7 1/2	5.6	1770	213T	EM7547T-I	③	T3C	9.5	68	22.1	91.6	92.3	91.7	65	76	81	F	20.02	CD0005	35
7 1/2	5.6	1180	254T	EM7548T-I	③	T3C	10.7	69.7	32.4	89.7	91.5	91.7	52	63	71	E1	25.81	CD0005	-
10	7.5	1765	L215T	EM7670T-I	③	T3C	12.3	81	29.8	92.3	92.4	91.7	68	78	83	F	20.12	416820-2	-
10	7.5	1170	256T	EM7565T-I	③	T3C	12.5	78	44.8	91.7	91.8	91	70	79	82	F	24.56	416820-2	-
15	11	1765	254T	EM7554T-I	③	T3C	18	125	45	92.1	93	92.4	71	81	84	E1	25.81	CD0005	-
20	15	3520	256T	EM7559T-I	③	T3C	22.3	145	29.8	92.3	92.4	91.7	86	90	91	F	24.56	416820-2	-
20	15	1765	256T	EM7556T-I	③	T3C	24	145	59.6	93.5	93.6	93	74	81	84	F	24.56	416820-36	-
25	19	1770	284T	EM7558T-I	③	T3C	30	186	74.2	92.3	93.5	93.6	73	81	84	E1	28.61	CD0005	-
30	22	1765	286T	EM7560T-I	③	T3C	36.1	217	89.1	94.1	94.2	93.6	74	81	83	F	27.44	416820-2	-
40	30	1775	324T	EM7562T-I	③	T3C	47	325	118	93.8	94.5	94.1	74	82	85	F	32	CD0180	-
50	37	1775	326T	EM7564T-I	③	T3C	58.8	355	148	95.1	95.1	94.5	76	82	84	F	30.44	416820-2	-
50	37	1180	365T	EM7585T-I	③	T3C	60.1	358	222	94.1	94.6	94.1	71	79	83	F	33.44	416820-2	-
60	45	1780	364T	EM7566T-I	③	T3C	67.8	432	177	95.4	95.5	95	77	84	87	F	33.44	416820-2	-
75	56	1780	365T	EM7568T-I	③	T3C	84.1	510	221	96.1	95.9	95.4	78	85	88	F	33.44	416820-2	-
75	56	1185	405T	EM7587T-I	③	T3C	86.9	541	332	95	95.3	95	73	82	85	F	38.31	416820-2	-
100	75	1780	405T	EM7590T-I	③	T3C	112	708	295	95.5	95.7	95.4	78	85	88	G	38.31	416820-36	-
100	75	1188	444T	EM7599T-I	③	T3C	115	725	442	94.7	95.2	95	77	84	86	G	44.62	416820-36	-
125	93	1785	444T	EM7600T-I	③	T3C	139	907	368	95.5	95.9	95.8	81	87	88	G	44.62	416820-36	-
150	112	1785	445T	EM7596T-I	③	T3C	165	1085	441	96.4	96.6	96.2	83	88	89	G	44.62	416820-36	-

**NOTE: CAUTION: These Explosion-proof motors are not suitable for use with adjustable speed drives.**

Shaded ratings are cast iron frames.

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

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

35 = NEMA Design A

See page 80 for Layout drawing. See page 93 for Connection Diagrams.

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

# Drill Rig Duty Explosion-Proof Super-E® Premium Efficient Motors



Baldor has a family of explosion proof motors designed for on and off shore drill rig service, bulk fuel terminals, and transfer stations. For use in high humidity hazardous-duty applications driving pumps, compressors, blowers, fans, and many other loads that require 1.15 service factor explosion proof motors. Design includes Class 1, Group C & D approval for use in areas where hydrogen sulfide is present. These motors feature Labyrinth-type recessed shaft slinger for increased bearing protection. Explosion-proof breather drain to prevent build up of condensation. Class F insulation. Corrosion resistant finish with two part epoxy coating. Suitable for 55°C at 1.0 service factor. UL and CSA approved for Division 1, Class I, Group C & D.



## TEFC - Totally Enclosed Fan Cooled Foot Mounted, 230/460 & 575 Volt, Three Phase, 1 - 100 Hp

Hp	kW	RPM	Frame	Catalog No.	XP Cls/ Grp	XP Temp Code	Amps @ High V		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			"C" Dim.	Conn. Diag. No.	Notes
							Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load			
<b>230/460 Volt</b>																		
1	0.75	1155	145T	EM7032T-I	Ⓢ	T3C	3.6/1.8	10.8	4.51	79.4	82.3	82.5	43	55	64	15.09	CD0005	19
1	0.75	1760	143T	EM7014T-I	Ⓢ	T3C	3/1.5	12.1	2.97	82.1	84.8	85.5	49	62	71	14.12	CD0005	19
1	0.75	3450	143T	EM7013T-I	Ⓢ	T3C	2.8/1.4	10.5	1.47	71.7	76.4	77	72	82	87	14.12	CD0005	19
1 1/2	1.1	1170	182T	EM7020T-I	Ⓢ	T3C	5.2/2.6	14.7	6.8	86	88.3	87.5	42	53	61	18.27	CD0005	19
1 1/2	1.1	1760	143T	EM7034T-I	Ⓢ	T3C	4.4/2.2	18.3	4.47	84.5	86.9	86.5	51	65	73	15.09	CD0005	19
1 1/2	1.1	3500	143T	EM7018T-I	Ⓢ	T3C	3.8/1.9	17.9	2.22	82	84.6	84	67	79	85	14.12	CD0005	19
2	1.5	1170	184T	EM7041T-I	Ⓢ	T3C	7/3.5	20.9	9	86.7	88.6	88.5	41	52	61	19.52	CD0005	19
2	1.5	1755	145T	EM7037T-I	Ⓢ	T3C	5.8/2.9	22.9	5.37	82.9	85.5	86.5	49	62	73	15.81	CD0005	19
2	1.5	3490	145T	EM7071T-I	Ⓢ	T3C	5/2.5	25.9	2.98	83.6	85.7	85.5	75	84	88	15.09	CD0005	19
3	2.2	1160	213T	EM7036T-I	Ⓢ	T3C	9.2/4.6	34.4	13.4	87.7	89.4	89.5	49	61	68	20.32	CD0005	19
3	2.2	1760	182T	EM7042T-I	Ⓢ	T3C	8.4/4.2	30.8	7.1	86	88.5	89.5	49	62	75	18.27	CD0005	19
3	2.2	3450	182T	EM7026T-I	Ⓢ	T3C	7.4/3.7	33.3	4.7	86.2	87.3	86.5	82	88	91	16.77	CD0005	19
5	3.7	1160	215T	EM7040T-I	Ⓢ	T3C	14.6/7.3	51.6	22.7	89.8	90.4	89.5	55	66	72	22.32	CD0005	19,35
5	3.7	1750	184T	EM7044T-I	Ⓢ	T3C	13/6.5	53.7	15	89.7	90.7	89.5	62	74	80	19.52	CD0005	19
5	3.7	3470	184T	EM7072T-I	Ⓢ	T3C	11.2/5.6	59.3	7.66	90.7	90.8	90.2	83	90	94	18.27	CD0005	19,35
7 1/2	5.6	1190	254T	EM7048T-I	Ⓢ	T3C	21.4/10.7	67	32.4	89.3	90.7	91	53	64	70	25.5	CD0005	19
7 1/2	5.6	1770	213T	EM7047T-I	Ⓢ	T3C	18.8/9.4	69.3	17.8	90.8	91.9	91.7	56	70	81	20.32	CD0005	19,35
7 1/2	5.6	3470	213T	EM7045T-I	Ⓢ	T3C	17.2/8.6	63.1	11.1	89.1	90.2	89.5	80	87	90	19.57	CD0005	19
10	7.5	1180	256T	EM7065T-I	Ⓢ	T3C	30/15	95.3	44.4	89.8	91.4	91	52	63	70	25.5	CD0005	19
10	7.5	1765	215T	EM7170T-I	Ⓢ	T3C	24.6/12.3	92.9	26.8	93.4	92.3	92.4	61	74	81	20.03	CD0005	19,35
10	7.5	3500	215T	EM7174T-I	Ⓢ	T3C	22.2/11.1	88.5	14.9	93	93.2	92.4	79	88	90	20.03	CD0005	19
15	11	1180	284T	EM7057T-I	Ⓢ	T3C	40/20	122	65.7	90.6	92	91.7	58	69	75	28.61	CD0180	19
15	11	1765	254T	EM7054T-I	Ⓢ	T3C	36/18	125	45	92.1	93	92.4	71	81	84	25.5	CD0005	19
15	11	3520	254T	EM7053T-I	Ⓢ	T3C	35/17.5	110	22.1	91	91.6	91	77	85	87	25.5	CD0180	19
20	15	1180	286T	EM7079T-I	Ⓢ	T3C	54/27	165	89.4	91.1	91.9	91.7	60	71	77	28.61	CD0180	19,35
20	15	1765	256T	EM7056T-I	Ⓢ	T3C	48/24	171	60	92.9	93.5	93	74	83	84	25.5	CD0180	19
20	15	3530	256T	EM7059T-I	Ⓢ	T3C	44/22	171	29.8	92.5	93	91	87	91	91	25.5	CD0180	19,35
25	19	1180	324T	EM7082T-I	Ⓢ	T3C	63/32	198	111	92.8	93.5	93	65	75	79	32	CD0180	19,35
25	19	1780	284T	EM7058T-I	Ⓢ	T3C	61/30.5	188	74	93.4	93.9	93.6	69	78	82	28.61	CD0005	19
25	19	3520	284TS	EM7063T-I	Ⓢ	T3C	57/28.5	177	37.4	91.5	91.7	91.7	80	87	89	27.23	CD0180	19
30	22	1180	326T	EM7080T-I	Ⓢ	T3C	78/39	243	133	92.5	93.2	93	62	73	78	32	CD0005	19,35
30	22	1770	286T	EM7060T-I	Ⓢ	T3C	72/36	235	89.1	93.7	94.3	93.6	66	75	83	28.61	CD0005	19
30	22	3520	286TS	EM7083T-I	Ⓢ	T3C	66/33	194	44.6	92.9	93.3	91.7	85	90	90	27.23	CD0180	19

**NOTE: CAUTION: These Explosion-proof motors are not suitable for use with adjustable speed drives.**

Shaded ratings are cast iron frames.

Ⓢ Class I, Group C & D

19 = 60/50 Hertz motor. 60 Hertz data shown, contact your local Baldor•Reliance office for 50 Hertz data.

35 = NEMA Design A

Contact Baldor for Layout Drawings. See page 93 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, 230/460 & 575 Volt, Three Phase, 1 - 100 Hp**



Hp	kW	RPM	Frame	Catalog No.	XP Cls/ Grp	XP Temp Code	Amps @ High V		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			"C" Dim.	Conn. Diag. No.	Notes
							Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load			
<b>230/460 Volt (continued)</b>																		
40	30	1180	364T	EM7084T-I	④	T3C	94.4/47.2	275	178	94.4	94.5	94.1	74	82	84	33.44	416820-002	19
40	30	1775	324T	EM7062T-I	④	T3C	96/48	338	118	93.5	94.2	94.1	69	78	82	32	CD0180	19
40	30	3530	324TS	EM7067T-I	④	T3C	92/46	305	59.2	91.6	92.6	92.4	79	86	88	30.5	CD0180	19
50	37	1180	365T	EM7085T-I	④	T3C	120/60.1	358	222	94.4	94.6	94.1	71	79	83	33.44	416820-002	19
50	37	1775	326T	EM7064T-I	④	T3C	114/57	384	143	94.5	94.4	94.5	73	82	87	32	CD0180	19
50	37	3540	326TS	EM7081T-I	④	T3C	112/56	4.8	74.4	93.8	94.2	93	82	88	90	30.5	CD0180	19,35
60	45	1185	404T	EM7086T-I	④	T3C	135/67.3	434	266	94.6	94.9	94.5	79	86	88	38.31	416820-002	19
60	45	1780	364T	EM7066T-I	④	T3C	136/67.8	432	177	95.4	95.5	95	77	84	87	33.44	416820-002	19
60	45	3560	364TS	EM7310T-I	④	T3C	135/67.3	415	88.5	92.7	93.7	93.6	80	86	89	31.31	416820-002	19
75	56	1185	405T	EM7087T-I	④	T3C	168/84.2	537	333	94.8	95	94.5	79	86	88	38.31	416820-002	19
75	56	1780	365T	EM7068T-I	④	T3C	168/84.1	510	221	96.1	95.9	95.4	78	85	88	33.44	416820-002	19
75	56	3555	365TS	EM7313T-I	④	T3C	167/83.4	465	111	93	93.8	93.6	83	88	90	31.31	416820-002	19
100	75	1780	405T	EM7090T-I	④	T3C	224/112	708	295	95.5	95.7	95.4	78	85	88	38.31	416820-002	19
<b>575 Volt</b>																		
3	2.2	1760	182T	EM7042T-I-5	④	T3C	3.3	25.9	8.88	87.7	89.5	89.5	54	67	75	18.27	CD0006	1
5	3.7	1750	184T	EM7044T-I-5	④	T3C	5.2	43	15	89.7	90.7	89.5	62	74	80	19.52	CD0006	1
7 1/2	5.6	1770	213T	EM7047T-I-5	④	T3C	7.6	58.5	22.2	91.9	92.3	91.7	61	74	81	20.32	CD0006	1,35
10	7.5	1765	215T	EM7170T-I-5	④	T3C	9.8	78	29.7	93.6	92.9	92.4	62	75	80	20.03	CD0006	1,35
15	11	1765	254T	EM7054T-I-5	④	T3C	14.8	99	44.5	91.3	92.5	92.4	67	78	82	25.5	CD0006	1
20	15	1765	256T	EM7056T-I-5	④	T3C	19.2	140	59	92.8	93.1	93	69	80	84	25.5	CD0006	1
25	19	1780	284T	EM7058T-I-5	④	T3C	24.5	158	73.9	90.6	92.5	93.6	70	79	82	28.61	CD0006	1
30	22	1770	286T	EM7060T-I-5	④	T3C	29	177	89.2	93.9	94.4	93.6	69	77	83	28.61	CD0006	1
40	30	1775	324T	EM7062T-I-5	④	T3C	39	267	118	93.6	94.3	94.1	67	77	82	32	CD0006	1
50	37	1775	326T	EM7064T-I-5	④	T3C	45.6	318	149	94.4	94.9	94.5	81	80	87	32	CD0006	1
60	45	1780	364T	EM7066T-I-5	④	T3C	54.2	346	177	95.4	95.5	95	77	84	87	33.44	416820-036	1
75	56	1780	365T	EM7068T-I-5	④	T3C	67.2	408	221	96.1	95.9	95.4	78	85	88	33.44	416820-036	1
100	75	1780	405T	EM7090T-I-5	④	T3C	89.6	566	295	95.5	95.7	95.4	78	85	88	38.31	416820-036	1

**NOTE: CAUTION: These Explosion-proof motors are not suitable for use with adjustable speed drives.**

Shaded ratings are cast iron frames.

④ Class I, Group C & D

19 = 60/50 Hertz motor. 60 Hertz data shown, contact your local Baldor•Reliance office for 50 Hertz data.

35 = NEMA Design A

Contact Baldor for Layout Drawings. See page 93 for Connection Diagrams.

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

## Drill Rig Duty Explosion-Proof C-Face Foot Mounted



Baldor has a family of explosion proof motors designed for on and off shore drill rig service, bulk fuel terminals, and transfer stations. For use in high humidity hazardous-duty applications driving pumps, compressors, blowers, fans, and many other loads that require 1.15 service factor explosion proof motors. Design includes Class 1, Group C & D approval for use in areas where hydrogen sulfide is present. These motors feature Labyrinth-type recessed shaft slinger for increased bearing protection. Explosion-proof breather drain to prevent build up of condensation. Class F insulation. Corrosion resistant finish with two part epoxy coating. Suitable for 55°C at 1.0 service factor. UL and CSA approved for Division 1, Class I, Group C & D.



### TEFC – Totally Enclosed Fan Cooled 230/460 & 575 Volt, Three Phase, 1 - 100 Hp

Hp	kW	RPM	Frame	Catalog No.	XP Cls/ Grp	XP Temp Code	Amps @ High V		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Voltage	"C" Dim.	Conn. Diag. No.	Notes
							Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load				
1 1/2	1.1	1760	145TC	CEM7034T-I	④	T3C	4.4/2.2	18.3	4.47	84.5	86.9	86.5	51	65	73	230/460	15.23	CD0005	19
2	1.5	1755	145TC	CEM7037T-I	④	T3C	5.8/2.9	22.9	5.37	82.9	85.5	86.5	49	62	73	230/460	16.1	CD0005	19
3	2.2	1760	182TC	CEM7042T-I	④	T3C	8.4/4.2	30.8	7.1	86	88.5	89.5	49	62	75	230/460	19.59	CD0005	19
5	3.7	1750	184TC	CEM7044T-I	④	T3C	13/6.5	53.7	15	89.7	90.7	89.5	62	74	80	230/460	20.84	CD0005	19
7 1/2	5.6	1770	213TC	CEM7047T-I	④	T3C	18.8/9.4	69.3	17.8	90.8	91.9	91.7	56	70	81	230/460	21.07	CD0005	19,35
10	7.5	1765	215TC	CEM7170T-I	④	T3C	24.6/12.3	92.9	26.8	93.4	92.3	92.4	61	74	81	230/460	20.78	CD0005	19,35
15	11	1765	254TC	CEM7054T-I	④	T3C	36/18	125	45	92.1	93	92.4	71	81	84	230/460	26	CD0005	19
20	15	1765	256TC	CEM7056T-I	④	T3C	48/24	171	60	92.9	93.5	93	74	83	84	230/460	26	CD0180	19
25	19	1780	284TC	CEM7058T-I	④	T3C	61/30.5	188	74	93.4	93.9	93.6	69	78	82	230/460	28.61	CD0005	19
30	22	1770	286TC	CEM7060T-I	④	T3C	72/36	235	89.1	93.7	94.3	93.6	66	75	83	230/460	28.61	CD0005	19
40	30	1775	324TC	CEM7062T-I	④	T3C	96/48	338	118	93.5	94.2	94.1	69	78	82	230/460	32	CD0180	19
50	37	1775	326TC	CEM7064T-I	④	T3C	114/57	384	143	94.5	94.4	94.5	73	82	87	230/460	32	CD0180	19

**NOTE: CAUTION: These Explosion-proof motors are not suitable for use with adjustable speed drives.**

④ Class I, Group C & D

19 = 60/50 Hertz motor. 60 Hertz data shown, contact your local Baldor•Reliance office for 50 Hertz data. 35 = NEMA Design A Contact Baldor for Layout Drawings. See page 93 for Connection Diagrams.

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

Shaded ratings are cast iron frames.

## Drill Rig Duty Explosion-Proof Close Coupled Pump

Baldor motors designed for on and off shore drill rig service, bulk fuel terminals, and transfer stations where close-coupled pump shaft configurations are required. For use in high humidity hazardous-duty applications driving pumps, compressors, blowers and fans. These motors feature Labyrinth-type recessed shaft slinger for increased bearing protection. Explosion-proof breather drain to prevent build up of condensation. Class F insulation. Corrosion resistant finish with two part epoxy coating. Rated for 55° C ambient and 1.15 service factor (EJPM71170T-I has 1.0 S.F.). UL and CSA approved for Division 1, Class I, Group C & D. Available from stock 3 hp to 10 hp with 182JP to 184JP mounting.



### TEFC – Totally Enclosed Fan Cooled 230/460 Volt, Three Phase, 3 - 10 Hp

Hp	kW	RPM	Frame	Catalog No.	XP Cls/ Grp	XP Temp Code	Amps @ High V		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Voltage	"C" Dim.	Conn. Diag. No.	Notes
							Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load				
3	2.2	1755	182JP	EJPM7142T-I	④	T3C	4.1	28.7	7.24	86.9	88.7	89.5	52	65	77	230/460	22.09	CD0005	1, 19, 30
5	3.7	1750	184JP	EJPM7144T-I	④	T3C	6	43.9	10.8	87.7	88.7	89.5	52	65	79	230/460	22.09	CD0005	1, 19, 30
7 1/2	5.6	1770	213TCZ	EJPM71147T-I	④	T3C	9.5	65.8	17.8	90.1	91.3	91.7	58	71	81	230/460	25.65	CD0005	1, 19, 97
10	7.5	1765	215TCZ	EJPM71170T-I	④	T3C	12.3	95.7	29.7	93.6	92.6	92.4	64	76	81	230/460	25.65	CD0005	19, 97

**NOTE: CAUTION: These Explosion-proof motors are not suitable for use with adjustable speed drives.**

④ Class I, Group C & D

1 - Class F insulated motor with 1.15 Service Factor or higher that operates within Class "B" temperature limits at rated horsepower

19 = 60/50 Hertz motor. 60 Hertz data shown, contact your local Baldor•Reliance office for 50 Hertz data. 30 - Usable at 208 volts 97 - One size smaller flange and shaft

Contact Baldor for Layout Drawings. See page 93 for Connection Diagrams. Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Shaded ratings are cast iron frames.

# Close Coupled Pump Motors with AEGIS Grounding Ring



These motors are designed and manufactured for commercial and industrial pump applications where adjustable speed drives are utilized. They feature Class H insulation with an AEGIS® bearing protection ring installed internally. Motors include oversized ball bearings with locked drive end construction to minimize endplay. All models meet or exceed NEMA Premium® efficiencies, are Inverter Ready, and have a 3-year warranty.



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

Hp	kW	RPM	Frame	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			
3	2.2	3450	182JM	EJMM3610T-G	3.6	33	4.5	87.9	88.2	86.5	81	88	92	6207	6203	E	16.91	CD0005
3	2.2	1760	182JM	EJMM3611T-G	4.2	32	8.9	87.8	89.5	89.5	54	68	75	6207	6205	E	18.06	CD0005
5	3.7	3450	184JM	EJMM3613T-G	5.9	57.2	7.6	88.4	89.1	88.5	81	88	91	6207	6205	E	18.06	CD0005
5	3.7	1750	184JM	EJMM3615T-G	6.7	49.1	14.9	89.7	90.3	89.5	60	72	78	6207	6205	E	19.56	CD0005
7 1/2	5.6	3470	213JM	EJMM3709T-G	8.6	63.1	11.1	89.2	90.1	89.5	80	87	90	6309	6206	F	19.81	CD0005
7 1/2	5.6	1770	213JM	EJMM3710T-G	9.4	70.1	22.4	92.2	92.7	91.7	63	75	81	6309	6206	E1	20.94	CD0005
10	7.5	3490	215JM	EJMM3711T-G	11.8	78.5	15	91	91.3	90.2	74	84	87	6309	6206	E	19.81	CD0005
10	7.5	1770	215JM	EJMM3714T-G	12	103	29.5	92.1	92.4	91.7	66	79	85	6309	6206	E	22.44	CD0005
15	11	3520	254JM	EJMM2394T-G	17.5	110	22.1	91	91.6	91	77	85	87	6309	6208	E1	25.3	CD0180
15	11	1765	254JM	EJMM2333T-G	18.5	122.9	44.6	91.9	92.6	92.4	66	77	82	6309	6208	E1	25.3	CD0005
20	15	3520	256JM	EJMM4106T-G	23	161	29.6	92.2	92.4	91	78	86	89	6309	6208	E1	25.3	CD0005
20	15	1765	256JM	EJMM2334T-G	24	175	59	92.8	93.1	93	69	80	84	6309	6208	E1	25.3	CD0005

**NOTE:** Volt Code: E=208-230/460 volts; E1=230/460 volts, usable at 208 volts. See page 86 for Layout drawing. See pages 93 for Connection Diagrams. Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Shaded ratings are cast iron frames.

# Close Coupled Pump Motors with AEGIS Grounding Ring



## ODP – Totally Enclosed Fan Cooled Foot Mounted, 230/460 Volts, Three Phase, 3 - 20 Hp



Hp	kW	RPM	Frame	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			
1	0.75	1760	143JM	EJMM3116T-G	1.5	12.1	3	82.1	84.8	85.5	49	62	71	6206	6203	E	13.75	CD0005
1 1/2	1.1	1755	145JM	EJMM3154T-G	2.2	17.5	4.5	83.5	86	86.5	50	63	72	6206	6203	E1	13.75	CD0005
2	1.5	1750	145JM	EJMM3157T-G	2.9	24.3	6	84.4	86.6	86.5	51	64	73	6206	6203	E1	14.25	CD0005
3	2.2	3450	145JM	EJMM3158T-G	3.8	32.5	4.5	83.8	85.4	85.5	72	82	87	6206	6203	E1	15.13	CD0005
3	2.2	1765	182JM	EJMM3211T-G	4.2	32.3	8.9	87.5	89.5	89.5	53	66	73	6207	6205	E1	16.5	CD0005
5	3.7	3450	182JM	EJMM3212T-G	6	50.7	7.7	86.7	87.6	86.5	81	88	91	6207	6205	E	15.12	CD0005
5	3.7	1750	184JM	EJMM3218T-G	6.6	44.8	15	89.7	90.2	89.5	64	75	80	6207	6205	E	18	CD0005
7 1/2	5.6	3450	184JM	EJMM3219T-G	8.6	86.3	11.3	88.1	89.2	88.5	80	87	91	6207	6205	E	16.5	CD0005
7 1/2	5.6	1770	213JM	EJMM3311T-G	9.7	68.2	22.1	90.5	91.4	91	92	73	79	6309	6206	F	18.19	CD0005
10	7.5	3500	213JM	EJMM3312T-G	11.4	98	15	90.9	92	91.7	81	87	90	6309	6206	E	19.31	CD0005
10	7.5	1770	215JM	EJMM3313T-G	12.5	88.3	29.7	91.6	92.3	91.7	66	77	82	6309	6206	F	19.31	CD0005
15	11	3525	215JM	EJMM3314T-G	17.5	143	22.5	91.9	92.3	90.2	80	87	89	6309	6206	F	18.19	CD0005
15	11	1765	254JM	EJMM2513T-G	17.7	118	44.6	93.3	93.5	93	70	81	86	6309	6208	E1	23.19	CD0180

**NOTE:** Volt Code: E=208-230/460 volts; E1=230/460 volts, usable at 208 volts; F=230/460 volts. See page 86 for Layout drawing. See pages 93 for Connection Diagrams. Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

# Close Coupled Pump Motors – TEFC



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 230/460 Volts, Three Phase, 1 - 50 Hp

Hp	kW	RPM	Frame	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			
<b>C-Face Foot Mounted</b>																		
1	0.75	1760	143JM	<b>EJMM3546T</b>	1.5	12.1	3	82.1	84.8	85.5	49	62	71	6206	6203	E	15.43	CD0005
1 1/2	1.1	3500	143JM	<b>EJMM3550T</b>	1.9	17.9	2.2	82.2	84.4	84	67	79	85	6206	6203	E	15.43	CD0005
1 1/2	1.1	1760	145JM	<b>EJMM3554T</b>	2.2	18.3	4.5	84.5	86.8	86.5	51	65	73	6206	6203	E	15.43	CD0005
2	1.5	3490	145JM	<b>EJMM3555T</b>	2.5	25.9	3	83.5	85.9	85.5	75	84	88	6206	6203	E	15.43	CD0005
2	1.5	1755	145JM	<b>EJMM3558T</b>	2.9	24.3	6	84.2	86.4	86.5	51	64	73	6206	6203	E	16.31	CD0005
3	2.2	3450	143JM	<b>EJMM3559T</b>	3.6	33	4.5	87.9	88.2	86.5	81	88	92	6206	6203	E	16.31	CD0005
3	2.2	3450	182JM	<b>EJMM3610T</b>	3.6	33	4.5	87.9	88.2	86.5	81	88	92	6207	6203	E	16.84	CD0005
3	2.2	1760	182JM	<b>EJMM3611T</b>	4.2	32	8.9	87.8	89.5	89.5	54	68	75	6207	6205	E	18.06	CD0005
5	3.7	3450	184JM	<b>EJMM3613T</b>	5.9	57.2	7.6	88.4	89.1	88.5	81	88	91	6207	6205	E	18.06	CD0005
5	3.7	1750	184JM	<b>EJMM3615T</b>	6.7	49.1	14.9	89.7	90.3	89.5	60	72	78	6207	6205	E	19.56	CD0005
7 1/2	5.6	3450	184JM	<b>EJMM3616T</b>	8.4	91	11.4	90.6	90.7	89.5	85	90	93	6207	6205	E	19.56	CD0005
7 1/2	5.6	3470	213JM	<b>EJMM3709T</b>	8.6	63.1	11.1	89.2	90.1	89.5	80	87	90	6309	6206	F	19.81	CD0005
7 1/2	5.6	1770	213JM	<b>EJMM3710T</b>	9.4	70.1	22.4	92.2	92.7	91.7	63	75	81	6309	6206	E1	20.94	CD0005
10	7.5	3490	215JM	<b>EJMM3711T</b>	11.8	78.5	15	91	91.3	90.2	74	84	87	6309	6206	E	19.81	CD0005
10	7.5	1770	215JM	<b>EJMM3714T</b>	12	103	29.5	92.1	92.4	91.7	66	79	85	6309	6206	E	22.44	CD0005
10	7.5	1770	215JP	<b>EJPM3714T</b>	12	103	29.5	92.1	92.4	91.7	66	79	85	6309	6206	E	26.29	CD0005
15	11	3520	254JM	<b>EJMM2394T</b>	17.5	110	22.1	91	91.6	91	77	85	87	6309	6208	E1	25.3	CD0180
15	11	3525	254JP	<b>EJPM2394T</b>	17.8	131	22.2	90.4	91.3	91	73	82	86	6309	6208	E	28.16	CD0180
15	11	1765	254JM	<b>EJMM2333T</b>	18.5	122.9	44.6	91.9	92.6	92.4	66	77	82	6309	6208	E1	25.3	CD0005
15	11	1765	254JP	<b>EJPM2333T</b>	18.5	122.9	44.6	91.9	92.6	92.4	66	77	82	6309	6208	E	28.04	CD0005
20	15	3520	256JM	<b>EJMM4106T</b>	23	161	29.6	92.2	92.4	91	78	86	89	6309	6208	E1	25.3	CD0005
20	15	3510	256JP	<b>EJPM4106T</b>	23	159	29.8	92.2	92.1	91	78	85	89	6309	6208	E	28.16	CD0180
20	15	1765	256JM	<b>EJMM2334T</b>	24	175	59	92.8	93.1	93	69	80	84	6309	6208	E1	25.3	CD0005
20	15	1765	256JP	<b>EJPM2334T</b>	24	121	59	92.8	93.1	93	69	80	84	6309	6208	E1	28.16	CD0005
25	19	3525	284JM	<b>EJMM4107T</b>	29	249	37	89.2	91.2	91.7	75	83	90	6312	6208	E1	26.96	CD0005
25	19	3525	284JP	<b>EJPM4107T</b>	29	249	37	89.2	91.2	91.7	75	83	90	6312	9208	E1	29.84	CD0005
25	19	1770	284JM	<b>EJMM4103T</b>	30	186	74.2	92.3	93.5	93.6	73	81	85	6312	6309	E1	28.64	CD0005
25	19	1770	284JP	<b>EJPM4103T</b>	30	186	74.2	92.3	93.5	93.6	73	81	85	6312	6309	E1	31.51	CD0005
30	22	3520	286JM	<b>EJMM4108T</b>	33	214	44.5	92.8	93.2	91.7	83	89	91	6312	6309	E	28.64	CD0180
30	22	3520	286JP	<b>EJPM4108T</b>	35	211	45.1	92.3	92.9	91.7	77	85	87	6312	6309	E	31.51	CD0180
30	22	1770	286JM	<b>EJMM4104T</b>	36	235	89.1	93.7	94.3	93.6	66	75	83	6312	6309	E1	28.64	CD0005
30	22	1770	286JP	<b>EJPM4104T</b>	36	235	89.1	93.7	94.3	93.6	66	75	73	6312	6309	E1	31.51	CD0005
40	30	3530	324JM	<b>EJMM4109T</b>	45	324	59.5	93.4	93.7	92.4	82	88	90	6312	6309	E	30.64	CD0180
40	30	3530	324JP	<b>EJPM4109T</b>	45	324	59.5	93.4	93.7	92.4	82	88	90	6312	6309	E	33.51	CD0180
40	30	1775	324JM	<b>EJMM4110T</b>	48	338	118	93.5	94.2	94.1	69	78	83	6312	6311	E1	30.65	CD0180
40	30	1775	324JP	<b>EJPM4110T</b>	48	338	118	93.5	94.2	94.1	69	78	83	6312	6311	E1	33.41	CD0180
50	37	3540	326JM	<b>EJMM4114T</b>	56	431	74.1	93.5	94.3	93	78	85	89	6312	6311	E	30.65	CD0180
50	37	3540	326JP	<b>EJPM4114T</b>	56	431	74.1	93.5	94.3	93	78	85	89	6312	6311	E1	33.41	CD0180
50	37	1775	326JM	<b>EJMM4115T</b>	57	392	149	94.4	94.9	94.5	73	82	85	6312	6311	E1	30.65	CD0180
50	37	1775	326JP	<b>EJPM4115T</b>	57	392	149	94.4	94.9	94.5	73	82	85	6312	6311	E1	33.41	CD0180
<b>C-Face Footless</b>																		
1	0.75	1760	143JM	<b>VEJMM3546T</b>	1.5	12.1	3	82.1	84.8	85.5	49	62	71	6206	6203	E	14.43	CD0005
1 1/2	1.1	1760	145JM	<b>VEJMM3554T</b>	2.2	18.3	4.5	84.5	86.8	86.5	51	65	73	6206	6203	E	15.43	CD0005
2	1.5	1755	145JM	<b>VEJMM3558T</b>	2.9	24.3	6	84.2	86.4	86.5	51	64	73	6206	6203	E	16.31	CD0005
3	2.2	1760	182JM	<b>VEJMM3611T</b>	4.2	32	8.9	87.8	89.5	89.5	54	68	75	6207	6205	E	18.05	CD0005
5	3.7	1750	184JM	<b>VEJMM3615T</b>	6.7	49.1	14.9	89.7	90.3	89.5	60	72	78	6207	6205	E	19.7	CD0005
7 1/2	5.6	1770	213JM	<b>VEJMM3710T</b>	9.4	70.1	22.4	92.2	92.7	91.7	63	75	81	6309	6206	E1	20.92	CD0005
10	7.5	1770	215JM	<b>VEJMM3714T</b>	12	103	29.5	92.1	92.4	91.7	66	79	85	6309	6206	E	22.4	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.

See page 86 for Layout drawing. See pages 93 for Connection Diagrams.

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



# Close Coupled Pump Motors – ODP



These motors are designed and manufactured to meet the needs of circulating and transferring fluid applications. The motor flange and shaft are designed to support the pump unit. Close coupled Pump motors include Over-sized ball bearings with locked drive end construction to minimize endplay. Open Drip Proof frame designs include rodent screens on both ends. These Super-E motors meet NEMA Premium Efficiency requirements, have a 1.15 service factor and Class F insulation.



## ODP - Open Drip Proof 230/460 Volts, Three Phase, 1 - 50 Hp

Hp	kW	RPM	Frame	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			
<b>C-Face Foot Mounted</b>																		
1	0.75	1760	143JM	EJMM3116T	1.5	12.1	3	82.1	84.8	85.5	49	62	71	6206	6203	E	13.75	CD0005
1 1/2	1.1	1755	145JM	EJMM3154T	2.2	17.5	4.5	83.5	86	86.5	50	63	72	6206	6203	F	13.75	CD0005
2	1.5	3450	145JM	EJMM3155T	2.5	21.5	3	85.2	86.8	85.5	72	82	87	6206	6203	E	13.75	CD0005
2	1.5	1750	145JM	EJMM3157T	2.9	24.3	6	84.4	86.6	86.5	51	64	73	6206	6203	F	14.25	CD0005
3	2.2	3450	145JM	EJMM3158T	3.8	32.5	4.5	83.8	85.4	85.5	72	82	87	6206	6203	E1	15.13	CD0005
3	2.2	1765	182JM	EJMM3211T	4.2	32.3	8.9	87.5	89.5	89.5	53	66	73	6207	6205	E1	16.5	CD0005
5	3.7	3450	182JM	EJMM3212T	6	50.7	7.7	86.7	87.6	86.5	81	88	91	6207	6205	E	15.12	CD0005
5	3.7	1750	184JM	EJMM3218T	6.6	44.8	15	89.7	90.2	89.5	64	75	80	6207	6205	E	18	CD0005
7 1/2	5.6	3450	184JM	EJMM3219T	8.6	86.3	11.3	88.1	89.2	88.5	80	87	91	6207	6205	E	16.5	CD0005
7 1/2	5.6	1770	213JM	EJMM3311T	9.7	68.2	22.1	90.5	91.4	91	92	73	79	6309	6206	E1	18.19	CD0005
10	7.5	3500	213JM	EJMM3312T	11.4	98	15	90.9	92	90.2	81	87	90	6309	6206	E	19.31	CD0005
10	7.5	3500	213JP	EJPM3312T	11.4	98	15	90.9	92.4	90.2	86	89	90	6309	6206	E	22.07	CD0005
10	7.5	1770	215JM	EJMM3313T	12.5	88.3	29.7	91.6	92.3	91.7	66	77	82	6309	6206	E1	19.31	CD0005
10	7.5	1770	215JP	EJPM3313T	12.5	88.3	29.7	91.7	92.2	91.7	66	77	82	6309	6206	E	22.07	CD0005
15	11	3525	215JM	EJMM3314T	17.5	143	22.5	91.9	92.3	90.2	80	87	89	6309	6206	E	18.19	CD0005
15	11	3525	215JP	EJPM3314T	17.5	143	22.5	91.9	92.3	90.2	80	87	89	6309	6206	E	20.94	CD0005
15	11	1765	254JM	EJMM2513T	17.7	118	44.6	93.3	93.5	93	70	81	86	6309	6208	E1	23.19	CD0180
15	11	1765	254JP	EJPM2513T	17.7	211	44.8	93.7	93.7	93	82	88	90	6309	6208	E	26.06	CD0180
20	15	3510	254JM	EJMM2514T	23.5	153	29.6	90.1	91.2	91	74	83	87	6309	6208	E1	23.19	CD0180
20	15	3525	254JP	EJPM2514T	23.5	139	30	91.4	91.8	91	80	86	88	6309	6208	E1	26.06	CD0180
20	15	1765	256JM	EJMM2515T	23.5	160.8	59.4	92.5	93.2	93	71	81	86	6309	6208	E1	23.19	CD0180
20	15	1765	256JP	EJPM2515T	23.5	160.8	59.4	92.5	93.2	93	71	81	86	6309	6208	E1	26.06	CD0180
25	19	3515	256JM	EJMM2516T	28	197	37.2	91.8	92.3	91.7	79	86	89	6309	6208	E1	23.19	CD0180
25	19	3530	256JP	EJPM2516T	29	204	37	93.2	92.9	91.7	77	83	87	6309	6208	E1	26.06	CD0180
25	19	1760	284JM	EJMM2531T	29	180	74	93.2	93.9	93.6	72	82	86	6312	6309	F	24.69	CD0180
25	19	1760	284JP	EJPM2531T	29	180	74	93.2	93.9	93.6	72	82	86	6312	6309	E1	27.57	CD0180
30	22	3510	284JM	EJMM2534T	33	207	45	92.5	92.6	91.7	87	91	92	6312	6208	F	26.56	CD0005
30	22	3510	284JP	EJPM2534T	33	207	45	92.5	92.6	91.7	87	91	92	6312	6208	F	29.44	CD0005
30	22	1770	286JM	EJMM2535T	35	223.6	88.9	93.6	94.2	94.1	72	82	85	6312	6309	F	25.94	CD0005
30	22	1770	286JP	EJPM2535T	35	223.6	88.9	93.6	94.2	94.1	72	82	85	6312	6309	E1	28.82	CD0005
40	30	3510	286JM	EJMM2538T	45	326	60.7	94.1	93.8	92.4	82	88	90	6312	6208	F	26.56	CD0180
40	30	3510	286JP	EJPM2538T	45	326	60.7	94.1	93.8	92.4	82	88	90	6312	6208	F	29.44	CD0180
40	30	1770	324JM	EJMM2539T	49	330	119	94	94.5	94.1	65	76	82	6312	6309	F	27.44	CD0005
40	30	1775	324JP	EJPM2539T	47	280	118	93.6	94.4	94.1	76	82	84	6312	6311	E1	29.82	CD0180
50	37	3530	324JM	EJMM2542T	55	408	74.2	94.7	94.8	93	82	87	90	6312	6309	E	27.44	CD0180
50	37	3530	324JP	EJPM2542T	55	408	74.2	94.7	94.8	93	82	87	90	6312	6309	F	30.31	CD0180
50	37	1775	326JM	EJMM2543T	57	378	148	94.5	94.9	94.5	75	84	87	6312	6311	F	27.94	CD0180
50	37	1775	326JP	EJPM2543T	57	378	148	94.5	94.9	94.5	75	84	87	6312	6311	E1	30.82	CD0180
<b>C-Face Footless</b>																		
1	0.75	1760	143JM	VEJMM3116T	1.5	12.1	3	82.1	84.8	85.5	49	62	71	6206	6203	E	14.43	CD0005
1 1/2	1.1	1755	145JM	VEJMM3154T	2.2	17.5	4.5	83.5	86	86.5	50	63	72	6206	6203	F	15.43	CD0005
2	1.5	1750	145JM	VEJMM3157T	2.9	24.3	6	84.4	86.6	86.5	51	64	73	6206	6203	F	15.43	CD0005
3	2.2	1765	184JM	VEJMM3211T	4.2	32.3	8.9	87.5	89.5	89.5	53	66	73	6207	6205	E1	18.06	CD0005
5	3.7	1750	184JM	VEJMM3218T	6.6	44.8	15	89.7	90.2	89.5	64	75	80	6207	6205	E	19.56	CD0005
7 1/2	5.6	1770	213JM	VEJMM3311T	9.6	67.5	22.2	89.6	91.5	91	61	74	80	6309	6206	E1	19.78	CD0005
10	7.5	1770	215JM	VEJMM3313T	12	100	26.6	92.4	92.3	91.7	63	77	84	6309	6206	E	22.41	CD0005

**NOTE:** Volt Code: E = 208-230/460V, 60Hz; E1 = 230/460V, 60Hz, usable at 208V; F = 230/460V, 60Hz  
See page 88 for Layout drawing. See pages 93 for Connection Diagrams.  
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

# Close-Coupled Pump SSE Super-E® Stainless Steel Encapsulated Motors

SSE Stainless steel pump motors are well suited to commercial and industrial water pumps, food processing and applications that expose the motor to high pressure washdown and corrosive environments. Their rugged frame design includes stainless steel motor frame, endplates, conduit box, shaft and base. Moisture resistant insulation system. Endplate rabbets have O-ring seals. Conduit box is welded to the motor frame. Patented bearing seal to protect motor bearings. Epoxy encapsulation, Class H insulation. Nameplate information is laser etched onto the frame. NEMA Premium® efficiency. 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			
1	0.75	1760	143JM	TENV	JMSSEWDM3546T	1.5	15	2.98	84.4	87.2	87.8	49	63	72	6206	6205	E	14.94	CD0005
1 1/2	1.1	3500	143JM	TENV	JMSSEWDM3550T	1.8	20.6	2.31	82.3	85.2	86.1	77	86	92	6206	6205	E	15.82	CD0005
1 1/2	1.1	1765	145JM	TEFC	JMSSEWDM3554T	2.2	20	4.49	86	87.9	88.5	52	66	74	6206	6205	E	16.96	CD0005
2	1.5	3500	145JM	TEFC	JMSSEWDM3555T	2.5	31	3	83.7	86	86.6	76	85	90	6206	6205	E	16.96	CD0005
2	1.5	1755	145JM	TEFC	JMSSEWDM3558T	2.7	24.1	5.99	87.3	88.7	88.8	55	69	77	6206	6205	E	18.34	CD0005
3	2.2	3470	145JM	TEFC	JMSSEWDM3559T	3.7	48.3	4.5	86.3	87.2	86.9	79	87	91	6206	6205	E	18.34	CD0005
3	2.2	1760	182JM	TEFC	JMSSEWDM3611T	4.2	34.1	9.04	88.1	89.6	89.7	56	69	76	6207	6206	E1	19.73	CD0005
5	3.7	3500	184JM	TEFC	JMSSEWDM3613T	5.6	62.5	7.5	89	90	89.6	83	89	93	6207	6206	E	18.23	CD0005
5	3.7	1750	184JM	TEFC	JMSSEWDM3615T	6.5	48.3	15.2	90.5	90.7	89.8	64	75	81	6207	6206	E	19.73	CD0005
7 1/2	5.6	3500	213JM	TEFC	JMSSEWDM3709T	8.3	87	11.5	90.9	92.1	91.9	79	90	93	6309	6307	E	21.56	CD0005
7 1/2	5.6	1770	213JM	TEFC	JMSSEWDM3710T	9.5	73	22.3	91.1	92.1	91.7	65	75	81	6309	6307	E	22.75	CD0005
10	7.5	3500	215JM	TEFC	JMSSEWDM3711T	10.6	115	15	92	92.4	91.8	83	91	94	6309	6307	E	22.75	CD0005
10	7.5	1770	215JM	TEFC	JMSSEWDM3714T	12.5	105.2	29.9	92.5	93.1	92.8	65	76	81	6309	6307	E	24.19	CD0180

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

Contact Baldor for Layout Drawings. See pages 93 for Connection Diagrams.

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



# Vertical P-Base – TEFC Normal Thrust

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



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

Hp	kW	RPM	Frame	Catalog No.	Amps @ High V		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				
3	2.2	3500	182HP	VHECP3660T	3.5	37.6	4.5	87.9	89.6	89.5	73	84	89	6307	6206	420	E1	22.18	CD0005
3	2.2	1755	182HP	VHECP3661T	4.1	29.8	9.1	88.9	90.1	89.5	58	70	77	6307	6206	563	E	22.18	CD0005
5	3.7	3490	184HP	VHECP3663T	5.7	64.8	7.5	89.4	90.8	90.2	76	85	90	6307	6206	420	E1	22.18	CD0005
5	3.7	1750	184HP	VHECP3665T	6.5	54	14.9	90.3	91.2	90.2	60	73	80	6307	6206	563	E1	22.18	CD0005
7 1/2	5.6	3525	213HP	VHECP3769T	8.6	75	11.2	90	91.4	91	79	87	90	6309	6206	650	E1	22.33	CD0005
7 1/2	5.6	1770	213HP	VHECP3770T	9.5	68	22.1	91.6	92.3	91.7	65	76	81	6309	6206	563	E1	22.33	CD0005
10	7.5	3500	215HP	VHECP3771T	11.2	120	15	92.7	92.9	91.7	82	89	92	6309	6206	760	E1	22.33	CD0005
10	7.5	1760	215HP	VHECP3774T	12.5	88.5	29.8	92.9	93.1	92.4	67	78	82	6309	6206	563	E1	22.33	CD0005
15	11	3525	254HP	VHECP2394T	17.2	128	22.2	90.8	91.9	91.7	78	86	88	6311	6208	895	E1	25.73	CD0180
15	11	1765	254HP	VHECP2333T	18.5	122.9	44.6	91.9	92.6	92.4	66	77	82	6311	6208	1180	E1	25.73	CD0005
20	15	3540	256HP	VHECP4106T	23	201	29.7	91.1	92.3	92.4	74	84	89	6311	6208	895	E1	25.73	CD0180
20	15	1765	256HP	VHECP2334T	24	175	59	92.8	93.1	93	69	80	84	6311	6208	1180	E1	25.73	CD0005
25	19	3530	284HP	VHECP4107T	28	236	37.2	93	93.5	93	82	89	91	6311	6208	895	E1	25.72	CD0180
25	19	1770	284HP	VHECP4103T	30	186	74.2	92.3	93.5	93.6	73	81	85	6311	6309	1180	E1	30.69	CD0005
30	22	3520	286HP	VHECP4108T	33	281	44.7	93.2	93.5	93	83	89	92	6311	6208	895	E1	25.72	CD0180
30	22	1770	286HP	VHECP4104T	36	246	89	93.8	94.4	94.1	66	75	83	6311	6309	1180	E1	30.69	CD0005
40	30	3540	324HP	VHECP4109T	45	326	59.5	92.3	93.4	93.6	80	87	90	6312	6311	760	E1	34.72	CD0180
40	30	1775	324HP	VHECP4110T	46	320	118	93.9	94.6	94.5	73	81	84	6312	6311	1360	E1	34.72	CD0180
50	37	3540	326HP	VHECP4114T	56	403	74.1	94	94.5	94.1	80	87	89	6312	6311	760	E	34.72	CD0180
50	37	1775	326HP	VHECP4115T	57	392	149	94.4	94.9	94.5	73	82	85	6312	6211	1360	E1	34.72	CD0180
60	45	3560	364HP	VHECP4310T	65.1	398	88.5	95.3	95.5	95	88	91	91	6313	6313	1500	E1	35.25	416820-2
60	45	1780	364HP	VHECP4314T	68	430	177	95.2	95.3	95	79	85	87	6313	6313	2000	E1	35.25	416820-2
75	56	3555	365HP	VHECP4313T	80.7	494	111	95.1	95.4	95	91	92	92	6313	6313	1500	E1	35.25	416820-2
75	56	1780	365HP	VHECP4316T	85.9	542	221	95.7	95.8	95.4	77	84	86	6313	6313	2000	E1	35.25	416820-2

**NOTE:** Volt Code: E = 208-230/460V, 60Hz; E1 = 230/460V, 60Hz, usable at 208V  
See page 85 for Layout drawing. See page 93 for Connection Diagrams.  
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Shaded ratings are cast iron frames.



# HVAC Motors – TEFC with AEGIS Bearing Protection Ring



Designed and manufactured for Heating, ventilation and air conditioning blower and fan motors, pump motors, and other general purpose applications using an adjustable speed drive.

These motors are manufactured with AEGIS® bearing protection ring installed internally. They have regreaseable ball bearings. Motors have dynamically balanced rotors for reduced vibration and quiet operation and are suitable for mounting in any position. All models meet or exceed NEMA Premium® efficiencies and have a Class H insulation system and 1.15 Service Factor. Motors are Inverter Ready, and have a 3-year warranty.



## TEFC – Totally Enclosed Fan Cooled Foot Mounted, 575 Volts, Three Phase, 1 - 50 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps @ High V		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		Voltage	“C” Dim.	Conn. Diag. No.	Notes
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.	DE	ODE				
<b>575 Volts</b>																			
1	0.75	1760	143T	<b>EM3546T-5G</b>	1.2	9.66	2.97	81.9	84.8	85.5	49	62	71	6205	6203	575	12.31	CD0006	-
1 1/2	1.1	1760	145T	<b>EM3554T-5G</b>	1.8	14.6	4.47	84.5	87	86.5	51	65	73	6205	6203	575	13.31	CD0006	-
2	1.5	1755	145T	<b>EM3558T-5G</b>	2.4	19.6	5.95	83.8	86.4	86.5	50	64	73	6205	6203	575	14.19	CD0006	-
3	2.2	1760	182T	<b>EM3611T-5G</b>	3.3	25.9	8.88	87.7	89.5	89.5	54	67	75	6206	6205	575	16.54	CD0006	-
5	3.7	1750	184T	<b>EM3615T-5G</b>	5.3	39.3	14.9	89.6	90.5	89.5	60	72	78	6206	6205	575	18.04	CD0006	-
7 1/2	5.6	1770	213T	<b>EM3710T-5G</b>	7.6	58.5	22.2	91.1	92.3	91.7	61	74	81	6307	6206	575	19.01	CD0006	35
10	7.5	1770	215T	<b>EM3714T-5G</b>	9.6	83.9	29.5	92	92.7	91.7	65	78	85	6307	6206	575	20.51	CD0006	35
15	11	1765	254T	<b>EM2333T-5G</b>	14.8	99	44.5	91.3	92.5	92.4	67	78	82	6309	6208	575	23.16	CD0006	-
20	15	1765	256T	<b>EM2334T-5G</b>	19.2	140	59	92.8	93.1	93	69	80	84	6309	6208	575	23.16	CD0006	-
25	19	1770	284T	<b>EM4103T-5G</b>	23.9	153	74.1	92.4	93.5	93.6	71	80	84	6311	6309	575	27.76	CD0006	-
30	22	1770	286T	<b>EM4104T-5G</b>	29	177	89.2	93.9	94.4	93.6	69	77	83	6311	6309	575	27.76	CD0006	-
40	30	1775	324T	<b>EM4110T-5G</b>	39	267	118	93.6	94.3	94.1	67	77	82	6312	6311	575	30.28	CD0006	-
50	37	1775	326T	<b>EM4115T-5G</b>	46	330	147	95.4	95	94.5	72	82	85	6312	6311	575	30.28	CD0006	35

**NOTE: 35** = Design A motor

Contact Baldor for Layout Drawings. See pages 93 for Connection Diagrams.

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

Shaded ratings are cast iron frames.

# HVAC Motors – ODP with AEGIS Bearing Protection Ring



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

Hp	kW	RPM	Frame	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			
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
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 = 208-230/460V, 60Hz; E1 = 230/460V, 60Hz, usable at 208V; F = 230/460V, 60Hz, G=460V, 60Hz  
Contact Baldor for Layout Drawings. See pages 93 for Connection Diagrams.  
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

# HVAC Motors – TEFC



These motors are used in Heating, ventilation and air conditioning blower and fan motors in applications suitable for an enclosed motor design. Designed and manufactured with heavy-gauge steel frame construction, ball bearings, grease passages have plugs. Dynamically balanced rotors provide reduced vibration and quiet operation. They are suitable for mounting in any position and includes lifting provisions on all frame sizes. A bar-coded spec number label is included for convenience. All models meet NEMA Premium® efficiencies and have Class F insulation with a 1.15 service factor. Motors are Inverter Ready and have a 3-year warranty.



## TEFC – Totally Enclosed Fan Cooled Foot Mounted, Three Phase, 1 - 100 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps @ High V		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		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			
<b>230/460 Volts</b>																		
1	0.75	1760	143T	<b>EHM3546T</b>	1.5	12.1	2.97	82.1	84.8	85.5	49	62	71	6205	6203	E	12.31	CD0005
1 1/2	1.1	1760	145T	<b>EHM3554T</b>	2.2	18.3	4.47	84.5	86.8	86.5	51	65	73	6205	6203	E	13.29	CD0005
2	1.5	1750	145T	<b>EHM3558T</b>	2.9	23.7	6.01	85.4	86.9	86.5	53	67	75	6205	6203	E	13.29	CD0005
3	2.2	1760	182T	<b>EHM3611T</b>	4.2	32	8.88	87.8	89.5	89.5	54	68	75	6206	6205	E	16.54	CD0005
5	3.7	1750	184T	<b>EHM3615T</b>	6.7	49.1	14.9	89.7	90.3	89.5	60	72	78	6206	6205	E	18.04	CD0005
7 1/2	5.6	1770	213T	<b>EHM3710T</b>	9.4	71.6	22.2	91.8	92.4	91.7	62	75	81	6307	6206	E	19.03	CD0005
10	7.5	1770	215T	<b>EHM3714T</b>	12	103	29.5	92.1	92.4	91.7	66	79	85	6307	6206	E	20.53	CD0005
15	11	1765	254T	<b>EHM2333T</b>	18.5	122.9	44.6	91.9	92.6	92.4	66	77	82	6309	6208	E	23.16	CD0005
20	15	1765	256T	<b>EHM2334T</b>	24	175	59	92.8	93.1	93	69	80	84	6309	6208	E	23.16	CD0005
25	19	1780	284T	<b>EHM4103T</b>	30	188	74	93.4	93.9	93.6	68	78	83	6311	6309	E	27.76	CD0005
30	22	1770	286T	<b>EHM4104T</b>	38	274	88.9	93.4	94.2	93.6	60	70	79	6311	6309	E	27.76	CD0005
40	30	1775	324T	<b>EHM4110T</b>	48	370	118	93.7	94.6	94.1	66	76	82	6312	6311	E	30.28	CD0180
50	37	1775	326T	<b>EHM4115T</b>	57	392	149	94.4	94.9	94.5	73	82	85	6312	6311	E1	30.28	CD0180
<b>575 Volt</b>																		
1	0.75	1760	143T	<b>EHM3546T-5</b>	1.2	9.66	2.97	81.9	84.8	85.5	49	62	71	6205	6203	575	12.31	CD0006
1 1/2	1.1	1760	145T	<b>EHM3554T-5</b>	1.8	14.6	4.47	84.5	87	86.5	51	65	74	6205	6203	575	13.29	CD0006
2	1.5	1755	145T	<b>EHM3558T-5</b>	2.4	19.6	5.95	83.8	86.4	86.5	50	64	73	6205	6203	575	14.19	CD0006
3	2.2	1760	182T	<b>EHM3611T-5</b>	3.3	25.9	8.88	87.7	89.5	89.5	54	67	75	6206	6205	575	16.54	CD0006
5	3.7	1750	184T	<b>EHM3615T-5</b>	5.3	39.3	14.9	89.6	90.5	89.5	60	72	78	6206	6205	575	18.04	CD0006
7 1/2	5.6	1770	213T	<b>EHM3710T-5</b>	7.6	58.5	22.2	91.1	92.3	91.7	61	74	81	6307	6206	575	19.03	CD0006
10	7.5	1770	215T	<b>EHM3714T-5</b>	9.6	83.9	29.5	92	92.7	91.7	65	78	85	6307	6206	575	20.53	CD0006
15	11	1765	254T	<b>EHM2333T-5</b>	14.8	99	44.5	91.3	92.5	92.4	67	78	82	6309	6208	575	23.16	CD0006
20	15	1765	256T	<b>EHM2334T-5</b>	19.2	140	59	92.8	93.1	93	69	80	84	6309	6208	575	23.16	CD0006
25	19	1770	284T	<b>EHM4103T-5</b>	23.9	153	74.1	92.4	93.5	93.6	71	80	84	6311	6309	575	27.76	CD0006
30	22	1770	286T	<b>EHM4104T-5</b>	29	177	89.2	93.9	94.4	93.6	69	77	84	6311	6309	575	27.76	CD0006
40	30	1775	324T	<b>EHM4110T-5</b>	39	267	118	93.6	94.3	94.1	67	77	82	6312	6311	575	30.28	CD0006
50	37	1775	326T	<b>EHM4115T-5</b>	45.6	318	149	94.4	94.9	94.5	81	80	88	6312	6311	575	30.28	CD0006
<b>200 Volt</b>																		
15	11	1765	254T	<b>EHFM2523T-8</b>	40.7	40.7	44.6	93.3	93.5	93	70	81	86	6309	6208	200	21.69	CD0695

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

Contact Baldor for Layout Drawings. See pages 93 for Connection Diagrams.

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

Shaded ratings are cast iron frames.





## HVAC Motors – ODP with Resilient Base



### ODP – Open Drip Proof 208-230/460 Volt, Three Phase, 3 - 5 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps @ High V		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		
3	2.2	3450	56HZ	ERM3158TA	3.8	32.5	4.5	84.3	86	85.5	72	82	87	6205	6203	13.64	CD0005
5	3.7	3450	145TY	ERHM3162TA	6.1	60.4	7.65	88.5	88.4	86.5	76	85	89	6205	6203	15.02	CD0007

**NOTE:** Contact Baldor for Layout Drawings. See pages 93 for Connection Diagrams. Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

## Super-E® Chiller/Cooling Tower Motors



Chiller/Cooling Tower motors are for use in the airstream on chillers and cooling towers and are a direct replacement for most OEM applications. Designed for wet, high humidity environments they feature: corrosion resistant epoxy finish; double sealed bearings filled with moisture resistant grease; shaft seal/slinger; moisture resistant copper windings double dipped and baked; stainless steel nameplates and corrosion resistant hardware. "ECTM" model Super-E® motors meet NEMA Premium® efficiency, have Class F insulation with 1.15 service factor and operate within class "B" temperature limits at rated horsepower.



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

Hp	kW	RPM	Frame	Catalog No.	Amps @ High V		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	1750	184T	ECTM3665T	6.6	45.5	15	89.6	89.6	89.5	62	74	79	6206	6205	E	13.68	CD0005	1200
5	3.7	1160	215T	ECTM3768T	7.3	51.9	22.8	90.1	90.8	90.2	54	65	72	6307	6206	E1	19.54	CD0005	1200
7 1/2	5.6	1770	213T	ECTM3770T	9.5	68	22.1	91.1	91.9	91.7	65	76	81	6307	6206	E	19.54	CD0005	1500
7 1/2	5.6	1180	254T	ECTM2276T	10.7	67	32.4	89.3	90.7	91	53	64	70	6309	6208	E1	20.75	CD0005	1500
10	7.5	1760	215T	ECTM3774T	12.2	81	29.8	92.5	92.9	91.7	71	80	83	6307	6206	E	19.54	CD0005	1500
10	7.5	1180	256T	ECTM2332T	14.4	95.1	44.4	89.9	91.3	91	55	65	71	6309	6208	E1	20.75	CD0180	1500
15	11	1765	254T	ECTM2333T	18.5	122.9	44.6	91.9	92.6	92.4	66	77	82	6309	6208	E1	20.75	CD0005	1500
15	11	1180	284T	ECTM4100T	20	118	65.7	90.6	92	91.7	58	69	75	6311	6309	F	25.63	CD0180	1500
20	15	1765	256T	ECTM2334T	24	175	59	92.8	93.1	93	69	80	84	6309	6208	E1	20.75	CD0005	1500
20	15	1180	286T	ECTM4102T	27	165	89.4	91.1	91.9	91.7	60	71	77	6311	6309	E1	25.63	CD0180	1500
25	19	1770	284T	ECTM4103T	30	186	74.2	92.3	93.5	93.6	73	81	85	6311	6309	E1	25.63	CD0005	1500
25	19	1180	324T	ECTM4111T	32	198	111	92.8	93.5	93	65	75	79	6312	6311	E1	28.38	CD0180	1500
30	22	1760	286T	ECTM4104T	38	270	88.7	92.3	93.5	93.6	63	73	80	6311	6309	F	25.63	CD0180	1500
30	22	1180	326T	ECTM4117T	39	243	133	92.5	93.2	93	62	73	78	6312	6311	E1	28.38	CD0005	1500
40	30	1775	324T	ECTM4110T	48	338	118	93.5	94.2	94.1	69	78	82	6312	6311	E1	28.38	CD0180	1500
40	30	1190	364T	ECTM4308T	49.4	290	177	93.6	94.3	94.1	69	77	81	6313	6313	E1	29.7	416820-2	2000
50	37	1775	326T	ECTM4115T	57	392	149	94.4	94.9	94.5	73	82	85	6312	6311	E1	28.38	CD0180	2000
50	37	1185	365T	ECTM4312T	61.7	345	221	93.9	94.4	94.1	70	78	81	6313	6313	E1	29.7	416820-2	2000
60	45	1780	364T	ECTM4314T	68	447	177	94.7	95.2	95	74	82	86	6313	6313	E1	29.7	416820-2	2000
60	45	1185	404T	ECTM4403T	69	455	265	94	94.7	95	69	78	83	6316	6316	F	34.68	416820-2	2000
75	56	1780	365T	ECTM4316T	85.9	649	222	94.9	95.5	95.4	73	81	85	6313	6313	E1	29.7	416820-2	2000

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

See page 90 for Layout drawing. See pages 93 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® Premium Efficient Motors

## Single Phase – TEFC

Baldor•Reliance Super-E single phase motors provide energy savings on pump, fan, conveyor, machine tool, gear reducer and other applications where continuous operation is required. Rugged enclosure includes a heavy gauge steel frames and a heavy duty base seam welded to the frame, ball bearings and gasketed conduit box and capacitor cover. The Super-E electrical design is capacitor start/capacitor run and includes low loss electrical grade lamination steel, dynamically balanced rotors, a “Snap Action” starting switch and 1.15 service factor.



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

Hp	kW	RPM	Frame	Catalog No.	Amps @ High V		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		Volt Code	“C” Dim.	Conn. Diag. No.	Notes
					Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE				
1/4	0.18	1745	48	EL3403	1.25	9.1	0.75	62.6	70.8	74	73	79	89	6203	6203	B	11.35	CD0055	13
1/3	0.25	3450	48	EL3405	1.6	14.5	0.49	57.6	66.3	72	88	93	96	6203	6203	A	11.35	CD0055	13
1/3	0.25	1740	56	EL3501	1.6	11	1	68.6	75.5	77	80	83	88	6203	6203	B	11.97	CD0055	13
1/2	0.37	3450	56	EL3503	2.5	20	0.75	66.6	72.5	68	72	83	84	6203	6203	B	11.97	CD0055	12
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	12
3/4	0.56	3450	56	EL3506	3.9	28.8	1.15	64.9	70.4	72	72	81	86	6203	6203	B	11.97	CD0055	12
3/4	0.56	1755	56	EL3507	3.15	30	2.25	79.8	83.8	82.5	78	85	90	6205	6203	A	13.25	CD0055	12
1	0.75	3450	56/56H	EL3509	4.7	38	1.5	63.9	70.8	74	91	94	94	6205	6203	A	12.93	CD0055	12
1	0.75	1760	56H	EL3510	4.25	40	3	77	83.2	82.5	84	87	91	6205	6203	B	13.81	CD0055	36
1 1/2	1.1	1760	56H	EL3514	6.3	51	4.5	84.4	86.2	84	85	92	94	6205	6203	B	15.18	CD0055	36
1 1/2	1.1	1760	145T	EL3514T	6.3	51	4.5	84.4	86.2	86.2	85	92	94	6205	6203	B	15.55	CD0055	-
2	1.5	3450	145T	EL3515T	8.3	58.5	2.99	72.7	77.8	77	97	98	96	6205	6203	A	14.18	CD0055	-
2	1.5	1740	182T	EL3605T	8.8	62.4	6.1	82.1	84	82.5	82	87	90	6206	6205	B	16.56	CD0055	-
3	2.2	3450	182T	EL3606T	12.4	83.7	4.71	81.2	82.8	82	99	99	98	6206	6205	B	16.56	CD0055	2
3	2.2	1755	184T	EL3609T	11.8	85	9	83.1	85.9	85.5	96	97	96	6206	6205	C	18.06	CD0017A02	-
5	3.7	3450	184T	EL3608T	19.4	145	7.52	85.4	86.6	85	99	99	98	6206	6205	C	18.06	CD0017A02	2
5	3.7	1735	182T	EL3612T	19.1	127	15	83.6	86.8	86.5	96	97	97	6206	6205	C	18.06	CD0017A02	2

**NOTE:** Volt Code: A= 115/208-230V, 60Hz; B = 115/230V, 60Hz; C = 230V, 60Hz; D=208-230V, 60Hz  
**2** = 1.00 Service Factor  
**12** = 1.25 Service Factor  
**13** = 1.35 Service Factor  
**36** = Can mount as NEMA 56, 143T & 145T frames with NEMA 56 frame shaft dimensions.  
 See page 92 for Layout drawing. See page 94 for Connection Diagrams.  
 Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

# Super-E® Premium Efficient Motors

## Single Phase – ODP



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

Hp	kW	RPM	Frame	Catalog No.	Amps @ High V		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		Volt Code	"C" Dim.	Conn. Diag. No.	Notes
					Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE				
1/4	0.18	1745	48	EL1203	1.3	9.1	0.75	62.2	69.5	74	73	80	89	6203	6203	B	9.76	CD0055	13
1/3	0.25	3450	48	EL1205	1.6	14.5	0.49	57.6	66.3	72	88	93	96	6203	6203	A	9.76	CD0055	13
1/3	0.25	1740	56	EL1301	1.6	11	1	68.6	75.5	77	74	82	88	6203	6203	B	10.13	CD0055	13
1/2	0.37	3450	56	EL1303	2.5	19.95	0.75	66.6	72.5	68	72	83	84	6203	6203	B	10.13	CD0055	12
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	CD0055	12
3/4	0.56	3450	56	EL1306	3.9	28.75	1.15	64.9	70.4	72	72	81	86	6203	6203	B	11	CD0055	12
3/4	0.56	1755	56	EL1307	3.3	33.6	2.25	80.4	83.6	84	75	82	90	6205	6203	A	12.06	CD0055	12
1	0.75	3450	56	EL1309	5.1	42.75	1.5	70.1	74.9	74	65	77	82	6203	6203	A	11	CD0055	12
1	0.75	1755	56	EL1310	4.3	40.5	3	80.7	83.6	84	80	88	91	6205	6203	A	12.94	CD0055	-
1 1/2	1.1	3450	56H	EL1313	6.2	47	2.3	72.7	78.6	80	100	99	96	6203	6203	A	12.25	CD0055	36
1 1/2	1.1	1755	56H	EL1319	6.3	55	4.5	84.9	86.6	85.5	67	79	94	6205	6203	A	14	CD0055	36
1 1/2	1.1	1755	143T	EL1319T	6.3	55	4.5	84.9	86.6	85.5	67	79	94	6205	6203	A	13	CD0055	-
2	1.5	3450	56H	EL1317	9	60	3	72.9	79.7	75.5	93	95	93	6205	6203	B	11.75	CD0055	-
2	1.5	1740	182T	EL1405T	8.8	62.4	6.1	81.6	83.9	82.5	85	90	90	6206	6205	B	15.87	CD0055	-
3	2.2	3450	182T	EL1406T	12.3	78	4.56	77.6	81.1	81	98	98	98	6206	6205	B	15	CD0055	-
3	2.2	1750	184T	EL1408T	11.2	70.2	9	85	88	85.5	98	99	98	6206	6205	D	16.5	CD0017A02	-
5	3.7	3450	184T	EL1409T	20	114	7.39	79	82	81.5	98	98	97	6206	6205	C	15	CD0017A02	-
5	3.7	1735	184T	EL1410T	19.1	129	15	83	86.6	86.5	95	96	97	6206	6205	C	18	CD0017A02	-

**NOTE:** Volt Code: A= 115/208-230V, 60Hz; B = 115/230V, 60Hz; C = 230V, 60Hz; D=208-230V, 60Hz

**12** = 1.25 Service Factor

**13** = 1.35 Service Factor

**36** = Can mount as NEMA 56, 143T & 145T frames with NEMA 56 frame shaft dimensions.

See page 92 for Layout drawing. See page 94 for Connection Diagrams.

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

# Super-E® Premium Efficient 200 Volt Motors – TEFC

These motors are typically used on pumps, fans, compressors, blowers, machine tools, conveyors and many other applications requiring 200 volt power. Features include a rugged totally enclosed Steel Band or Cast Iron frame, positively locked drive end bearing on 254T and larger, ball bearings and dynamically balanced rotors. The Super-E® electrical design meets NEMA Premium® efficiency and has a 1.15 Service Factor. 3 year warranty.



## TEFC – Totally Enclosed Fan Cooled Foot Mounted, Three Phase, 1 - 50 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps @ High V		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		"C" Dim.	Conn. Diag. No.	Notes
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.	DE	ODE			
1	0.75	1760	143T	EM3546T-8	3.5	27.4	3	82.3	84.6	85.5	50	62	71	6205	6203	12.31	CD0006	68
1 1/2	1.1	1760	145T	EM3554T-8	5	42.2	4.5	85.1	87.5	86.5	51	65	74	6205	6203	13.31	CD0006	68
2	1.5	1750	145T	EM3558T-8	6.8	55.5	6	83.9	86.4	86.5	51	64	73	6205	6203	14.19	CD0006	68
3	2.2	3460	182T	EM3660T-8	8.8	72.2	4.7	85.9	87.3	86.5	75	84	88	6206	6205	15.24	CD0006	68
3	2.2	1755	182T	EM3661T-8	9.5	68.9	9	88.3	89.7	89.5	58	70	77	6206	6205	15.24	CD0006	68
5	3.7	3475	184T	EM3663T-8	14.5	120	7.5	87.8	89.1	88.5	63	76	83	6206	6205	15.24	CD0006	68
5	3.7	1750	184T	EM3665T-8	15.1	103	15	90.5	90.3	89.5	63	74	80	6206	6205	15.24	CD0006	68
7 1/2	5.6	3525	213T	EM3769T-8	19.8	173	11.2	90	91.4	91	79	87	90	6307	6206	18.45	CD0006	68
7 1/2	5.6	1770	213T	EM3770T-8	21.4	148	22.1	91.5	92.1	91.7	68	78	82	6307	6206	18.45	CD0006	68
10	7.5	3500	215T	EM3771T-8	26.8	192	14.9	92.9	93.1	90.2	80	89	91	6307	6206	18.45	CD0006	68
10	7.5	1760	215T	EM3774T-8	28	186	29.8	92.6	93.1	91.7	71	80	83	6307	6206	18.45	CD0006	68
15	11	3525	254T	EM2394T-8	40	262	22.2	90.6	91.4	91	79	86	89	6309	6208	23.16	CD0006	68
15	11	1765	254T	EM2333T-8	42.4	282	44.6	91.9	92.6	92.4	66	76	82	6309	6208	23.16	CD0006	30,68
20	15	3510	256T	EM4106T-8	52	347	29.9	92.1	92.1	91	80	87	90	6309	6208	23.16	CD0006	24,69
20	15	1765	256T	EM2334T-8	55.2	402	59	92.8	93.1	93	69	80	84	6309	6208	23.16	CD0695	24,30,69
25	19	3520	284TS	EM4107T-8	65	442	37.3	92.9	92.8	91.7	81	87	90	6311	6208	25.7	CD0006	24,69
25	19	1770	284T	EM4103T-8	68.4	431	74.2	92.4	93.6	93.6	72	81	84	6311	6309	27.76	CD0695	24,69
30	22	3520	286TS	EM4108T-8	76	600	44.7	93.2	93	91.7	80	87	91	6311	6208	24.7	CD0695	24,69
30	22	1770	286T	EM4104T-8	84	560	89	93.5	94.3	93.6	64	73	82	6311	6309	27.76	CD0006	24,69
40	30	1775	324T	EM4110T-8	111	758	118	93.6	94.4	94.1	68	77	82	6312	6311	30.28	CD0006	24,69
50	37	1775	326T	EM4115T-8	131	897	149	94.4	94.9	94.5	71	81	88	6312	6311	30.28	CD0695	24,69

**NOTE:** 24 = Part Winding Start or DOL

30 = Usable at 208 volts

68 = 3 lead design

69 = 6 lead suitable for part winding start on 200 volts.

See page 93 for Connection Diagrams. See page 68 for dimensions.

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

Shaded ratings are cast iron frames.



# Super-E® Premium Efficient 200 Volt Motors – ODP

These motors are typically used on pumps, fans, compressors, blowers, machine tools, conveyors and many other applications requiring 200 volt power. Features include a rugged Open design Steel Band or Cast Iron frame, positively locked drive end bearing on 254T and larger, ball bearings and dynamically balanced rotors. The Super-E® electrical design meets NEMA Premium® efficiency and has a 1.15 Service Factor. 3 year warranty.



## ODP – Open Drip Proof Foot Mounted, Three Phase, 1 - 100 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps @ High V		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		“C” Dim.	Conn. Diag. No.	Notes	
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.	DE	ODE				
<b>F1 Mounting</b>																			
1	0.75	1760	143T	<b>EM3116T-8</b>	3.5	27.4	3	82.3	84.6	85.5	50	62	71	6205	6203	11.12	CD0006	68	
1 1/2	1.1	1755	145T	<b>EM3154T-8</b>	5.1	39.6	4.5	83.1	85.9	86.5	51	64	73	6205	6203	11.62	CD0006	68	
2	1.5	1750	145T	<b>EM3157T-8</b>	6.5	49.1	6	84.5	86.5	86.5	56	69	77	6205	6203	12.12	CD0006	68	
3	2.2	1765	182T	<b>EM3211T-8</b>	9.7	75.1	8.9	87.4	89.4	89.5	53	66	73	6206	6205	15	CD0006	68	
5	3.7	1750	184T	<b>EM3218T-8</b>	15.3	105	15	89.1	89.9	89.5	63	74	79	6206	6205	16.5	CD0006	68	
7 1/2	5.6	1770	213T	<b>EM3311T-8</b>	22.2	154	22.2	90.5	91.3	91	63	74	80	6307	6206	16.32	CD0006	68	
10	7.5	1770	215T	<b>EM3313T-8</b>	29.5	215	29.7	91.7	92.2	91.7	62	74	80	6307	6206	17.45	CD0006	68	
15	11	1765	254T	<b>EM2513T-8</b>	40.7	271	44.6	93.3	93.5	93	70	81	86	6309	6208	21.69	CD0006	68	
20	15	3510	254T	<b>EM2514T-8</b>	52.3	336	29.9	93.5	93.3	91	72	81	89	6309	6208	21.69	CD0695	24,69	
20	15	1765	256T	<b>EM2515T-8</b>	54.3	373	59	92.1	93	93	65	75	85	6309	6208	21.69	CD0695	24,69	
25	19	3520	256T	<b>EM2516T-8</b>	63.2	475	37	91.3	92.8	91.7	78	85	91	6309	6208	21.69	CD0695	24,69	
25	19	1770	284T	<b>EM2531T-8</b>	69.5	438	74.1	93.4	94.2	93.6	69	79	83	6311	6309	23.81	CD0695	24,69	
30	22	1770	286T	<b>EM2535T-8</b>	81	514	88.9	93.6	94.2	94.1	72	82	85	6311	6309	25.06	CD0695	24,69	
40	30	3540	286TS	<b>EM2538T-8</b>	105	825	59.8	94.4	94.7	92.4	79	85	88	6311	6309	23.69	CD0695	24,69	
40	30	1775	324T	<b>EM2539T-8</b>	107	730	118	93.1	94.2	94.1	67	78	85	6312	6311	26.69	CD0695	24,69	
50	37	1775	326T	<b>EM2543T-8</b>	132	877	148	93.6	94.4	94.5	70	80	87	6312	6311	27.69	CD0695	24,69	
60	45	1775	364T	<b>EM2547T-8</b>	160	1080	177	94.9	95.3	95	77	85	87	6313	6311	30.69	CD0695	24,69	
75	56	1780	365T	<b>EM2551T-8</b>	199	1175	222	95.4	95.7	95	76	83	86	6313	6313	29.7	416820-15	24,69	
100	75	1780	404T	<b>EM2555T-8</b>	263	1745	295	95.4	95.8	95.4	69	79	86	6316	6312	36.97	CD0695	24,69	
<b>F2 Mounting</b>																			
2	1.5	1750	145T	<b>EFM3157T-8</b>	6.5	49.1	6	84.5	86.5	86.5	56	69	77	6205	6203	12.12	CD0006	68	
3	2.2	1765	182T	<b>EFM3211T-8</b>	9.7	75.1	8.9	87.4	89.4	89.5	53	66	73	6206	6205	15	CD0006	68	
5	3.7	1750	184T	<b>EFM3218T-8</b>	15.3	105	15	89.1	89.9	89.5	63	74	79	6206	6205	16.5	CD0006	68	
7 1/2	5.6	1770	213T	<b>EFM3311T-8</b>	22.3	157	22.1	89.6	91.3	91	62	73	79	6307	6206	16.32	CD0006	68	
10	7.5	1770	215T	<b>EFM3313T-8</b>	29.5	215	29.7	91.7	92.2	91.7	62	74	80	6307	6206	17.45	CD0006	68	
15	11	1765	254T	<b>EFM2513T-8</b>	40.7	271	44.6	93.3	93.5	93	70	81	86	6309	6208	21.69	CD0006	68	
20	15	1765	256T	<b>EFM2515T-8</b>	54.3	373	59	92.1	93	93	65	75	85	6309	6208	21.69	CD0695	24,69	

NOTE: 24 = Part Winding Start or DOL.

68 = 3 lead design

69 = 6 lead suitable for part winding start on 200 volts.

See page 93 for Connection Diagrams. See page 77 for dimensions.

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

Shaded ratings are cast iron frames.

# Unit Handling Motors



These Baldor•Reliance motors are designed and manufactured for use in Unit and baggage handling, conveyors, packaging equipment, machine tools, hoists, elevators and door operators.

Motors are a Super-E® design with NEMA Premium® efficiency, Class F insulation, 1.15 service factor and are Inverter Ready. 143-145TY and 143-145TCY frame motors have a special base with 56, 143 and 145 slots used on OEM conveyors. 56-140 frames have low profile F3 top-mounted conduit box. 3 year warranty on Super-E® motors. UL/CSA recognized and CE certified.



## TEFC – Totally Enclosed Fan Cooled 208-230/460 & 575 Volt, Three Phase, 1/2 - 7 1/2 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps @ High 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		
<b>C-Face Foot Mounted - 208-230/460 Volt</b>																	
1	0.75	1760	143TCY	CEUHM3546T	1.5	12.1	3	82.1	84.8	85.5	49	62	71	6205	6203	13.29	CD0005
1 1/2	1.1	1760	145TYC	CEUHM3554T	2.2	18.3	4.5	84.5	86.8	86.5	51	65	73	6205	6203	13.29	CD0005
2	1.5	1755	145TCY	CEUHM3558T	2.9	24.3	6	84.2	86.4	86.5	51	64	73	6205	6203	14.17	CD0005
3	2.2	1760	182TC	CEUHM3611T	4.2	32	8.9	87.8	89.5	89.5	54	68	75	6206	6205	16.55	CD0005
5	3.7	1750	184TC	CEUHM3615T	6.7	49.1	14.9	89.7	90.3	89.5	60	72	78	6206	6205	18.05	CD0005
<b>C-Face Footless - 208-230/460 Volt</b>																	
1/2	0.37	1735	56C	VEUHM3538	0.8	5.6	1.5	80.3	82.5	82.5	52	65	74	6205	6203	13.23	CD0005
1/2	0.37	1750	56C	VEUHM3542	1.1	9.7	2.2	80.3	83.8	84	49	63	72	6205	6203	13.23	CD0005
1	0.75	1760	56C	VEUHM3546	1.5	12.1	3	82.1	84.8	85.5	49	62	71	6205	6203	13.23	CD0005
1	0.75	1760	143TC	VEUHM3546T	1.5	12.1	3	82.1	84.8	85.5	49	62	71	6205	6203	13.29	CD0005
1 1/2	1.1	1760	145TC	VEUHM3554T	2.2	18.3	4.5	84.5	86.8	86.5	51	65	73	6205	6203	13.29	CD0005
2	1.5	1755	145TC	VEUHM3558T	2.9	24.3	6	84.2	86.4	86.5	51	64	73	6205	6203	14.17	CD0005
3	2.2	1760	182TC	VEUHM3611T	4.2	32	8.9	87.8	89.5	89.5	54	68	75	6206	6205	16.55	CD0005
5	3.7	1750	184TC	VEUHM3615T	6.7	49.1	14.9	89.7	90.3	89.5	60	72	78	6206	6205	18.05	CD0005
7 1/2	5.6	1770	213TC	VEUHM3710T	9.4	71.6	22.3	91.8	92.4	91.7	62	75	81	6307	6206	19.76	CD0005
<b>C-Face Footless - 575 Volt</b>																	
1	0.75	1760	143TC	VEUHM3546T-5	1.2	9.7	3	81.9	84.8	85.5	49	62	71	6205	6203	13.29	CD0006
1 1/2	1.1	1760	145TC	VEUHM3554T-5	1.8	14.6	4.5	84.5	87	86.5	51	65	74	6205	6203	13.29	CD0006
2	1.5	1755	145TC	VEUHM3558T-5	2.4	19.6	6	83.8	86.4	86.5	50	64	73	6205	6203	14.17	CD0006

**NOTE:** See page 91 for Layout drawing. See page 93 for Connection Diagrams. Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

# Unit Handling D-Series Brake Motors

These Baldor•Reliance motors are designed and manufactured for use in Unit and baggage handling, conveyors, packaging equipment, machine tools, hoists, elevators and door operators.

Motors are a Super-E® design with NEMA Premium® efficiency, Class F insulation, 1.15 service factor and are Inverter Ready. Dodge “D” Series brakes are spring set, magnetically released power off type brakes flange mounted to the motor. Brakes are single phase with built-in rectifier to DC. Brakes have a manual release lever. Leads are brought to the motor conduit box for connecting to the motor leads (56-140 frames) or connecting separately (180-210 frames). 56-140 frames have low profile F3 top-mounted conduit box. D series brake motors can be universally mounted. Inverter ready.

143-145TY and 143-145TCY frame motors have a special base with 56, 143 and 145 slots used on OEM conveyors. UL/CSA recognized and CE certified.



## TEFC – Totally Enclosed Fan Cooled 208-230/460 & 575 Volt, Three Phase, 1/2 - 7 1/2 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps @ High V		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		Volt Code	“C” Dim.	Conn. Diag. No.	Brake Rating Lb-Ft²
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.	DE	ODE				
<b>Foot Mounted - 208-230/460 Volt</b>																			
2	1.5	1750	145TY	EBM3558T-D	2.9	23.7	6	85.4	86.9	86.5	53	67	75	6205	6205	E	17.35	CD0005	10
3	2.2	1760	182T	EBM3611T-D	4.1	32	9	89.1	90	89.5	58	73	77	6206	6205	E	21.64	CD0005	15
5	3.7	1750	184T	EBM3615T-D	6.7	49.1	14.9	89.7	90.3	89.5	60	72	78	6206	6205	E	23.14	CD0005	25
7 1/2	5.6	1770	213T	EBM3710T-D	9.4	71.6	22.3	91.8	92.4	91.7	62	75	81	6307	6206	E	25.42	CD0005	25
10	7.5	1770	215T	EBM3714T-D	12	103	29.5	92.1	92.4	91.7	66	79	85	6307	6206	E	26.92	CD0005	50
<b>C-Face Foot Mounted - 208-230/460 Volt</b>																			
2	1.5	1750	145TCY	CEBM3558T-D	2.9	23.7	6	85.4	86.9	86.5	53	67	75	6205	6205	E	17.35	CD0005	10
3	2.2	1760	182TC	CEBM3611T-D	4.1	32	9	89.1	90	89.5	58	73	77	6206	6205	E	21.64	CD0005	15
5	3.7	1750	184TC	CEBM3615T-D	6.7	49.1	14.9	89.7	90.3	89.5	60	72	78	6206	6205	E	23.14	CD0005	25
7 1/2	5.6	1770	213TC	CEBM3710T-D	9.4	71.6	22.3	91.8	92.4	91.7	62	75	81	6307	6206	E	26.17	CD0005	25
10	7.5	1770	215TC	CEBM3714T-D	12	103	29.5	92.1	92.4	91.7	66	79	85	6307	6206	E	27.67	CD0005	35
<b>C-Face Footless - 208-230/460 Volt</b>																			
1	0.75	1760	56C	VEBM3546-D	1.5	12.1	3	82.1	84.8	85.5	49	62	71	6205	6205	E	16.29	CD0005	6
1	0.75	1760	143TC	VEBM3546T-D	1.5	12.1	3	82.1	84.8	85.5	49	62	71	6205	6205	E	16.35	CD0005	6
1 1/2	1.1	1760	56C	VEBM3554-D	2.2	18.3	4.5	84.5	86.8	86.5	51	65	73	6205	6205	E	17.29	CD0005	10
1 1/2	1.1	1760	145TC	VEBM3554T-D	2.2	18.3	4.5	84.5	86.8	86.5	51	65	73	6205	6205	E	17.35	CD0005	10
2	1.5	1755	145TC	VEBM3558T-D	2.9	24.3	6	84.2	86.4	86.5	51	64	73	6205	6205	E	18.23	CD0005	10
3	2.2	1760	182TC	VEBM3611T-D	4.2	32	8.9	87.8	89.5	89.5	54	68	75	6206	6205	E	21.64	CD0005	15
5	3.7	1750	184TC	VEBM3615T-D	6.7	49.1	14.9	89.7	90.3	89.5	60	72	78	6206	6205	E	23.14	CD0005	15
7 1/2	5.6	1770	213TC	VEBM3710T-D	9.4	71.6	22.3	91.8	92.4	91.7	62	75	81	6307	6206	E	26.17	CD0005	25
<b>C-Face Footless - 575 Volt</b>																			
1	0.75	1760	143TC	VEBM3546T-5D	1.2	9.66	3	81.9	84.8	85.5	49	62	71	6205	6205	E	16.35	CD0006	6
2	1.5	1755	184TC	VEBM3558T-5D	2.4	19.6	6	83.8	86.4	86.5	50	64	73	6205	6205	H	18.23	CD0006	10
3	2.2	1760	182TC	VEBM3611T-5D	3.1	25.6	9	89.1	90	89.5	58	71	77	6206	6205	H	21.64	CD0006	15
5	3.7	1750	184TC	VEBM3615T-5D	5.2	38	15	89.8	90.5	89.5	61	73	81	6206	6205	H	23.14	CD0006	15
1 1/2	1.1	1760	145TC	VEBM3554T-5D	1.8	14.6	4.5	84.5	87	86.5	51	65	74	6205	6205	H	17.35	CD0006	10

**NOTE:** Contact Baldor for Layout Drawings. See page 93 for Connection Diagrams. Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

# Super-E® Brake Motors – TEFC



Baldor•Reliance Super-E Brake motors are designed and built for industrial Machine tools, conveyors, door operators, speed reducers, any application requiring quick stops and positive hold.

Available in TEFC and ODP enclosures, they feature Spring-set brakes with a power off manual release that resets automatically. Class F insulated with 1.15 service factor. Motors have NEMA Premium® Efficiency and are suitable for inverter use. 230/460V brakes are connected in conduit box allowing for separate connection when used with an inverter.



## TEFC – Totally Enclosed Fan Cooled 230/460 Volts, Three Phase, 1/2 - 30 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps @ High V		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		Volt Code	“C” Dim.	Conn. Diag. No.	Brake Rating	Notes
					Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE					
<b>Foot Mounted</b>																				
1	0.75	1760	1760	<b>EBM3546</b>	1.5	12.1	3	82.1	84.8	85.5	49	62	71	6205	6203	E	16.8	CD0005	6	41
1	0.75	1760	1760	<b>EBM3546T</b>	1.5	12.1	3	82.1	84.8	85.5	49	62	71	6205	6203	E	17.86	CD0005	6	41
1 1/2	1.1	1760	1760	<b>EBM3554T</b>	2.2	18.3	4.5	84.5	86.8	86.5	51	65	73	6205	6203	E	17.86	CD0005	10	41
2	1.5	1755	1755	<b>EBM3558T</b>	2.9	24.3	6	84.2	86.4	86.5	51	64	73	6205	6203	E	18.74	CD0005	10	41
3	2.2	1760	1760	<b>EBM3611T</b>	4.2	32	8.9	87.8	89.5	89.5	54	68	75	6206	6205	E	21.12	CD0005	15	41
5	3.7	1750	1750	<b>EBM3615T</b>	6.7	49.1	14.9	89.7	90.3	89.5	60	72	78	6206	6205	E	22.65	CD0005	25	40
7 1/2	5.6	1770	1770	<b>EBM3710T</b>	9.4	70.1	22.4	92.2	92.7	91.7	63	75	81	6307	6306	E1	27.2	CD0005	35	40
10	7.5	1770	1770	<b>EBM3714T</b>	12	103	29.5	92.1	92.4	91.7	66	79	85	6307	6306	E	29.19	CD0005	50	40
15	11	1765	1765	<b>EBM2333T</b>	18.5	122.9	44.6	91.9	92.6	92.4	66	77	82	6309	6208	E1	33.07	CD0005	75	30
20	15	1765	1765	<b>EBM2334T</b>	24	175	59	92.8	93.1	93	69	80	84	6309	6208	E1	33.57	CD0005	105	30
25	19	1770	1770	<b>EBM4103T</b>	30	186	74.2	92.3	93.5	93.6	73	81	85	6311	6309	E1	39.66	CD0005	105	30
30	22	1780	1780	<b>EBM4104T</b>	37	216	90	93.5	94.1	93.6	67	78	82	6311	6309	E1	42.84	CD0005	125	30
<b>C-Face Footless</b>																				
1/2	0.37	1765	1765	<b>VEBMM3538</b>	0.9	7.5	1.5	77.9	81.9	84	41	54	64	6205	6203	F	15.26	CD0005	3	41,60
3/4	0.56	1750	1750	<b>VEBMM3542</b>	1.1	9.7	2.2	80.3	83.8	84	49	63	72	6205	6203	E	15.26	CD0005	6	41,60
1	0.75	1760	1760	<b>VEBMM3546</b>	1.5	12.1	3	82.1	84.8	85.5	49	62	71	6205	6203	E	16.8	CD0005	6	41
1	0.75	1760	1760	<b>VEBMM3546T</b>	1.5	12.1	3	82.1	84.8	85.5	49	62	71	6205	6203	E	17.86	CD0005	6	41
1 1/2	1.1	1760	1760	<b>VEBMM3554</b>	2.2	18.3	4.5	84.5	86.8	86.5	51	65	73	6205	6203	E	17.8	CD0005	6	41
1 1/2	1.1	1760	1760	<b>VEBMM3554T</b>	2.2	18.3	4.5	84.5	86.8	86.5	51	65	73	6205	6203	E	17.86	CD0005	10	41
2	1.5	1755	1755	<b>VEBMM3558</b>	2.9	24.3	6	84.2	86.4	86.5	51	64	73	6205	6203	E	18.67	CD0005	6	41
2	1.5	1755	1755	<b>VEBMM3558T</b>	2.9	24.3	6	84.2	86.4	86.5	51	64	73	6205	6203	E	18.74	CD0005	10	41
3	2.2	1760	1760	<b>VEBMM3611T</b>	4.2	32	8.9	87.8	89.5	89.5	54	68	75	6206	6205	E	21.11	CD0005	15	41
5	3.7	1750	1750	<b>VEBMM3615T</b>	6.7	49.1	14.9	89.7	90.3	89.5	60	72	78	6206	6205	E	23.06	CD0005	25	40
7 1/2	5.6	1770	1770	<b>VEBMM3710T</b>	9.4	70.1	22.4	92.2	92.7	91.7	63	75	81	6307	6306	E1	27.95	CD0005	35	40
10	7.5	1770	1770	<b>VEBMM3714T</b>	12	103	29.5	92.1	92.4	91.7	66	79	85	6307	6306	E	29.95	CD0005	50	40

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

**40** = Brakes may be mounted for vertical mounting with brake below the motor.

**41** = Brakes may be mounted for vertical mounting with brake above or below the motor.

**60** = TENV - Totally Enclosed Non-Ventilated Enclosure

See page 84 for Layout drawings. See page 93 for Connection Diagram.

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

Shaded ratings are cast iron frames.



# Super-E® Brake Motors – ODP



Baldor•Reliance Super-E Brake motors are designed and built for industrial Machine tools, conveyors, door operators, speed reducers, any application requiring quick stops and positive hold.

Available in TEFC and ODP enclosures, they feature Spring-set brakes with a power off manual release that resets automatically. Class F insulated with 1.15 service factor. Motors have NEMA Premium® Efficiency and are suitable for inverter use. 230/460V brakes are connected in conduit box allowing for separate connection when used with an inverter.



## ODP – Open Drip Proof 230/460 Volt, Three Phase, 1 - 15 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps @ High V		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		Volt Code	“C” Dim.	Conn. Diag. No.	Brake Rating	Notes
					Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE					
<b>Foot Mounted</b>																				
1	0.75	1765	143T	<b>EBM3116T</b>	1.5	15	3	83.6	86.7	87.5	48	60	70	6205	6203	E	16.37	CD0005	6	41
1 1/2	1.1	1755	145T	<b>EBM3154T</b>	2.2	17.5	4.5	83.5	86	86.5	50	63	72	6205	6203	E1	16.37	CD0005	10	41
2	1.5	1750	145T	<b>EBM3157T</b>	2.9	24.3	6	84.4	86.6	86.5	51	64	73	6205	6203	E1	16.37	CD0005	10	41
3	2.2	1765	182T	<b>EBM3211T</b>	4.2	32.3	8.9	87.6	89.6	89.5	53	66	73	6206	6205	E	19.57	CD0005	15	41
5	3.7	1750	184T	<b>EBM3218T</b>	6.4	48	15	89.8	90.5	89.5	61	73	81	6206	6205	E	21.52	CD0005	25	40
5	3.7	1750	184T	<b>EBM3248T</b>	6.4	48	15	89.8	90.5	89.5	61	73	81	6206	6205	E	21.06	CD0005	15	41
7 1/2	5.6	1770	213T	<b>EBM3311T</b>	9.7	68.2	22.1	90.5	91.4	91	62	73	79	6307	6306	E	24.45	CD0005	35	40
10	7.5	1770	215T	<b>EBM3313T</b>	12.5	88.3	29.7	91.6	92.3	91.7	66	77	82	6307	6306	E	26.08	CD0005	50	40
15	11.2	1765	254T	<b>EBM2513T</b>	17.7	211	44.8	93.7	93.7	93	82	88	90	6309	6309	E	29.88	CD0180	75	40

Brakes are internally connected on 215T and smaller. Brake should be separately connected when motor is used with any electronic soft start or adjustable speed drive.

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

**40** = Brakes may be mounted for vertical mounting with brake below the motor.

**41** = Brakes may be mounted for vertical mounting with brake above or below the motor.

Contact Baldor for Layout Drawings. See page 93 for Connection Diagram.

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

# Super-E® Washdown Duty Brake Motors



Baldor Super-E Washdown Duty 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.



## TEFC – Totally Enclosed Fan Cooled, TENV – Totally Enclosed Non-Ventilated C-Face, Foot Mounted, 230/460 Volt, 1/2 - 5 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.	Brake Rating Lb-Ft²
						Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE				
1/2	0.37	1765	56C	TENV	CEWDBM3538	0.9	7.5	1.49	77.6	81.5	83.8	41	53	63	6205	6203	E	15.31	CD0005	3
3/4	0.56	1750	56C	TENV	CEWDBM3542	1.1	9.7	2.22	80.3	83.8	84.5	49	63	72	6205	6203	E1	15.31	CD0005	6
1	0.75	1745	56C	TENV	CEWDBM3546	1.5	13.5	3	83.4	85.4	85.5	53	67	76	6205	6203	E	16.31	CD0005	6
1	0.75	1745	143TC	TENV	CEWDBM3546T	1.5	13.5	3	83.4	85.4	85.5	53	67	76	6205	6203	E	16.81	CD0005	6
1 1/2	1.1	1755	145TC	TENV	CEWDBM3554T	2.1	20	4.45	87.0	88.3	88.8	54	68	76	6205	6203	E	18.14	CD0005	10
2	1.5	1755	145TC	TEFC	CEWDBM3558T	2.9	24.3	5.95	84.2	86.4	87.3	51	64	73	6205	6203	E	19.44	CD0005	10
3	2.2	1760	182TC	TEFC	CEWDBM3611T	4.2	32	8.88	87.8	89.5	89.6	54	68	75	6206	6205	E	21.80	CD0005	15
5	3.7	1750	184TC	TEFC	CEWDBM3615T	6.7	49.1	14.9	89.7	90.3	89.8	60	72	78	6206	6205	E	23.30	CD0005	25

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

See page 83 for Layout drawings. See page 93 for Connection Diagram.

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

# Super-E® Explosion Proof Brake Motors



In hazardous location applications requiring quick stops and holds, Baldor offers explosion proof brake motors from stock in 3/4 hp through 3 hp, NEMA frames 56C through 215TC. These 3-phase motors are C-face mounted, and feature a spring-set brake. In the event of a power outage, a manual release allows continued operation, and then resets automatically when power is restored. Explosion-proof brakes require external connections. UL and CSA approved for Division 1, Class I, Group D; Class I, Group D, Class II, Group F & G.



All brake motors can be mounted horizontally or vertically. Brakes that have 20 lb-ft. static torque ratings or smaller may be mounted for vertical mounting with brake above or below the motor. Brakes 20 lb-ft. and larger may be mounted for vertical mounting with brake below the motor.

## TEFC – Totally Enclosed Fan Cooled, TENV – Totally Enclosed Non-Ventilated C-Face, Foot Mounted, 230/460 Volt, 1/2 - 5 Hp

Hp	kW	RPM	Frame	Catalog No.	XP Class & Group	XP Temp Code	Amps @ High V		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Volt Code	"C" Dim.	Conn. Diag. No.	Brake Rating Lb-Ft²
							Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load				
<b>C-Face Foot Mounted</b>																			
3	2.2	1800	182TC	CEBM7142T	Ⓜ	T3C	4.1	32	8.9	87	89.1	89.5	53.7	65.7	73	230/460	27.22	416820-1	15
5	3.7	1800	184TC	CEBM7144T	Ⓜ	T3C	6.5	46	14.9	88	89.5	89.5	54.5	66.5	73.7	230/460	27.22	416820-1	25

NOTE: Ⓜ Class I, Group D, Class II, Group F & G

Contact Baldor for Layout Drawings. See page 93 for Connection Diagram.

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

Shaded ratings are cast iron frames.

# Adjustable Speed Capabilities for Even Greater Energy Efficiency

## 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. Motor inverter setup is unique to each specific application. Proper setup and wiring procedures must be closely followed.

## Application Considerations

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 setup has been successfully completed.

Applications that are not properly setup 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.

Reference the chart below for constant torque and variable torque capabilities for each product family. Torque performance depends upon proper drive setup.

Motors 48 body style and smaller are suitable for maximum 230V inverter operation.

## Efficiency Savings

Significant energy savings can be achieved when applying Inverter Ready motors such as the Baldor Super-E to centrifugal load applications (fan and centrifugal pump) and running at reduced speed taking advantage of the affinity laws where motor load and corresponding energy consumption is reduced by the cube of the speed.



Family	Enclosure	Frame Size	Constant Torque	Variable Torque	Comments
<b>Super E Motors 230, 460 and 575 Volts (2)</b>					
EM	TEFC	56-210 (1)	20:1	20:1	General Purpose Premium Efficient
		250-320	10:1	20:1	
		360-400	4:1	20:1	
		444-449	2:1	20:1	
EM	ODP	56-210 (1)	10:1	20:1	General Purpose Premium Efficient
		250-320	5:1	20:1	
		360 - 449	2:1	20:1	
ECP/XEX and ECP8/841XL (3)	TEFC	140	20:1	20:1	Severe Duty Premium Efficient
		180-210	10:1	20:1	
		250-400	4:1	20:1	
		444-449	2:1	20:1	
EWDM	TENV,TEFC	56-256 (1)	20:1	20:1	Washdown Duty Premium Efficient
ESS/SSE	TEFC	56-250	2:1	10:1	Stainless Steel Washdown Duty
	TENV	56-140	4:1	10:1	
<b>Standard-E Motors 230/460 and 575V (2) (4)</b>					
M (TEFC)		56-326T frames (1)	4:1	20:1	General Purpose motors
		360T - 449T	2:1	20:1	
M (ODP)		56-326T frames (1)	4:1	20:1	
		360T - 449T	2:1	20:1	
CP/XT		145T frames	4:1	20:1	Severe Duty
		180T-445T frames	2:1	20:1	
		447T-449T frames	2:1	20:1	
WDM		56-215T frames (1)	4:1	20:1	Washdown Duty

### NOTES:

(1) Baldor type 35M frames and larger

(2) For greater speed range capabilities, please select an Inverter Duty®, Vector Duty®, V\*S Master or RPM AC type motor, or contact your local Baldor Sales Office for a custom motor design.

(3) Stock IEEE-841 motors include Division 2 labeling as standard. These motors will require a nameplate change through Mod Express to add inverter duty markings to the motors.

(4) Standard-E EPAct efficient motors are suitable for use in adjustable speed applications per NEMA MG 1 Part 30.

## Conduit Box Volumes – Cast Iron Frames

Motor Frame Size	Baldor ECP Volume IN <sup>3</sup>	841XL Volume IN <sup>3</sup>	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 contaminants 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

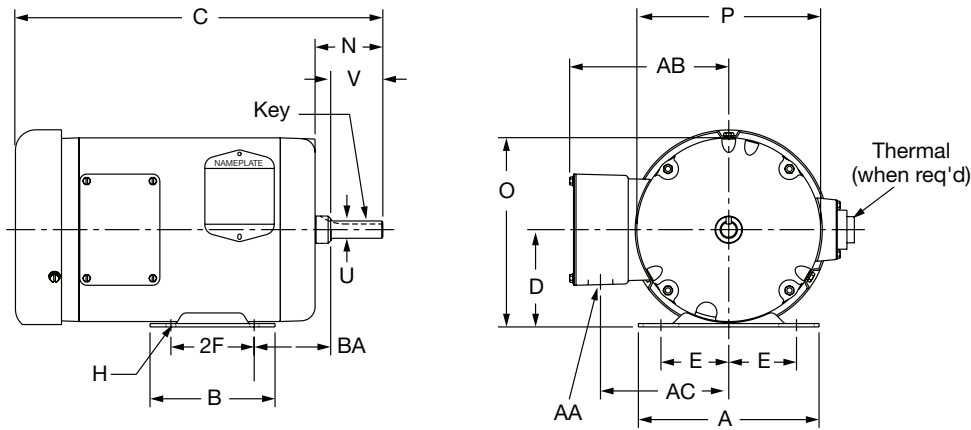
Motor Frame Size	Baldor Volume IN <sup>3</sup>	UL/NEC Minimum Volume IN <sup>3</sup>	NPT Hole Size
56	10.6	10.5	0.875
143T/145T	18.5	16.8	0.75
182T/184T	24.9	16.8	0.75
213T/215T	39.8	36.4	1.0
254T/256T	79	36.4	1.25

### 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.

# Dimensions

## Steel Band Construction – TEFC Foot Mounted – NEMA 56 - 215T



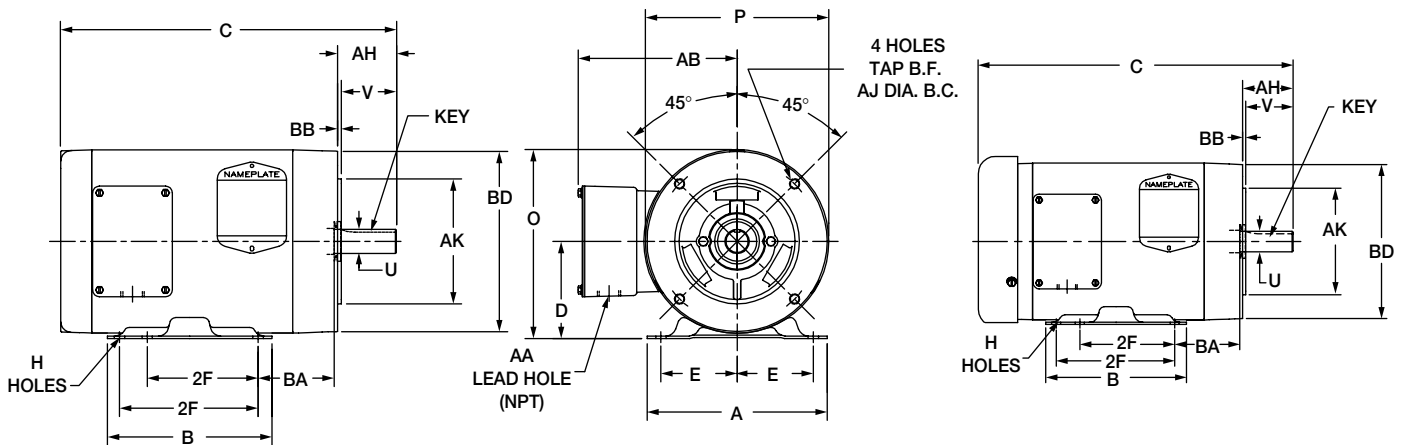
NEMA Frame	A	B	D	E	2F	H	Key	N	O	P	U	V	AA	AB	AC	BA
56	6.50	4.50	3.50	2.44	3.00	0.34 Slot	0.19	2.44	6.81	6.62	0.625	1.88	0.88	5.73	4.62	2.75
143T 145T	6.50	5.94	3.50	2.75	4.00 5.00	0.34	0.19	2.50	6.81	6.62	0.875	2.25	0.88	5.73	4.62	2.25
182T 184T	8.63	6.50	4.50	3.75	4.50 5.50	0.41	0.25	3.56	8.44	7.88	1.125	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.

## Steel Band Construction – TEFC & TENV C-Face Foot Mounted & Footless – NEMA 56 - 215TC

### TENV Enclosure

### TEFC Enclosure



Catalog No. starting with "C" = C-face with base.

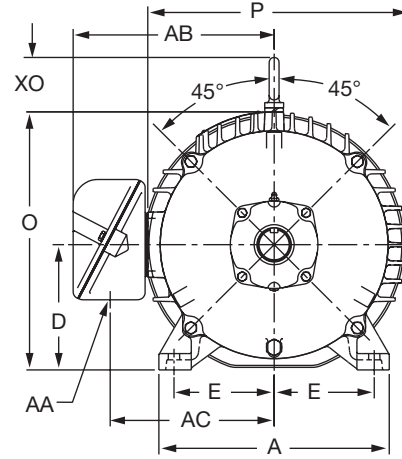
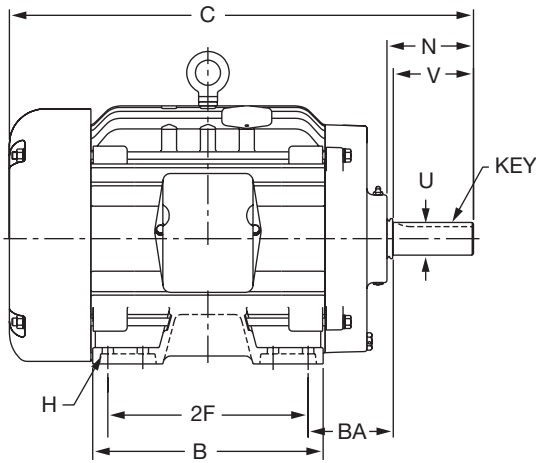
Catalog No. starting with "V" = C-face, no base.

NEMA Frame	A	B	D	E	2F	H	O	P	U	V	AA	AB	AH	AJ	BF TAP	AK	BA	BB	BD
56C	6.50	4.50	3.50	2.44	3.00	0.34	6.81	6.62	0.625	1.88	0.88	5.74	2.07	5.88	3/8-16	4.50	2.75	0.13	6.50
143TC 145TC	6.50	5.94	3.50	2.75	4.00 5.00	0.34	6.81	6.62	0.875	2.25	1.09	5.74	2.12	5.88	3/8-17	4.50	2.75	0.13	6.50
182TC 184TC	8.63	6.50	4.50	3.75	4.50 5.50	0.41	8.44	7.88	1.125	2.75	1.09	6.87	2.62	7.25	1/2-13	8.5	3.50	0.25	8.86
213TC 215TC	9.50	8.00	5.25	4.25	5.50 7.00	0.41	10.03	9.56	1.375	3.37	1.38	8.05	3.12	7.25	1/2-13	8.50	4.25	0.25	9.04

NOTE: Drawings shown are for reference only. Please contact Baldor for a detailed dimensional drawing of the specific motor you require.

# Dimensions

## Cast Iron Construction – TEFC Foot Mounted NEMA 143T - 449T

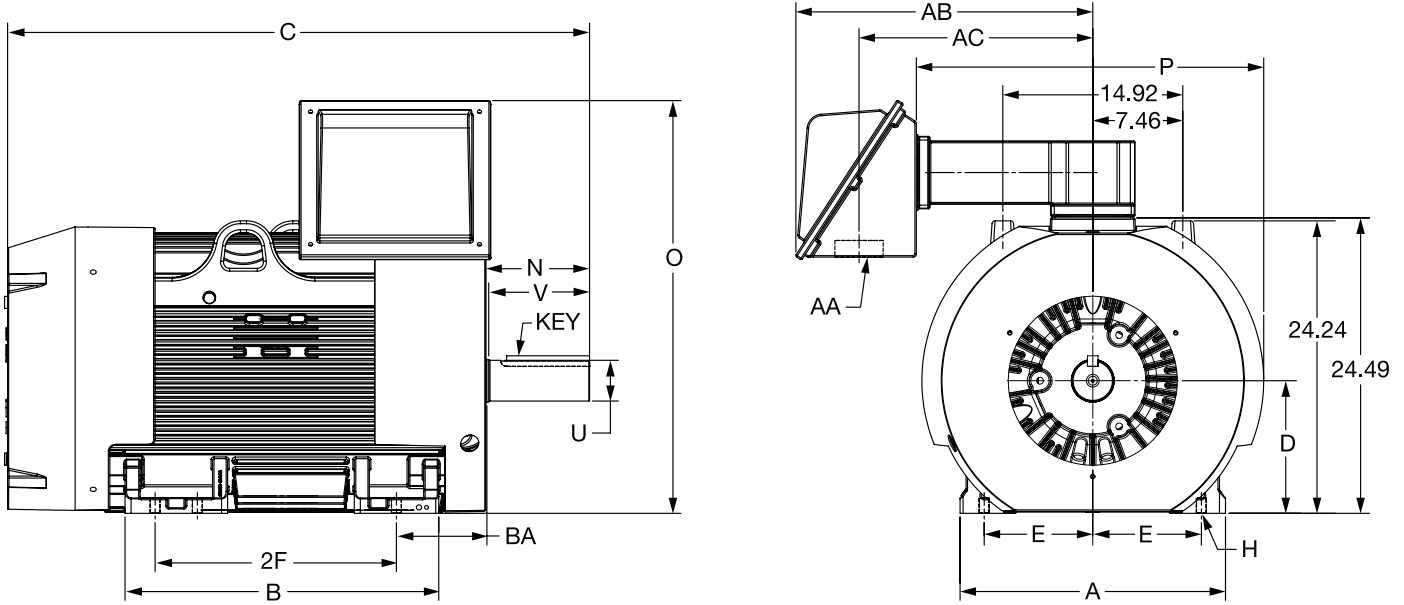


NEMA Frame	A	B	D	E	2F	H	Key	N	O	P	U	V	AA	AB	AC	BA
143T 145T	6.50	5.88	3.50	2.75	4.00 5.00	0.38	0.19	2.50	7.50	8.00	0.875	2.25	1.09	6.43	5.18	2.25
182T 184T	8.62	6.50	4.50	3.75	4.50 5.50	0.41	0.25	2.81	9.23	9.46	1.125	2.75	1.09	7.18	5.93	2.75
213T 215T	9.62	8.12	5.25	4.25	5.50 7.00	0.41	0.31	3.88	10.99	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
404TS 405TS	19.00	16.00	10.00	8.00	12.25 13.75	0.81	0.50	4.50	21.31	22.50	2.125	4.00	3.00	19.31	15.25	6.62
444T 445T	22.00	23.38	10.99	9.00	14.50 16.50	0.8125	0.875	8.72	24.24	26.5	3.375	8.25	3.00	22.68	17.87	7.76
444TS 445TS	22.00	23.38	10.99	9.00	14.50 16.50	0.8125	0.625	4.96	24.24	26.5	2.375	4.50	3.00	22.68	17.87	7.65
445T 447T	22.00	27.03	10.99	9.00	16.50 20.00	0.8125	0.875	8.59	24.24	27.57	3.375	8.25	4.00	23.86	18.62	7.66
445TS 447TS	22.00	27.03	10.99	9.00	16.50 20.00	0.8125	0.625	4.84	24.24	27.57	2.375	4.50	4.00	23.86	18.62	7.68
447T 449T	22.00	32.03	10.99	9.00	20.00 25.00	0.8125	0.875	8.59	24.24	27.57	3.375	8.39	4.00	23.74	18.5	7.52
447TS 449TS	22.00	32.03	10.99	9.00	20.00 25.00	0.8125	0.625	4.84	24.24	27.57	2.375	4.75	4.00	23.74	18.62	7.52

**NOTE:** Drawings shown are for reference only. Please contact Baldor for a detailed dimensional drawing of the specific motor you require.

# Dimensions

## Dimensional Layout for Motors with Note 99 Cast Iron Construction Motors – TEFC Swing Arm Mounted Conduit Box NEMA 444T - L449T



\* For General Purpose Enclosures AA is a Lead outlet hole.

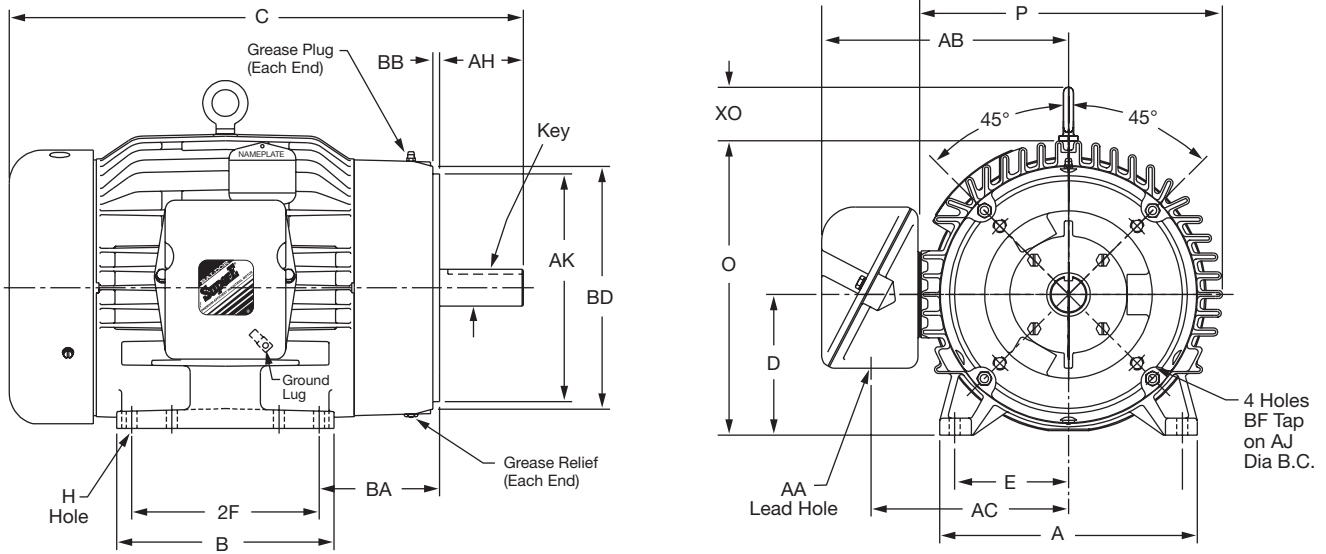
\* For Severe Duty Enclosures (ECP) - AA is an N.P.T.

NEMA Frame	A	B	D	E	2F	H	Key	N	O	P	U	V	AA*	AB	AC	BA
444T	22.00	22.35	10.99	9.00	14.50	0.8125	0.875	8.72	33.59	28.78	3.375	8.36	3.60	24.55	19.37	7.66
445T					16.50											
444TS	22.00	22.35	10.99	9.00	14.50	0.8125	0.625	4.96	33.59	28.78	2.375	4.62	3.60	24.55	19.37	7.64
445TS					16.50											
445T	22.00	26.00	10.99	9.00	16.50	0.8125	0.875	8.59	34.21	28.78	3.375	8.36	4.00	24.61	19.37	7.50
447T					20.00											
445TS	22.00	26.00	10.99	9.00	16.50	0.8125	0.625	4.84	34.21	28.78	2.375	4.75	4.00	24.61	19.37	7.50
447TS					20.00											
447T	22.00	31.00	10.99	9.00	20.00	0.8125	0.875	8.59	34.18	28.63	3.375	8.50	4.00	24.47	19.22	7.51
449T					25.00											
447TS	22.00	31.00	10.99	9.00	20.00	0.8125	0.625	4.84	34.18	28.63	2.375	4.75	4.00	24.47	19.22	7.45
449TS					25.00											
449T	22.00	38.04	10.99	9.00	25.00	0.8125	0.875	8.56	34.21	28.63	3.375	8.37	4.00	24.61	19.37	7.62
L449TS					32.00											
449TS	22.00	38.04	10.99	9.00	25.00	0.8125	0.625	4.81	34.21	28.78	2.375	4.62	4.00	24.61	19.37	7.62
L449TS					32.00											

**NOTE:** Drawings shown are for reference only. Please contact Baldor for a detailed dimensional drawing of the specific motor you require.

# Dimensions

## Cast Iron Construction – TEFC C-Face Foot Mounted NEMA 143TC - 405TC



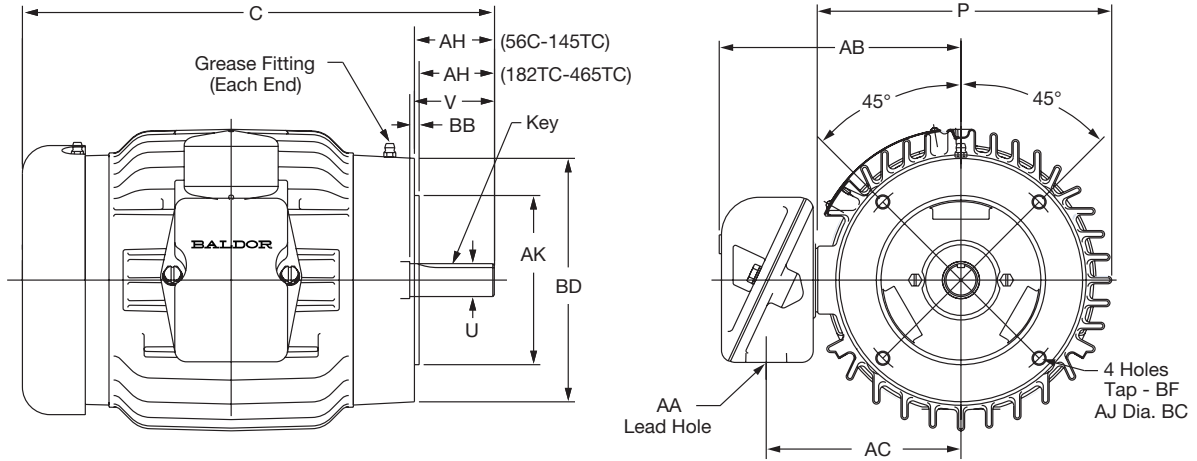
NEMA Frame	A	B	D	E	2F	H	Key	O	P	U	V	AA	AB	AC	AH	AJ	AK	BB	BD	BF Tap	BA
143TC 145TC	6.50	5.88	3.50	2.75	4.00 5.00	0.38	0.19	7.50	8.00	0.875	2.01	1.09	6.37	5.19	2.12	5.88	4.50	0.13	6.47	3/8-16	2.75
182TC 184TC	8.62	6.50	4.50	3.75	4.50 5.50	0.41	0.25	9.23	9.46	1.125	2.62	1.09	7.18	5.93	2.75	7.25	8.50	0.25	9.00	1/2-13	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	1/2-13	4.50
254TC 256TC	11.50	11.50	6.25	5.00	8.25 10.00	0.53	0.38	12.88	12.94	1.625	4.00	1.38	10.04	8.19	3.75	7.25	8.50	0.25	9.09	1/2-13	4.75
284TC 286TC	12.75	12.84	7.00	5.50	9.50 11.00	0.53	0.50	14.44	15.30	1.875	4.63	2.00	13.11	10.56	4.38	9.00	10.50	0.25	11.21	1/2-13	4.75
284TSC 286TSC	12.75	12.84	7.00	5.50	9.50 11.00	0.53	0.38	14.44	15.30	1.625	3.25	2.00	13.12	10.56	3.00	9.00	10.50	0.25	11.21	1/2-13	4.75
324TC 326TC	14.50	14.00	8.00	6.25	10.50 12.00	0.66	0.50	16.25	17.85	2.125	5.25	2.50	14.61	12.06	5.00	11.00	12.50	0.25	13.40	5/8-11	5.25
324TSC 326TSC	14.50	14.00	8.00	6.25	10.50 12.00	0.66	0.50	16.25	17.85	1.875	3.75	2.50	14.63	12.07	3.50	11.00	12.50	0.25	13.40	5/8-11	5.25
364TC 365TC	17.00	15.00	9.00	7.00	11.25 12.25	0.69	0.625	18.50	19.50	2.375	5.62	3.00	18.08	14.00	5.62	11.00	12.50	0.25	13.00	5/8-11	5.88
364TSC 365TSC	17.00	15.00	9.00	7.00	11.25 12.25	0.69	0.50	18.50	19.50	1.875	3.50	3.00	18.08	14.00	3.50	11.00	12.50	0.25	13.00	5/8-11	5.88
404TC 405TC	18.88	16.63	10.00	8.00	12.25 13.75	0.81	0.75	21.31	22.50	2.875	7.00	3.00	19.31	15.25	7.00	11.00	12.50	0.25	13.12	5/8-11	6.62

**NOTE:** Drawings shown are for reference only. Please contact Baldor for a detailed dimensional drawing of the specific motor you require.



# Dimensions

## Cast Iron Construction – TEFC C-Face Footless NEMA 56C - 256TC

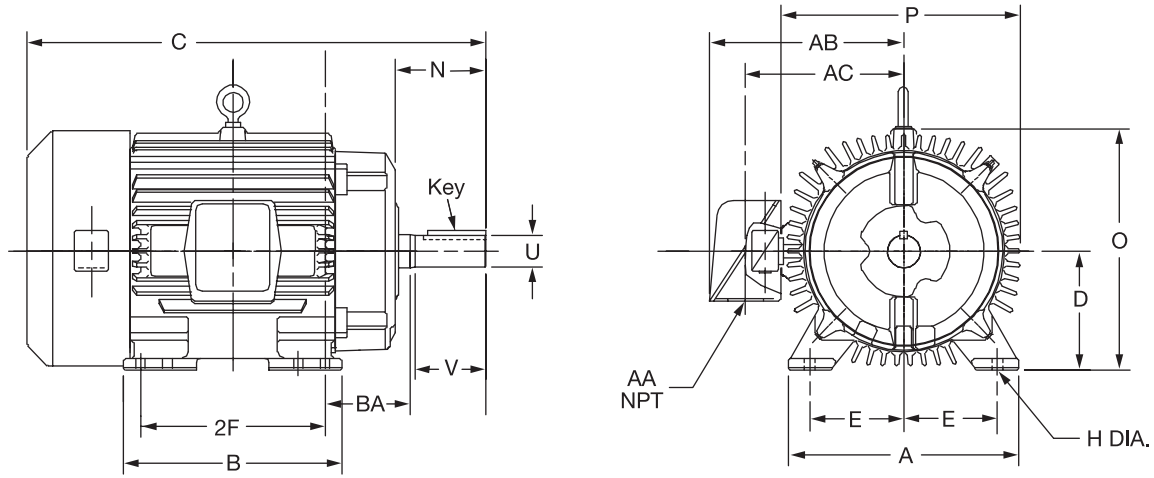


NEMA Frame	Key	P	U	V	AA	AB	AC	AH	AJ	AK	BB	BD	BF Tap
56C	0.19	8.00	0.625	1.88	1.09	6.40	5.12	2.06	5.88	4.50	0.13	6.47	3/8-16
143TC 145TC	0.19	8.00	0.875	2.25	1.09	6.36	5.17	2.12	5.88	4.50	0.13	6.47	3/8-16
182TC 184TC	0.25	10.12	1.125	2.75	1.09	7.18	5.93	2.62	7.25	8.50	0.25	9.00	1/2-13
213TC 215TC	0.31	11.50	1.375	3.13	1.38	9.22	7.38	3.13	7.25	8.50	0.25	9.06	1/2-13
254TC 256TC	0.38	12.94	1.625	3.75	1.38	10.04	8.19	3.75	7.25	8.50	0.25	9.09	1/2-13

**NOTE:** Drawings shown are for reference only. Please contact Baldor for a detailed dimensional drawing of the specific motor you require.

# Dimensions

## ECP Severe Duty Motors – TEFC Foot Mounted NEMA 143T - 449T

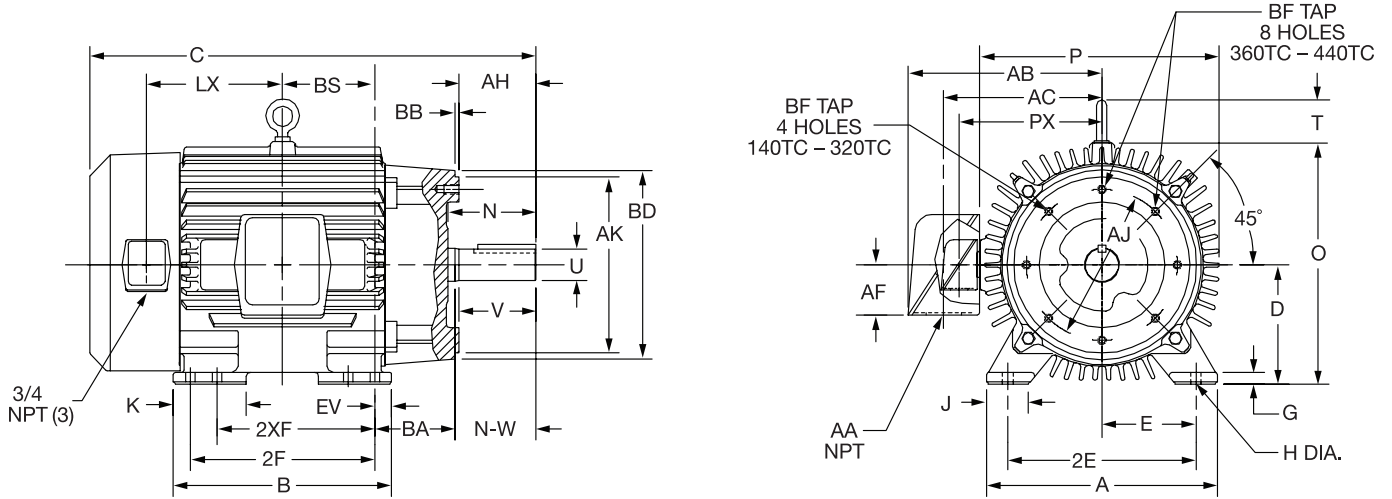


Frame Size	A	B	D	E	2F	H	Key	N	O	P	U	V	AA N.P.T.	AB	AC	BA
143T 145T	6.50	5.88	3.50	3.50	4.00 5.00	0.38	0.19	2.50	7.50	8.00	0.875	2.25	0.75	6.51	5.06	2.25
182T 184T	8.62	6.50	4.50	3.75	4.50 5.50	0.41	0.25	2.81	9.25	9.46	1.125	2.75	0.75	7.18	5.82	2.75
213T 215T	9.62	8.12	5.25	4.25	5.50 7.00	0.41	0.31	3.88	10.99	11.50	1.375	3.38	1.00	8.86	7.25	3.50
254T 256T	11.50	11.50	6.25	5.00	8.25 10.00	0.53	0.38	4.31	12.88	12.94	1.625	4.00	1.25	10.24	8.27	4.25
284T 286T	12.76	12.84	7.00	5.50	9.50 11.00	0.53	0.50	4.75	14.44	15.72	1.875	4.62	1.50	12.60	10.25	4.75
284TS 286TS	12.76	12.84	7.00	5.50	9.50 11.00	0.53	0.38	3.37	14.44	15.72	1.625	3.25	1.50	12.73	10.25	4.75
324T 326T	14.50	14.00	8.00	6.25	10.50 12.00	0.66	0.50	5.56	16.25	17.85	2.125	5.25	2.00	14.10	11.75	5.25
324TS 326TS	14.50	14.00	8.00	6.25	10.50 12.00	0.66	0.50	4.07	16.25	17.85	1.875	3.75	2.00	14.11	11.75	5.25
364T 365T	17.00	15.00	9.00	7.00	11.25 12.25	0.69	0.625	6.25	18.50	19.50	2.375	5.62	3.00	18.00	13.81	5.88
364TS 365TS	17.00	15.00	9.00	7.00	11.25 12.25	0.69	0.50	4.12	18.50	19.50	1.875	3.50	3.00	18.00	13.81	5.88
404T 405T	19.00	16.00	10.00	8.00	12.25 13.75	0.81	0.75	7.50	21.31	22.50	2.875	7.00	3.00	19.25	15.06	6.62
404TS 405TS	19.00	16.00	10.00	8.00	12.25 13.75	0.81	0.50	4.50	21.31	22.50	2.125	4.00	3.00	19.25	15.06	6.62
444T 445T	22.00	23.38	10.99	9.00	14.50 16.50	0.81	0.875	8.72	24.24	26.50	3.375	8.25	3.00	22.68	17.87	7.76
444TS 445TS	22.00	23.38	10.99	9.00	14.50 16.50	0.81	0.625	4.96	24.24	26.50	2.375	4.50	3.00	22.68	17.87	7.65
445T 447T	22.00	27.03	10.99	9.00	16.50 20.00	0.81	0.875	8.59	24.24	27.57	3.375	8.25	4.00	23.86	18.62	7.66
445TS 447TS	22.00	27.03	10.99	9.00	16.50 20.00	0.81	0.625	4.84	24.24	27.57	2.375	4.50	4.00	23.86	18.62	7.68
447T 449T	22.00	32.03	10.99	9.00	20.00 25.00	0.81	0.875	8.59	24.24	27.57	3.375	8.39	4.00	23.74	18.5	7.52
447TS 449TS	22.00	32.03	10.99	9.00	20.00 25.00	0.81	0.625	4.84	24.24	27.57	2.375	4.75	4.00	23.86	18.62	7.46

**NOTE:** Drawings shown are for reference only. Please contact Baldor for a detailed dimensional drawing of the specific motor you require.

# Dimensions

## ECP Severe Duty Motors -TEFC C-Face Foot Mounted NEMA 143TC - 326TSC

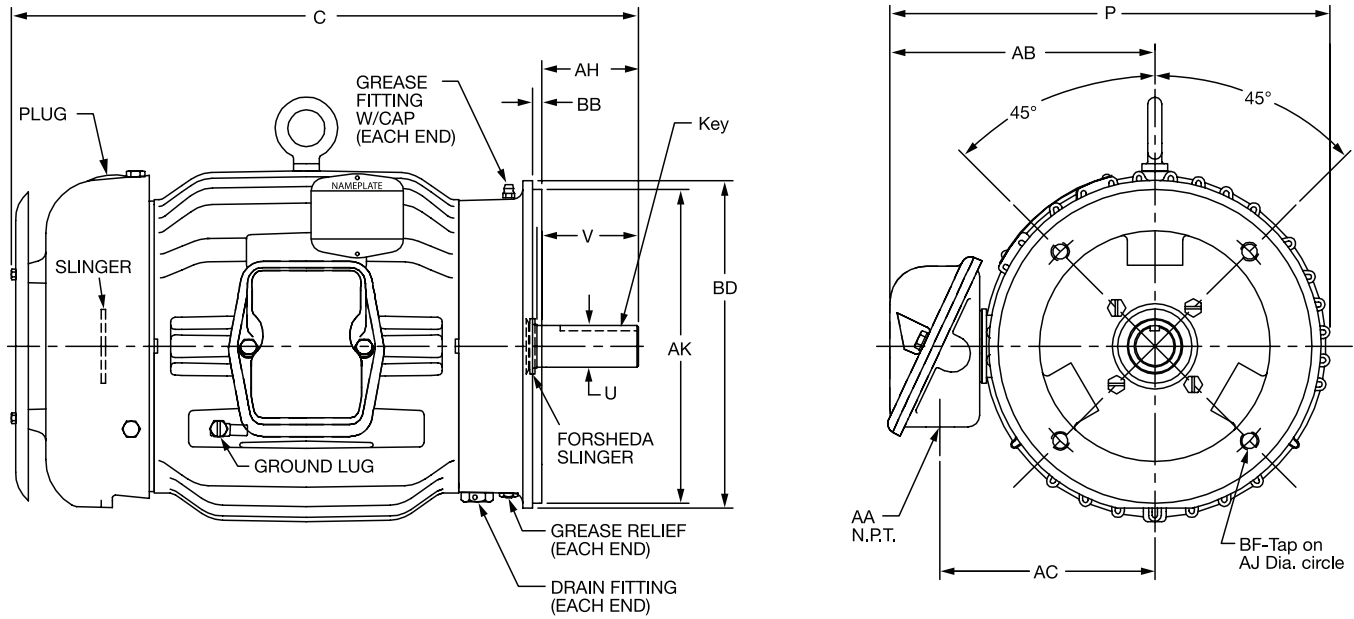


Frame Size	A	B	D	E	2F	H	Key	N	O	P	U	V	AA N.P.T.	AB	AC	AH	AJ	AK	BB	BD	BF Tap	BA
143TC 145TC	6.50	5.88	3.50	3.50	4.00 5.00	0.38	0.19	7.48	8.00	0.875	2.25	0.75	6.51	5.05	2.12	5.88	4.50	0.13	6.48	3/8-16	2.75	2.25
182TC 184TC	8.62	6.50	4.50	3.75	4.50 5.50	0.41	0.25	9.25	9.46	1.125	2.75	0.75	7.18	5.82	2.62	7.25	8.50	0.25	9.00	1/2-13	3.50	2.75
213TC 215TC	9.62	8.12	5.25	4.25	5.50 7.00	0.41	0.31	10.99	11.50	1.375	3.37	1.00	8.86	7.25	3.12	7.25	8.50	0.25	9.06	1/2-13	4.25	3.50
254TC 256TC	11.50	11.50	6.25	5.00	8.25 10.00	0.53	0.38	12.88	12.94	1.625	4.00	1.25	10.24	8.27	3.75	7.25	8.50	0.25	9.09	1/2-13	4.75	4.25
284TC 286TC	12.76	12.84	7.00	5.50	9.50 11.00	0.53	0.50	14.44	15.72	1.875	4.63	1.50	12.75	10.25	4.38	9.00	10.50	0.25	11.21	1/2-13	4.75	4.75
284TSC 286TSC	12.76	12.84	7.00	5.50	9.50 11.00	0.53	0.38	14.44	15.72	1.625	3.25	1.50	12.62	10.25	3.00	9.00	10.50	0.25	11.21	1/2-13	4.75	4.75
324TC 326TC	14.50	14.00	8.00	6.25	10.50 12.00	0.66	0.50	16.47	17.84	2.125	5.25	2.00	14.10	11.74	5.00	11.00	12.50	0.25	13.40	5/8-11	5.25	5.25
324TSC 326TSC	14.50	14.00	8.00	6.25	10.50 12.00	0.66	0.50	6.47	17.84	1.875	3.75	2.00	14.22	11.74	3.50	11.00	12.50	0.25	13.40	5/8-11	5.25	5.25

NOTE: Drawings shown are for reference only. Please contact Baldor for a detailed dimensional drawing of the specific motor you require.

# Dimensions

## ECP Severe Duty Motors – TEFC C-Face Footless NEMA 56C - 324TC

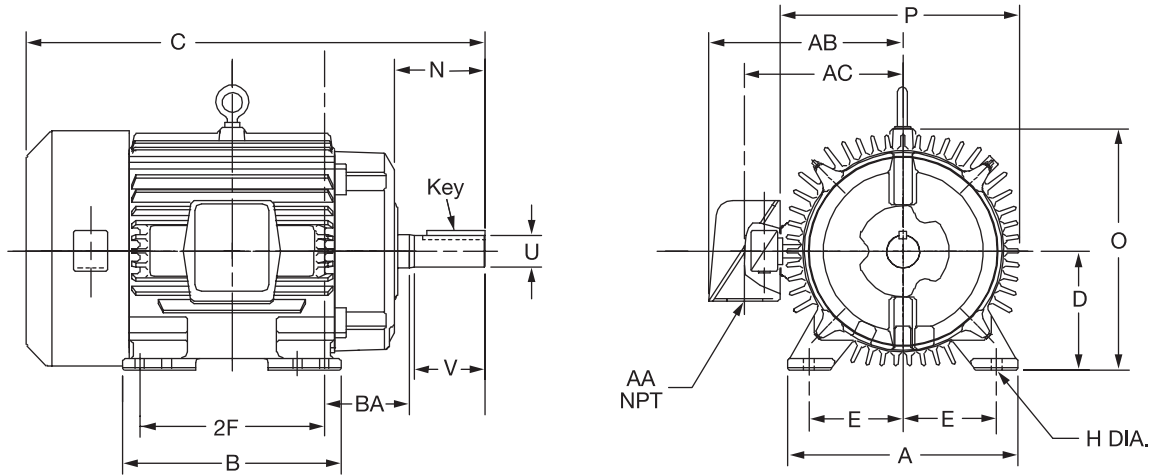


Frame Size	Key	V	AK	BB	AA N.P.T.	AB	AC	AH	AJ	AK	BB	BD	BF Tap
56C	0.19	8.00	0.625	1.88	0.75	6.43	5.07	2.06	5.88	4.50	0.13	6.48	3/8-16
143TC 145TC	0.19	8.00	0.875	2.25	0.75	6.42	5.07	2.12	5.88	4.50	0.13	6.48	3/8-16
182TC 184TC	0.25	9.46	1.125	2.75	0.75	7.18	5.82	2.62	7.25	8.50	0.25	9.00	1/2-13
213TC 215TC	0.31	11.50	1.375	3.25	1.00	8.86	7.25	3.12	7.25	8.50	0.25	9.06	1/2-13
254TC 256TC	0.38	12.94	1.625	3.75	1.25	10.24	8.19	3.75	7.25	8.50	0.25	9.09	1/2-13
284TC 286TC	0.50	15.57	1.875	4.38	1.50	12.62	10.25	4.38	9.00	10.50	0.25	11.21	1/2-13
324TC 326TC	0.50	17.34	2.125	5.25	2.00	13.60	11.24	5.00	11.00	12.50	0.25	13.40	5/8-11

**NOTE:** Drawings shown are for reference only. Please contact Baldor for a detailed dimensional drawing of the specific motor you require.

# Dimensions

## 841XL and 661XL – TEFC Foot Mounted NEMA 143T - 449T

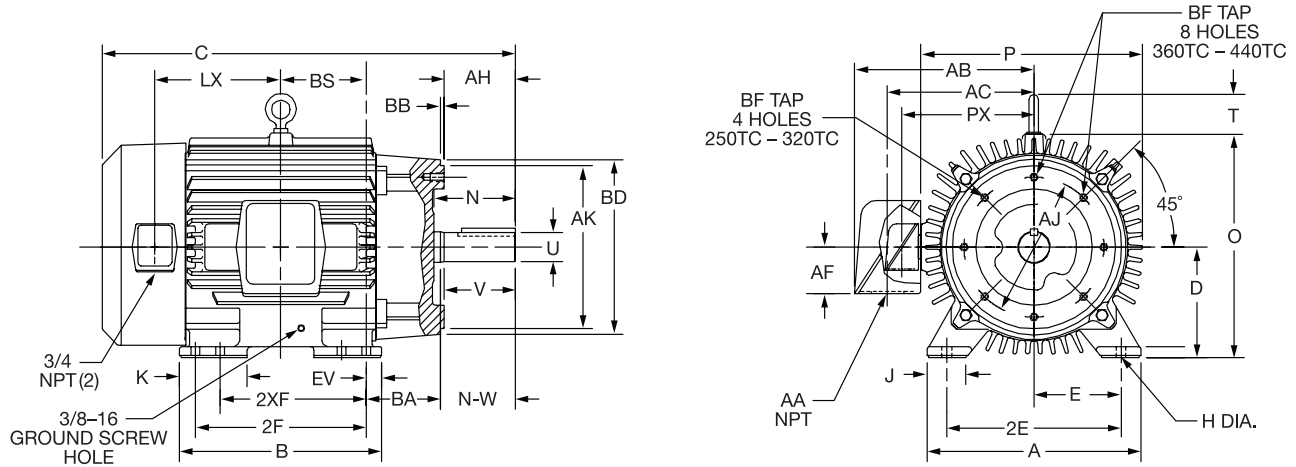


Frame Size	A	B	D	E	2F	H	Key	N	O	P	U	V	AA N.P.T.	AB	AC	BA
143T 145T	6.50	5.88	3.50	2.75	4.00 5.00	0.38	0.19	2.50	7.48	8.00	0.875	2.25	0.75	7.16	5.05	2.25
182T 184T	8.62	6.50	4.50	3.75	4.50 5.50	0.41	0.25	2.87	9.23	10.12	1.125	2.75	0.75	7.54	6.10	2.75
213T 215T	9.62	8.12	5.25	4.25	5.50 7.00	0.41	0.31	3.88	10.99	12.12	1.375	3.38	1.00	9.37	7.43	3.50
254T 256T	11.50	11.50	6.25	5.00	8.25 10.00	0.53	0.38	4.31	12.88	13.26	1.625	4.00	1.25	10.53	8.59	4.25
284T 286T	12.75	12.84	7.00	5.50	9.50 11.00	0.53	0.50	4.75	14.44	15.57	1.875	4.63	1.50	12.56	10.25	4.75
284TS 286TS	12.75	12.84	7.00	5.50	9.50 11.00	0.53	0.38	3.37	14.44	15.57	1.625	3.25	1.50	12.73	10.25	4.75
324T 326T	14.50	14.00	8.00	6.25	10.50 12.00	0.66	0.50	5.56	16.25	17.84	2.125	5.25	2.00	14.15	11.74	5.25
324TS 326TS	14.50	14.00	8.00	6.25	10.50 12.00	0.66	0.50	4.06	16.25	17.84	1.875	3.75	2.00	14.06	11.74	5.25
364T 365T	17.00	15.00	9.00	7.00	11.25 12.25	0.69	0.63	6.47	19.12	19.88	2.375	5.62	3.00	17.77	13.82	6.03
364TS 365TS	17.00	15.11	9.00	7.00	11.25 12.25	0.69	0.50	4.34	19.19	19.71	1.875	3.50	3.00	18.27	14.32	6.03
404T 405T	19.00	16.00	10.00	8.00	12.25 13.75	0.81	0.75	7.50	21.31	22.50	2.875	7.00	3.00	19.25	15.06	6.62
404TS 405TS	19.00	16.00	10.00	8.00	12.25 13.75	0.81	0.50	4.50	21.31	22.50	2.125	4.00	3.00	19.25	15.06	6.62
444T 445T	22.00	23.38	10.99	9.00	14.50 16.50	0.81	0.875	8.72	24.24	26.62	3.375	8.25	3.00	23.86	18.62	7.67
444TS 445TS	22.00	23.38	10.99	9.00	14.50 16.50	0.81	0.625	4.96	24.24	26.62	2.375	4.50	4.00	23.86	18.62	7.65
445T 447T	22.00	27.03	10.99	9.00	16.50 20.00	0.81	0.875	8.59	24.24	27.57	3.375	8.25	4.00	23.86	18.62	7.66
445TS 447TS	22.00	27.03	10.99	9.00	16.50 20.00	0.81	0.625	4.84	24.24	27.57	2.375	4.50	4.00	23.86	18.62	7.68
447T 449T	22.00	32.03	10.99	9.00	20.00 25.00	0.81	0.875	8.59	24.24	27.57	3.375	8.39	4.00	23.74	18.50	7.52
447TS 449TS	22.00	32.03	10.99	9.00	20.00 25.00	0.81	0.625	4.84	24.24	27.57	2.375	4.75	4.00	23.86	18.62	7.46

NOTE: Drawings shown are for reference only. Please contact Baldor for a detailed dimensional drawing of the specific motor you require.

# Dimensions

## 841XL Motors – TEFC C-Face NEMA 143TC - 365TSC



### C-Face Foot Mounted

Frame Size	A	B	D	E	2F	H	Key	O	P	U	V	AA N.P.T.	AB	AC	AH	AJ	AK	BB	BD	BF Tap	BA
143TC 145TC	6.51	5.88	3.50	2.75	4.00 5.00	0.38	0.19	7.48	8.00	0.875	2.25	0.75	6.88	5.31	2.12	5.88	4.50	0.13	6.48	3/8-16	2.75
182TC 184TC	8.62	6.50	4.50	3.75	4.50 5.50	0.41	0.25	9.23	10.12	1.125	2.75	0.75	7.54	6.10	2.62	7.25	8.50	0.25	8.87	1/2-13	3.50
213TC 215TC	9.62	8.12	5.25	4.25	5.50 7.00	0.41	0.31	10.99	12.18	1.375	3.37	1.00	9.37	7.43	3.12	7.25	8.50	0.25	9.06	1/2-13	4.50
254TC 256TC	11.50	11.50	6.25	5.00	8.25 10.00	0.53	0.38	12.88	13.26	1.625	4.00	1.25	10.53	8.59	3.75	7.25	8.50	0.25	9.09	1/2-13	4.75
284TC 286TC	12.75	12.84	7.00	5.50	9.50 11.00	0.53	0.50	14.44	15.57	1.875	4.63	1.50	12.60	10.25	4.38	9.00	10.50	0.25	11.21	1/2-13	4.75
284TSC 286TSC	12.75	12.84	7.00	5.50	9.50 11.00	0.53	0.38	14.44	15.57	1.625	3.00	1.50	12.60	10.25	3.00	9.00	10.50	0.25	11.21	1/2-13	4.75
324TC 326TC	14.50	14.00	8.00	6.25	10.50 12.00	0.66	0.50	16.25	17.84	2.125	5.25	2.00	14.22	11.74	5.00	11.00	12.50	0.25	13.40	5/8-11	5.25
324TSC 326TSC	14.50	14.00	8.00	6.25	10.50 12.00	0.66	0.50	16.25	17.84	1.875	3.75	2.00	14.06	11.74	3.50	11.00	12.50	0.25	13.40	5/8-11	5.25
324TC 326TC	17.00	15.00	9.00	7.00	11.25 12.25	0.69	0.625	18.50	19.50	2.375	5.62	3.00	18.00	13.81	5.62	11.00	12.50	0.25	13.00	5/8-11	5.88
324TSC 326TSC	17.00	15.00	9.00	7.00	11.25 12.25	0.69	0.50	18.50	19.50	1.875	3.50	3.00	18.00	13.81	3.50	11.00	12.50	0.25	13.00	5/8-11	5.88

**NOTE:** Drawings shown are for reference only. Please contact Baldor for a detailed dimensional drawing of the specific motor you require.

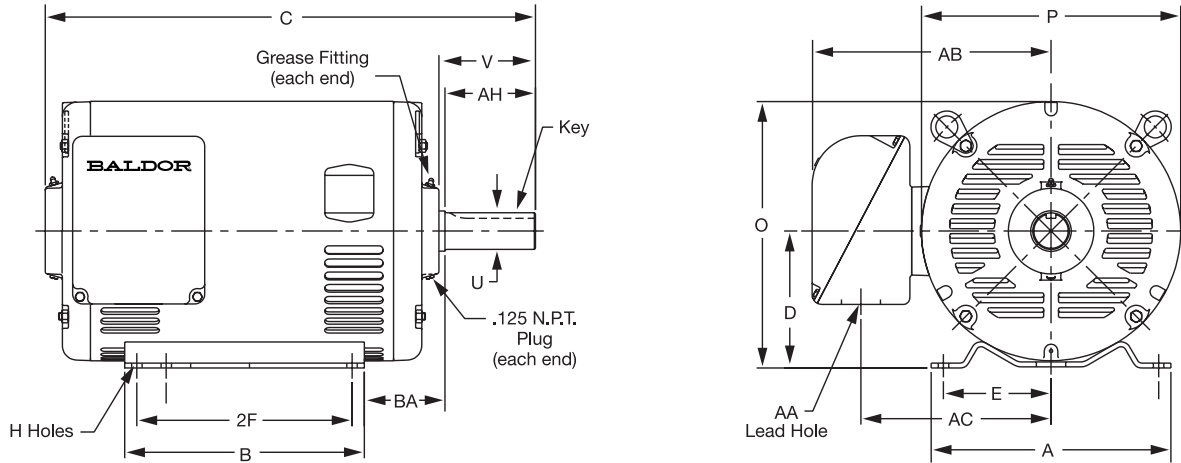
### C-Face Footless

NEMA Frame	Key	P	U	V	AA N.P.T.	AB	AC	AH	AJ	AK	BB	BD	BF Tap
143TC 145TC	0.19	8.00	0.875	2.25	0.75	6.36	5.31	2.12	5.88	4.50	0.13	6.47	3/8-16
182TC 184TC	0.25	10.12	1.125	2.75	0.75	7.54	6.06	2.62	7.25	8.50	0.25	8.87	1/2-13
213TC 215TC	0.31	12.12	1.375	3.12	1.00	9.37	7.43	3.12	7.25	8.50	0.25	9.06	1/2-13
254TC 256TC	0.38	12.94	1.625	3.75	1.25	10.22	8.26	3.75	7.25	8.50	0.25	9.09	1/2-13

**NOTE:** Drawings shown are for reference only. Please contact Baldor for a detailed dimensional drawing of the specific motor you require.

# Dimensions

## Steel Band Construction – Open Drip-Proof Foot Mounted NEMA 56 through 405TS

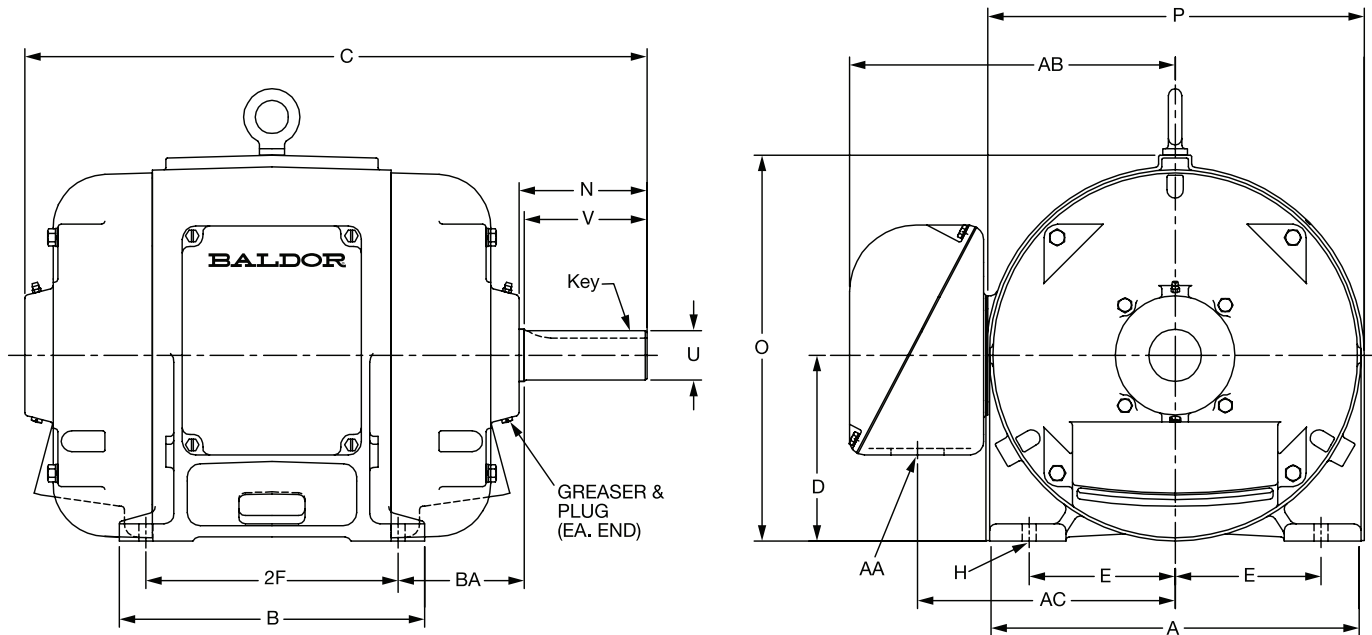


NEMA Frame	A	B	D	E	2F	H	Key	N	O	P	U	V	AA	AB	AC	BA
56	6.50	4.50	3.50	2.44	3.00	0.34	0.19	2.44	6.81	6.62	0.625	1.88	0.88	5.61	4.56	2.75
143T 145T	6.50	5.94	3.50	2.75	4.00 5.00	0.34	0.19	2.50	6.81	6.62	0.875	2.25	0.88	5.61	4.56	2.25
182T 184T	8.63	6.50	4.50	3.75	4.50 5.50	0.41	0.25	3.56	8.44	7.88	1.125	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

NOTE: Drawings shown are for reference only. Please contact Baldor for a detailed dimensional drawing of the specific motor you require.

# Dimensions

## Cast Iron Construction – Open Drip-Proof Foot Mounted NEMA 254T - 449T



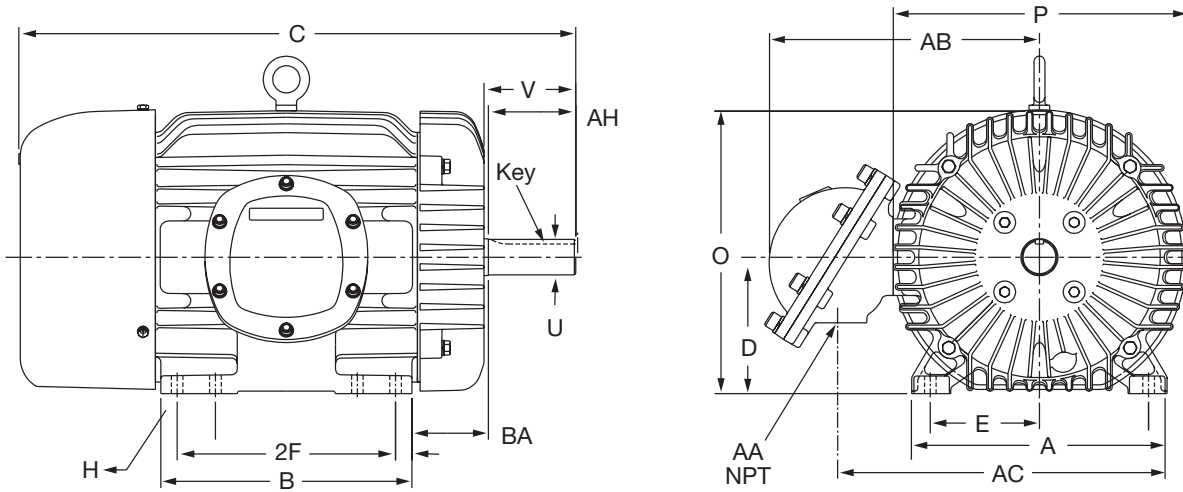
NEMA Frame	A	B	D	E	2F	H	Key	N	O	P	U	V	AA	AB	AC	BA
254T	12.63	9.75	6.25	5.00	8.25	0.53	0.38	4.22	13.11	12.63	1.625	4.00	1.38	9.37	7.94	4.25
256T	12.63	11.50	6.25	5.00	10.00	0.53	0.38	4.22	13.11	12.88	1.625	4.00	1.38	9.62	8.19	4.25
284T	13.88	11.50	7.00	5.50	9.50	0.53	0.50	4.82	14.56	14.06	1.875	4.63	2.00	12.27	9.72	4.75
286T	13.88	13.00	7.00	5.50	11.00	0.53	0.50	4.75	14.56	14.06	1.875	4.63	2.00	12.15	9.66	4.75
286TS	13.88	13.00	7.00	5.50	11.00	0.53	0.38	3.44	14.56	14.06	1.625	3.25	2.00	12.15	9.66	4.75
324T	15.88	12.88	8.00	6.25	10.50	0.66	0.50	5.38	16.68	16.21	2.125	5.25	2.00	13.19	10.70	5.25
324TS	15.88	13.00	8.00	6.25	10.50	0.66	0.50	3.87	16.68	16.21	1.875	3.75	2.00	13.19	10.70	5.25
326T	15.88	14.50	8.00	6.25	12.00	0.66	0.50	5.38	16.68	16.21	2.125	5.25	2.00	13.19	10.70	5.25
364T 365T	17.00	14.25	9.00	7.00	11.25 12.25	0.69	0.625	6.12	18.30	19.56	2.375	5.62	3.00	18.06	14.00	5.88
364TS 365TS	17.00	14.25	9.00	7.00	11.25 12.25	0.69	0.50	4.00	18.30	19.56	1.875	3.50	3.00	18.06	14.00	5.88
404T 405T	19.00	16.00	10.00	8.00	12.25 13.75	0.81	0.75	7.62	20.56	21.81	2.875	7.00	3.00	19.06	15.00	6.62
404TS 405TS	19.00	16.00	10.00	8.00	12.25 13.75	0.81	0.50	4.62	20.56	21.81	2.125	4.00	3.00	19.06	15.00	6.62
444T 445T	21.00	19.00	11.00	9.00	14.50 16.50	0.81	0.875	8.94	22.91	23.62	3.375	8.25	3.00	22.62	17.38	7.50
444TS 445TS	21.00	19.00	11.00	9.00	14.50 16.50	0.81	0.625	5.19	22.91	23.62	2.375	4.50	3.00	22.62	17.38	7.50
447T	21.00	22.50	11.00	9.00	20.00	0.81	0.875	8.94	24.25	24.25	3.375	8.25	4.00	22.75	17.50	7.50
447TS	21.00	22.50	11.00	9.00	20.00	0.81	0.625	5.19	24.25	24.25	2.375	4.50	4.00	22.75	17.50	7.50
449T	21.00	27.50	11.00	9.00	25.00	0.81	0.875	8.94	24.25	24.25	3.375	8.39	4.00	22.75	17.50	7.50
449TS	21.00	27.50	11.00	9.00	25.00	0.81	0.625	5.19	24.25	24.25	2.375	4.50	4.00	22.75	17.50	7.50

**NOTE:** Drawings shown are for reference only. Please contact Baldor for a detailed dimensional drawing of the specific motor you require.



# Dimensions

## Explosion Proof – TEFC Foot Mounted NEMA 143T - 365T



NEMA Frame	A	B	D	E	2F	H	Key	N	O	P	U	V	AA	AB	AC	BA
<b>Steel Band Construction</b>																
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
<b>Cast Iron Construction</b>																
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 <sup>1</sup> 12.62 <sup>2</sup>	8.57 <sup>1</sup> 9.49 <sup>2</sup>	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 <sup>1</sup> 16.52 <sup>2</sup>	10.69 <sup>1</sup> 11.57 <sup>2</sup>	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 <sup>1</sup> 17.55 <sup>2</sup>	11.60 <sup>1</sup> 12.48 <sup>2</sup>	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 <sup>2</sup>	14.13 <sup>2</sup>	5.88

**NOTE:** <sup>1</sup> Class I, Group C & D, Class II Group F & G

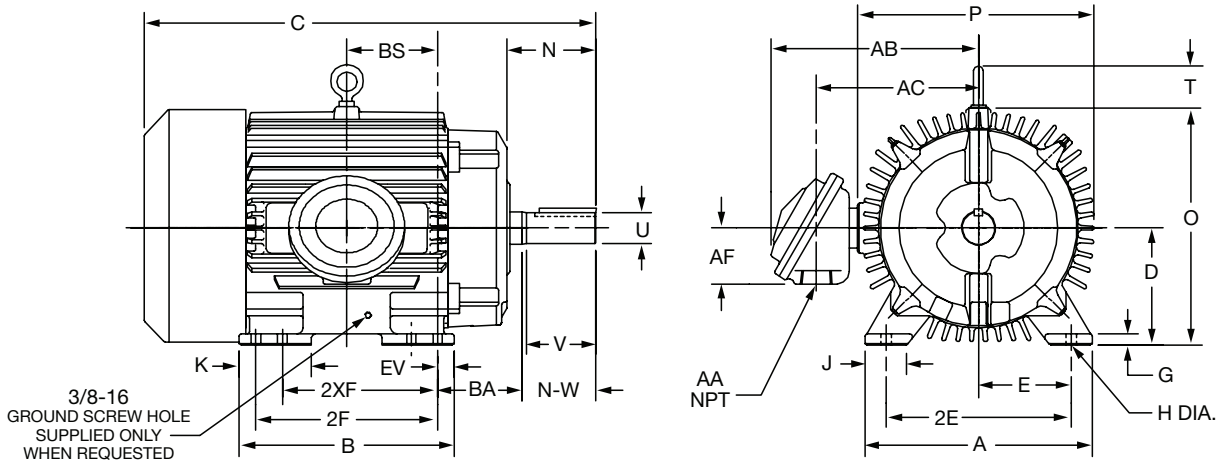
<sup>2</sup> Class I Group D, Class II Group F & G

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](http://www.baldor.com).

# Dimensions

## Severe Duty Explosion Proof – TEFC Foot Mounted NEMA 182T - 445T

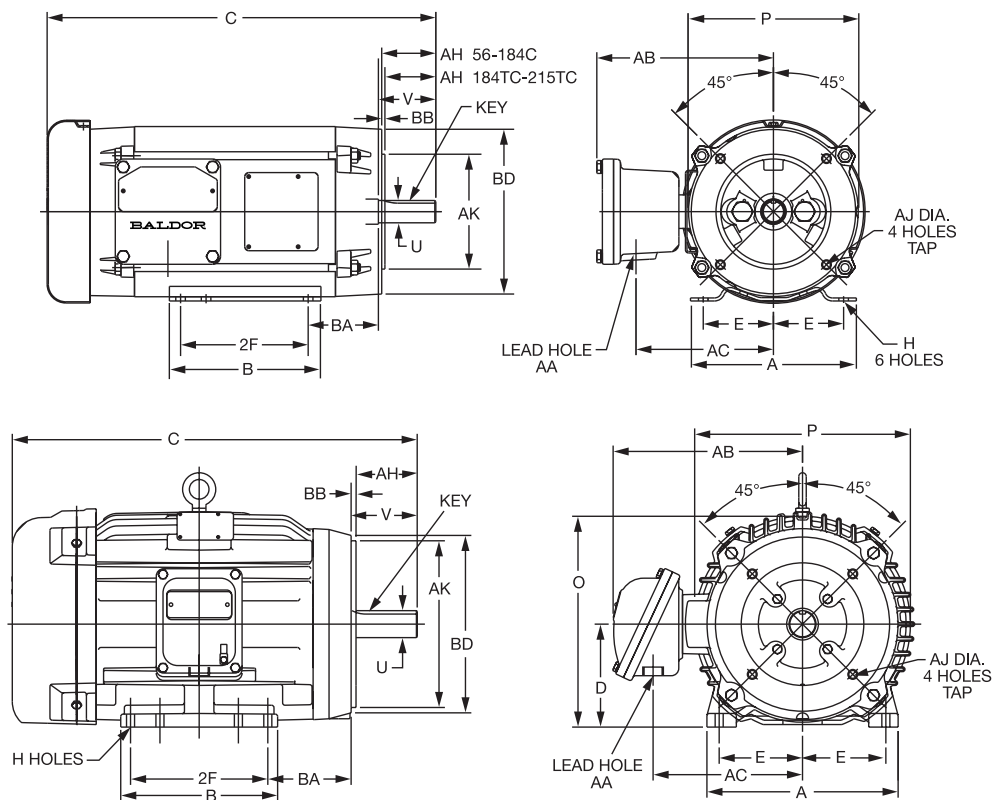


Frame Size	A	B	C	D	E	2F	H	KEY	N	O	P	U	V	AA	AB	AC	AF	BA	Wgt. Lbs.
L182T L184T	9	8.5	17.12	4.5	3.75	4.5 5.5	0.44	0.188	2.81	9.88	9.25	1.125	2.5	1	9.5	6.94	2.5	2.75	110 115
213T 215T	10.5	8.5	19.25	5.25	4.25	5.5 7.0	0.44	0.25	3.44	11.25	10.5	1.375	3.12	1	10.5	7.81	2.5	3.5	130 140
L213T L215T	10.5	9.12	20.12	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. Please contact Baldor for a detailed dimensional drawing of the specific motor you require.

# Dimensions

## C-Face Explosion-Proof Motors



### Rolled Steel Construction

NEMA Frame	A	B	D	E	2F	H	O	P	U	V	AA	AB	AC	AH	AJ	AK	BA	BB	BD	Tap
400(Type)	(6.56)	(4.25)					(6.60)	(5.78)				(6.50)	(4.96)						(5.90)	
56C	6.50	4.50	3.50	2.44	3.00	0.34	7.09	6.69	0.62	1.88	0.50	6.92	5.38	2.06	5.88	4.50	2.75	0.12	6.46	3/8-16
143TC					4.00															
145TC	6.50	5.94	3.50	2.75	5.00	0.34	7.09	6.69	0.87	2.25	0.75	6.92	5.38	2.12	5.88	4.50	2.75	0.13	6.46	3/8-16
182C					4.50															
184C	8.63	6.50	4.50	3.75	5.50	0.41	8.44	8.00	0.87	2.25	0.75	7.52	5.98	2.12	5.88	4.50	2.75	0.13	6.38	3/8-16
182TC					4.50															
184TC	8.63	6.50	4.50	3.75	5.50	0.41	9.00	8.03	1.12	2.75	0.75	7.52	5.98	2.62	7.25	8.50	2.75	0.25	8.98	1/2-13
213C					5.50															
215C	9.50	8.00	5.25	4.25	7.00	0.41	10.10	9.69	1.12	3.00	0.75	8.37	6.83	2.75	7.25	8.50	3.50	0.25	9.00	1/2-13
213TC					5.50															
215TC	9.50	8.00	5.25	4.25	7.00	0.41	10.03	9.69	1.37	3.37	0.75	8.37	6.83	3.12	7.25	8.50	4.25	0.25	9.04	1/2-13

### Cast Iron Construction

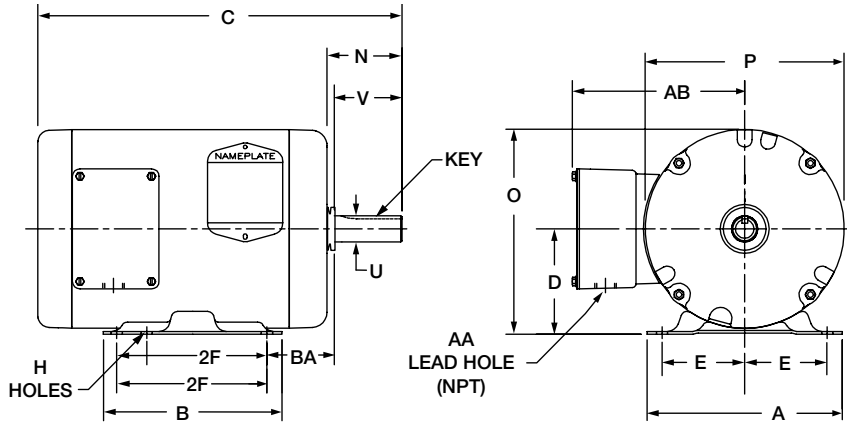
NEMA Frame	A	B	D	E	2F	H	O	P	U	V	AA	AB	AC	AH	AJ	AK	BA	BB	BD	Tap
213TC					5.50															
215TC	9.75	8.00	5.25	4.25	7.00	0.41	10.75	11.00	1.37	3.38	0.75	9.66	7.62	3.12	7.25	8.50	4.25	0.25	9.05	1/2-13
254TC					8.25															
256TC	11.50	11.50	6.25	5.00	10.00	0.53	12.94	13.44	1.62	4.00	1.25	11.19	8.57	3.75	7.25	8.50	4.75	0.25	9.13	1/2-13
284TCS					9.50															
286TCS	12.76	12.75	7.00	5.50	11.00	0.53	14.75	15.54	1.62	3.25	1.25	14.37	10.69	3.00	9.00	10.50	4.75	0.25	11.15	1/2-13
284TC					9.50															
286TC	12.76	12.75	7.00	5.50	11.00	0.53	14.75	15.54	1.87	4.62	1.25	14.37	10.69	4.37	9.00	10.50	4.75	0.25	11.15	1/2-13
324TC					10.50															
326TC	14.50	14.00	8.00	6.25	12.00	0.65	16.68	17.46	2.12	5.25	1.50	15.25	11.60	5.00	11.00	12.50	5.25	0.25	13.38	5/8-11

NOTE: Drawings shown are for reference only. Please contact Baldor for a detailed dimensional drawing of the specific motor you require.

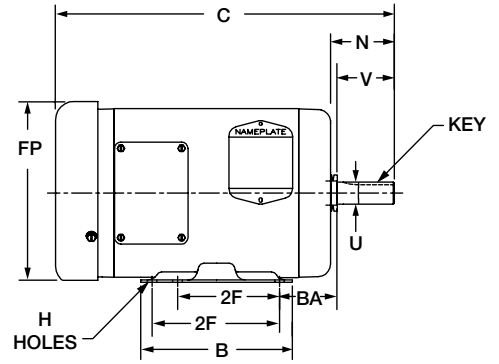
# Dimensions

## Washdown Motors – TENV & TEFC Foot Mounted & C-Face NEMA 56 - 256TC

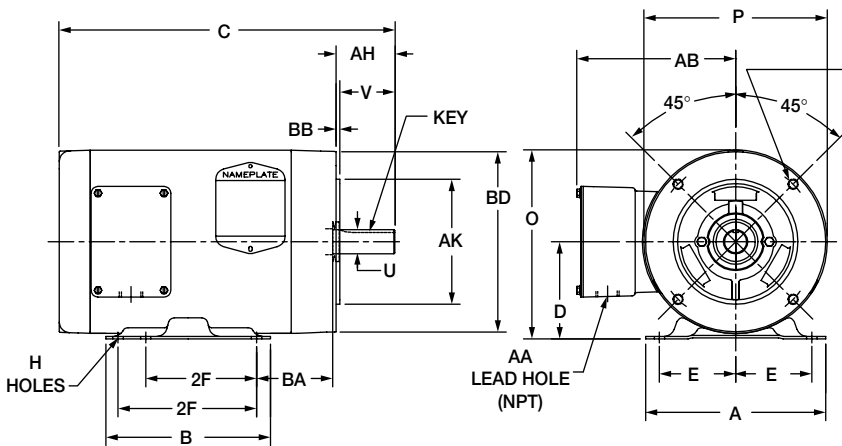
TENV Enclosure



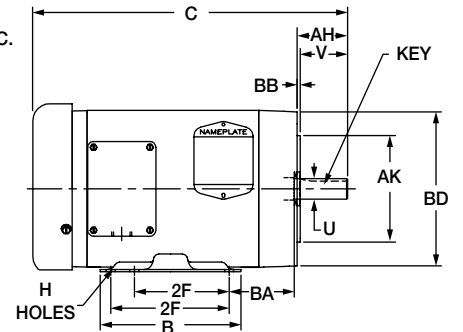
TEFC Enclosure



TENV Enclosure



TEFC Enclosure



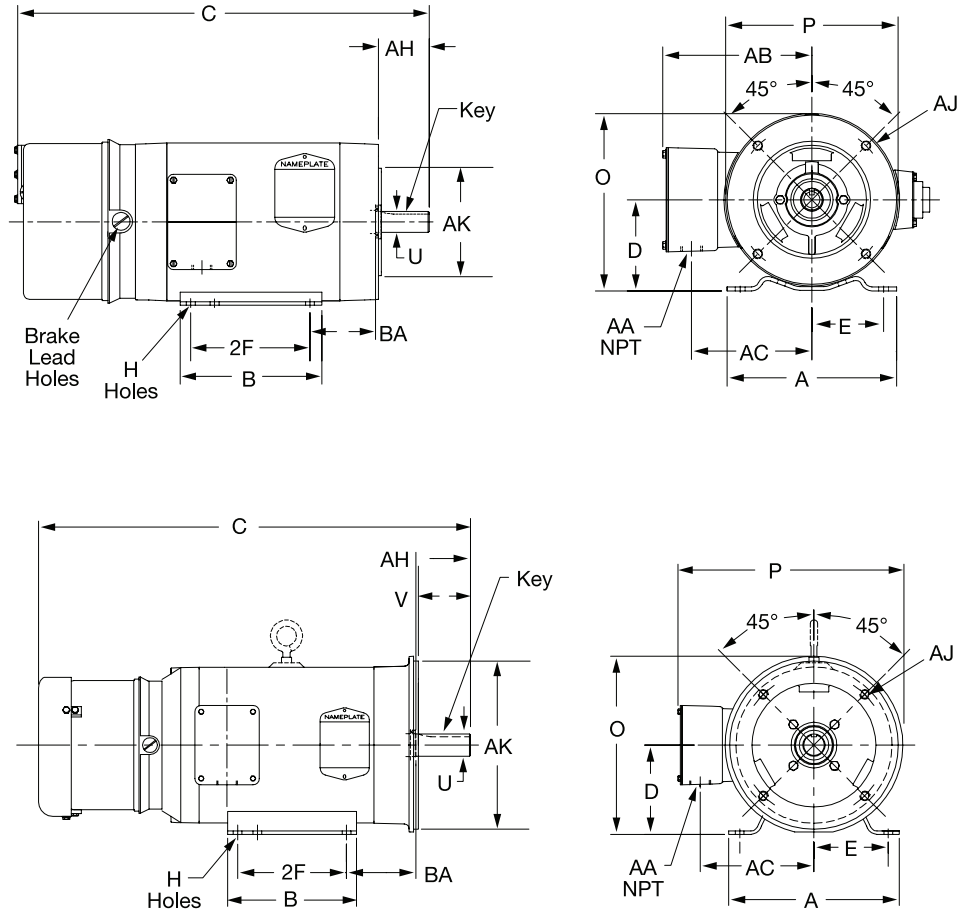
Catalog No. starting with "C" = C-face with base.  
Catalog No. starting with "V" = C-face, no base.

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](http://www.baldor.com) for the detailed dimension drawing for your specific catalog number.

# Dimensions

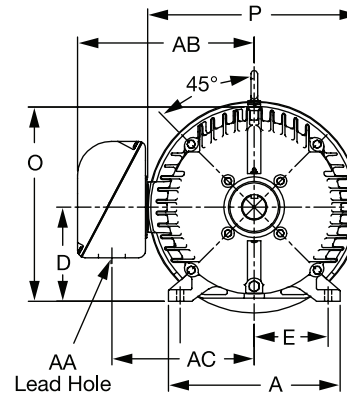
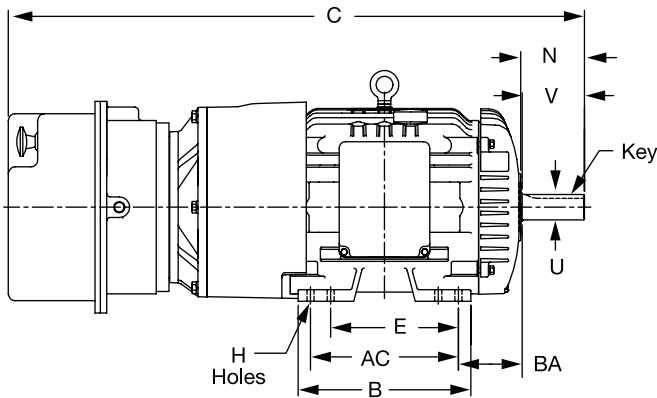
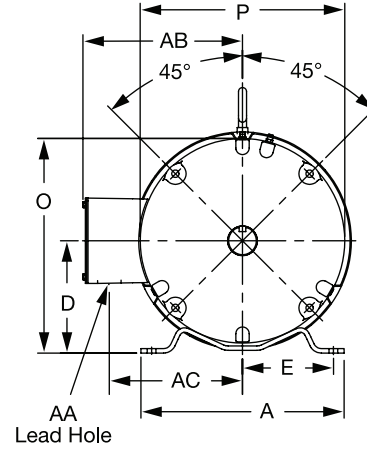
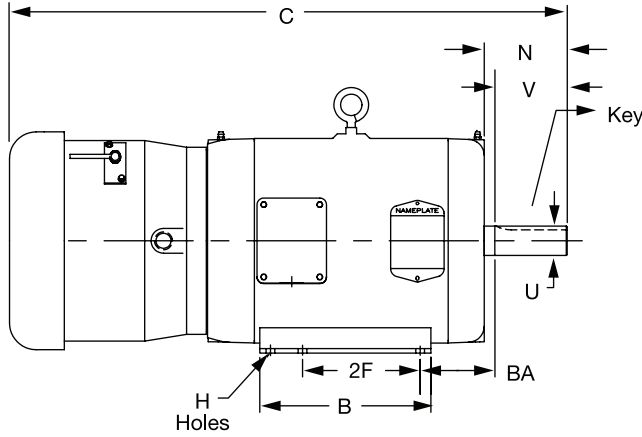
## Washdown Brake Motors C-Face Foot Mounted NEMA 56C - 184TC



	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

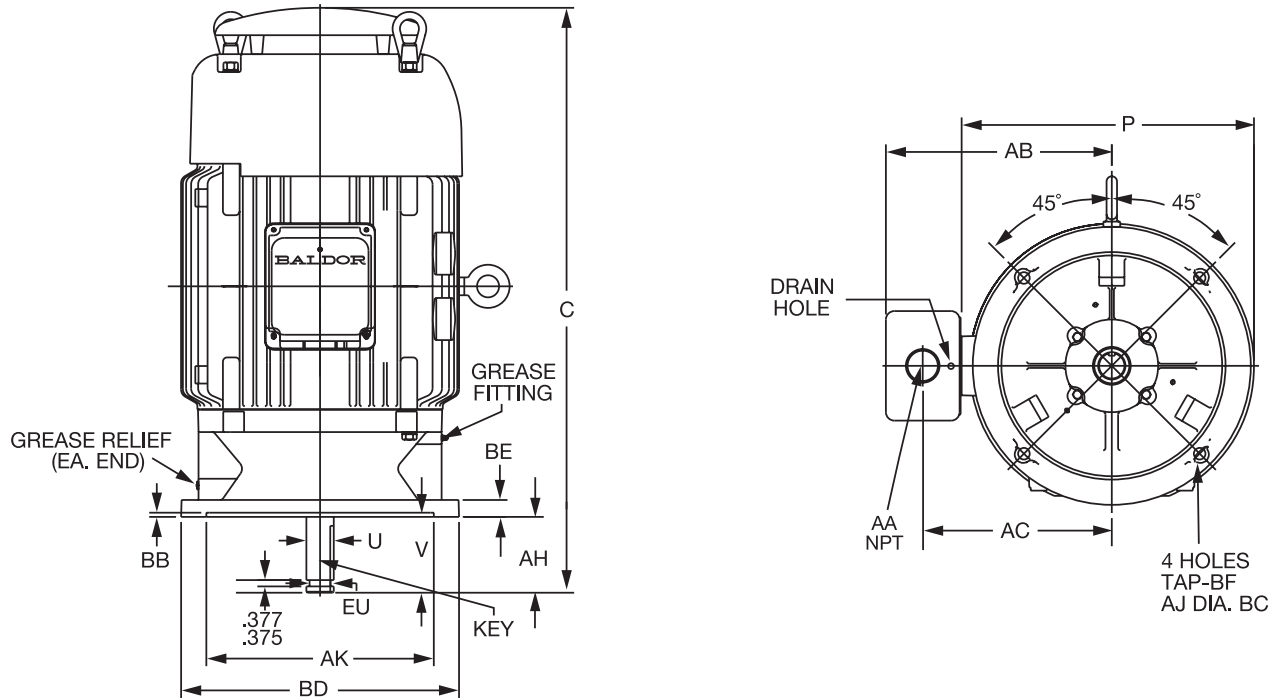
## Brake Motors Foot Mounted NEMA 56 - 286T



	NEMA Frame	A	B	D	E	2F	H	Key	N	O	P	U	V	AA	AB	AC	BA
<b>Steel Band Construction</b>																	
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
<b>Cast Iron</b>																	
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

## P-Base Vertical Solid Shaft Pump Motors Cast Iron Construction – TEFC NEMA 182HP - 365HP (Normal Thrust)

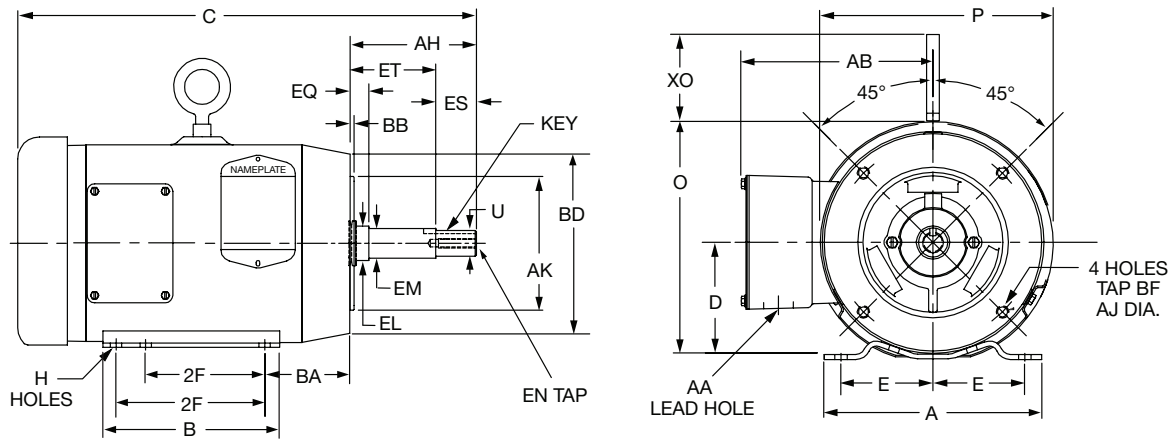


NEMA Frame	Key	P	U	V Min	AA NPT	AB	AC	AH	AJ	AK	BB	BD	BE	Tap BF	EU
182HP 184HP	0.25	13.6	1.125	3.00	1.00	7.85	8.29	2.75	9.12	8.25	0.25	9.88	0.69	0.44	0.875
213HP 215HP	0.25	12.13	1.125	3.00	1.50	8.68	7.11	2.75	9.12	8.25	0.25	9.88	0.69	0.44	0.875
254HP 256HP	0.25	12.94	1.125	3.00	1.50	10.13	8.29	2.75	9.12	8.25	0.25	9.87	0.69	0.44	0.875
284HP 286HP	0.25	15.56	1.125	3.00	2.00	12.57	10.31	2.75	9.12	8.25	0.25	9.87	0.69	0.44	0.875
324HP 326HP	0.38	17.35	1.625	4.75	2.00	13.47	11.16	4.5	14.75	13.5	0.25	16.5	1	0.44	1.25
364HP 365HP	0.375	20.25	1.625	4.50	3.00	18.00	13.81	4.5	14.75	13.5	0.25	16.5	0.88	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](http://www.baldor.com).

# Dimensions

## Close-Coupled Pump Motors – TEFC JM Mount NEMA 143JM - 326JM



NEMA Frame	A	B	D	E	2F	H	KEY	O	P	U	AA	AB	AH	AJ	BF TAP	AK	BA	BB	BD	XO
<b>Steel Band Construction</b>																				
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
<b>Cast Iron</b>																				
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

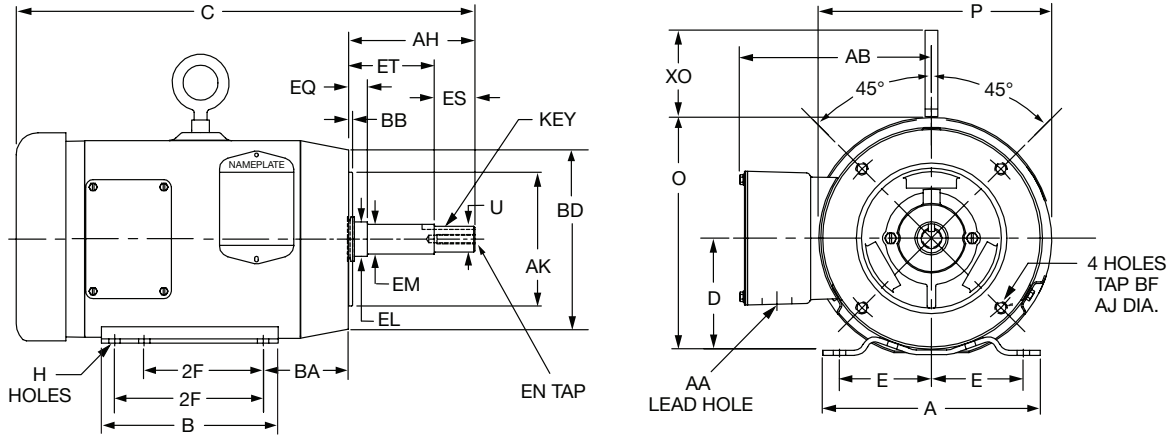
NEMA Frame	EL	EM	EN	EQ	ES	ET
<b>Steel Band Construction</b>						
143JM	1.15	1.0	0.38-16 x 0.88	0.625	1.38	2.875
145JM	1.15	1.0	0.38-16 x 0.88	0.625	1.38	2.875
182JM	1.25	1.0	0.38-16 x 0.88	0.625	1.38	2.875
184JM	1.25	1.0	0.38-16 x 0.88	0.625	1.38	2.875
213JM	1.25	1.0	0.38-16 x 0.88	0.625	1.38	2.875
215JM	1.25	1.0	0.38-16 x 0.88	0.625	1.38	2.875
<b>Cast Iron</b>						
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](http://www.baldor.com) for the detailed dimension drawing for your specific catalog number.



# Dimensions

## Close-Coupled Pump Motors – TEFC JP Mount NEMA 215JP - 326JP



NEMA Frame	A	B	D	E	2F	H	KEY	O	P	U	AA	AB	AH	AJ	BF TAP	AK	BA	BB	BD	XO
<b>Steel Band Construction</b>																				
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
<b>Cast Iron</b>																				
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

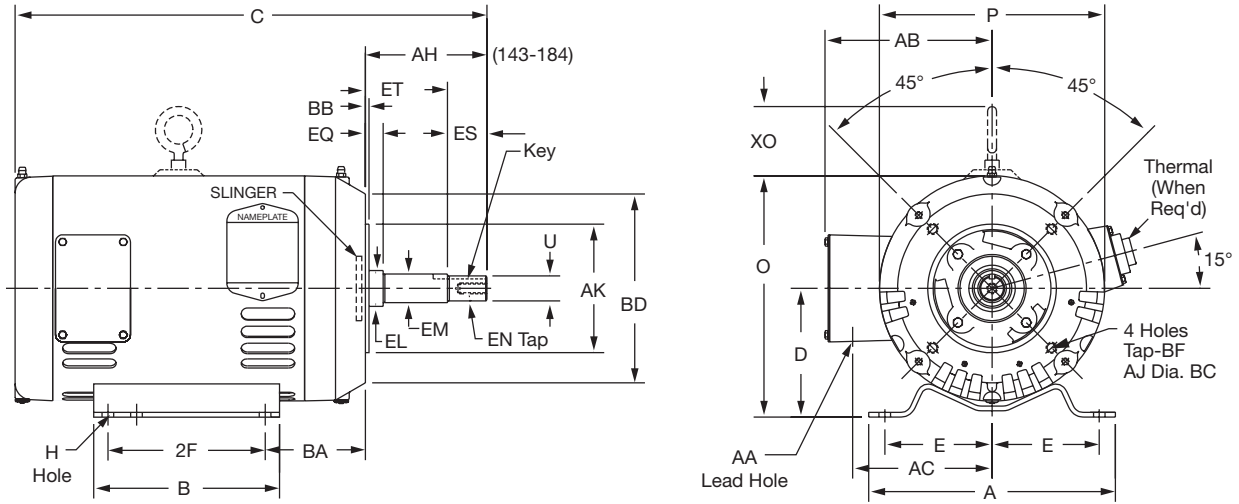
## Washdown Closed-Coupled Pump Shaft Motors

NEMA Frame	EL	EM	EN	EQ	ES	ET
<b>Steel Band Construction</b>						
215JP	1.75	1.38	0.50-13x1.12	2.375	2.25	5.875
<b>Cast Iron</b>						
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](http://www.baldor.com) for the detailed dimension drawing for your specific catalog number.

# Dimensions

## Close-Coupled Pump Motors – Open Drip Proof JM Mount NEMA 143JM - 326JM



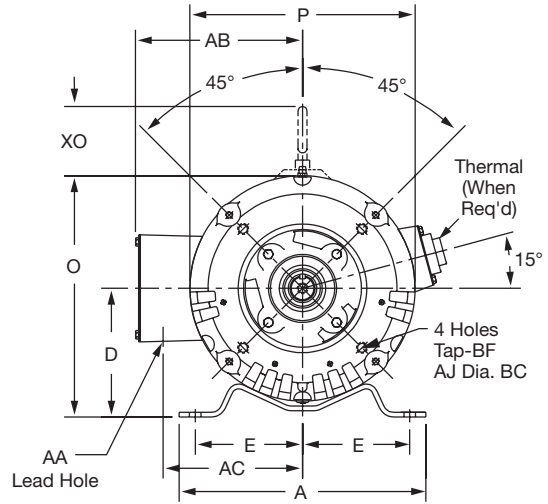
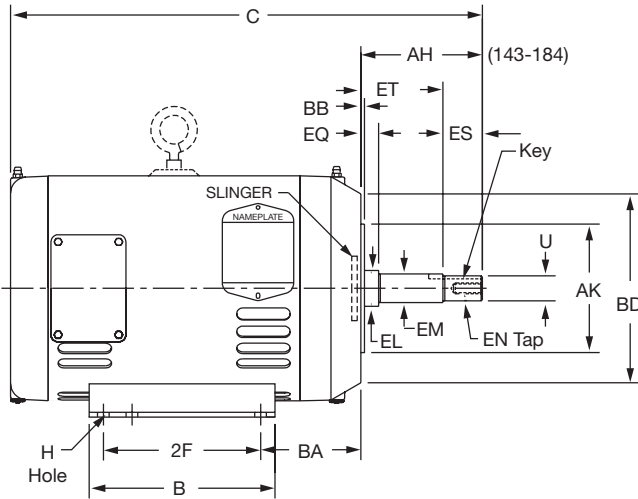
NEMA Frame	A	B	D	E	2F	H	Key	O	P	U	AA	AB	AC	AH	AJ	AK	BB	BD	BF	Tap BA
143JM 145JM	6.50	5.94	3.50	2.75	4.00 5.00	0.34	0.19	6.77	6.62	0.875	0.88	5.61	4.56	4.28	5.88	4.50	0.13	6.51	0.38-16	2.88
182JM 184JM	8.63	6.50	4.50	3.75	4.50 5.50	0.41	0.19	8.44	7.88	0.875	1.09	6.74	5.70	4.25	5.88	4.50	0.13	6.61	0.38-16	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 at [www.baldor.com](http://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

## Close-Coupled Pump Motors – Open Drip-Proof JP Mount NEMA 213JP - 326JP



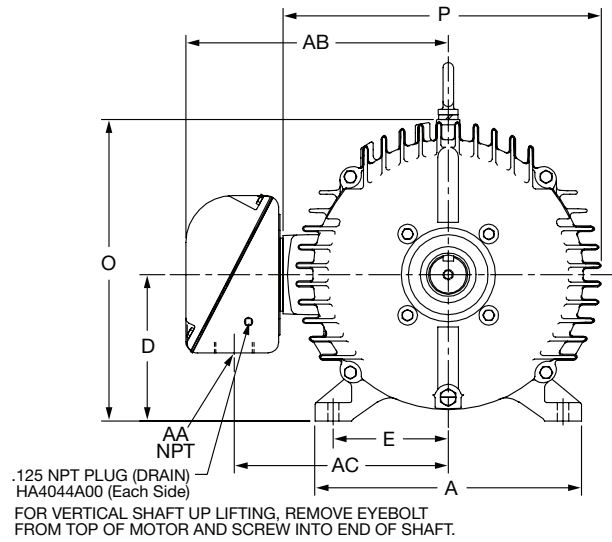
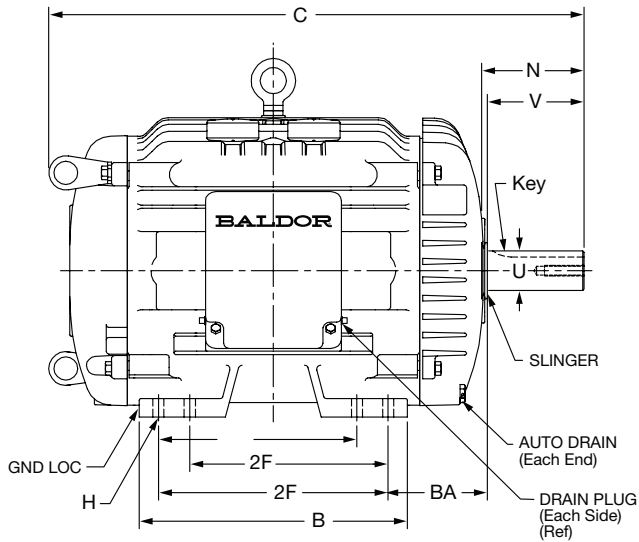
NEMA Frame	A	B	D	E	2F	H	Key	O	P	U	AA	AB	AC	AH	AJ	AK	BB	BD	BF	Tap BA
213JP	9.50	8.00	5.25	4.25	5.50	0.41	0.188	10.03	15.59	0.875	1.38	7.92	6.72	8.125	7.25	8.50	0.25	9.07	0.50-13	4.25
215JP	9.50	8.00	5.25	4.25	7.00	0.41	0.188	10.03	15.59	0.875	1.38	7.92	6.72	8.125	7.25	8.50	0.25	9.07	0.50-13	4.25
254JP	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 at [www.baldor.com](http://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

## Chiller/Cooling Tower – TEAO Foot Mounted NEMA 182T - 405T

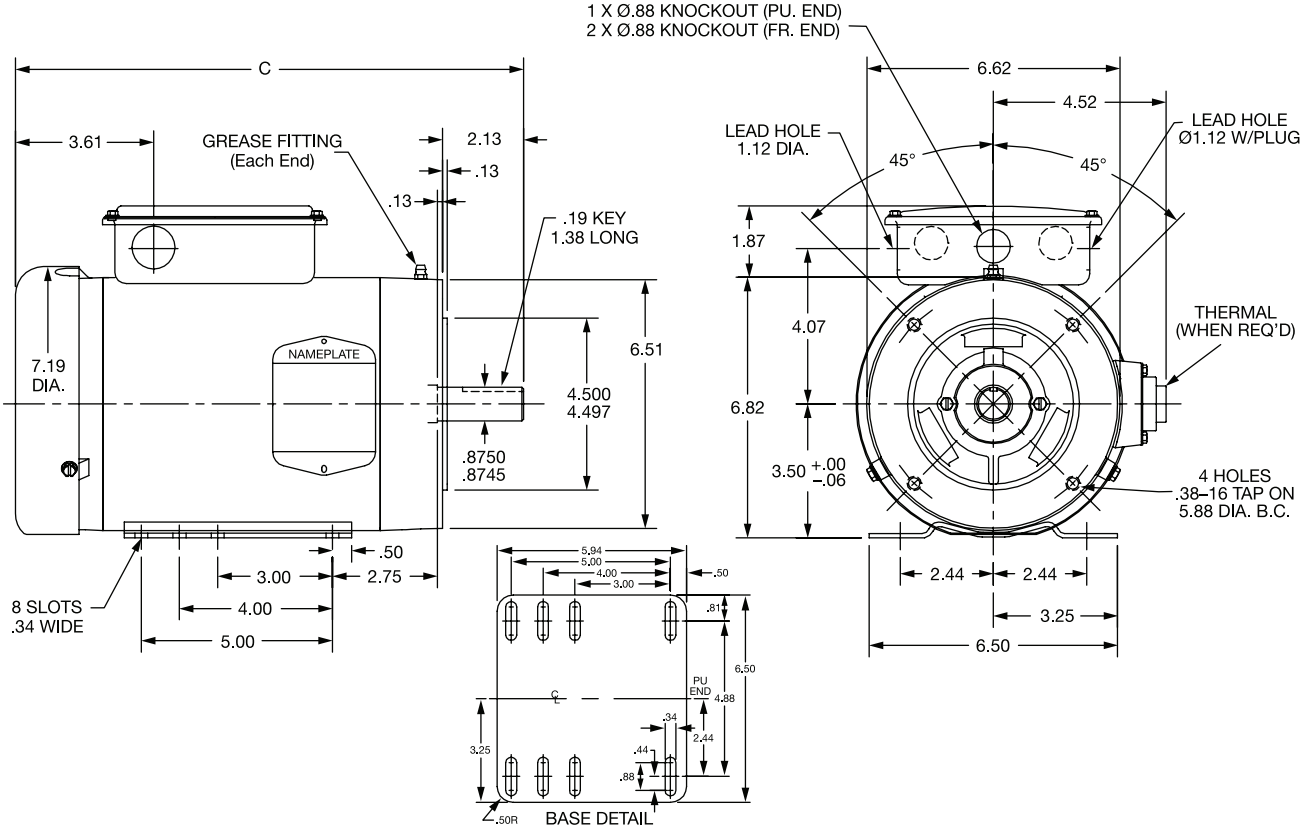


Frame Size	A	B	D	E	2F	H	Key	N	O	P	U	V	XP Terminal Box			
													AA	AB	AC	BA
182T 184T	8.62	6.5	4.5	3.75	4.5 5.5	0.41	0.25	2.81	9.23	9.46	1.125	2.75	0.75	7.12	5.75	2.75
213T 215T	9.62	8.12	5.25	4.25	5.5 7.0	0.41	0.31	3.88	10.99	11.5	1.375	3.38	1	9.22	7.43	3.5
254T 256T	11.5	11.5	6.25	5	8.25 10	0.53	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

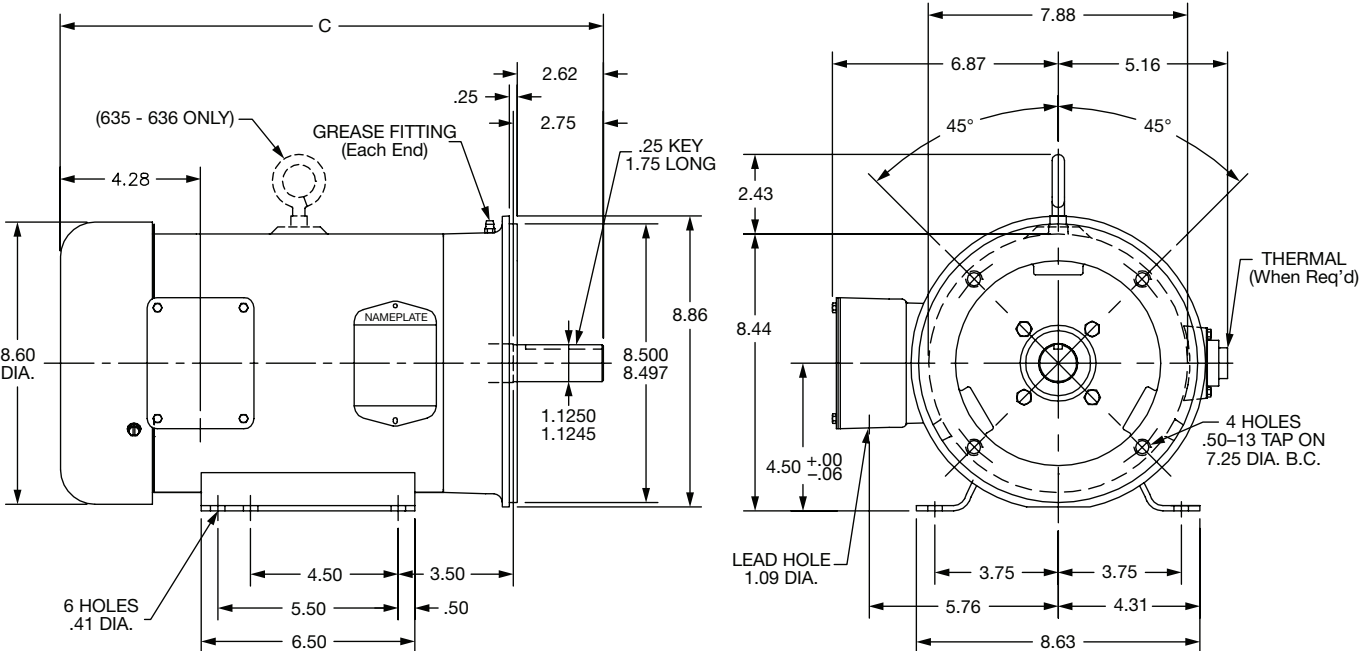
**NOTE:** Drawings shown are for reference only. Contact Baldor for a detailed dimensional drawing of the specific motor you require. Drawings may also be available at [www.baldor.com](http://www.baldor.com).

# Dimensions

## Unit Handling Motors C-Face Foot Mounted NEMA 145TCY

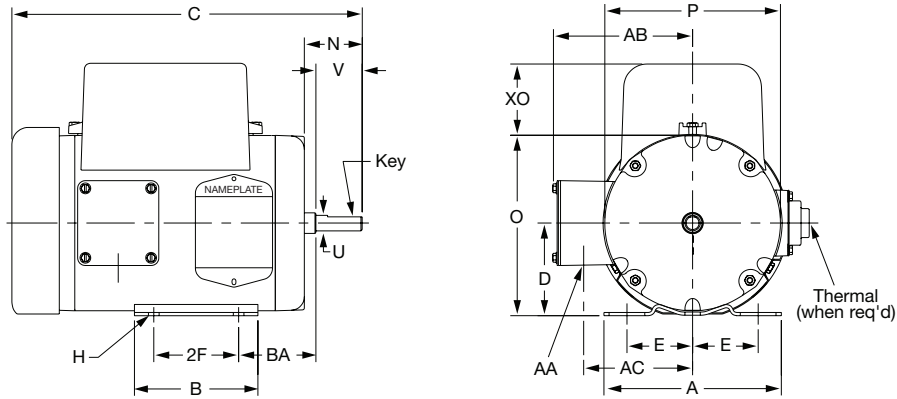


## Unit Handling Motors C-Face Foot Mounted NEMA 182TC - 184TC



# Dimensions

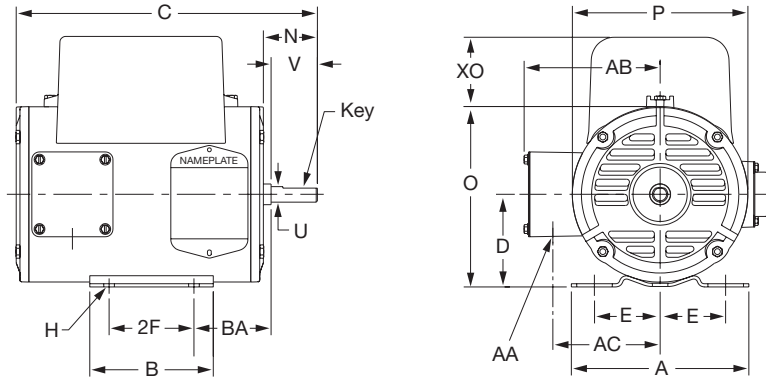
## Single Phase Motors - TEFC Foot Mounted NEMA 48 - 184T



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 at [www.baldor.com](http://www.baldor.com).

## Single Phase Motors - Open Drip-Proof Foot Mounted NEMA 48 - 184T

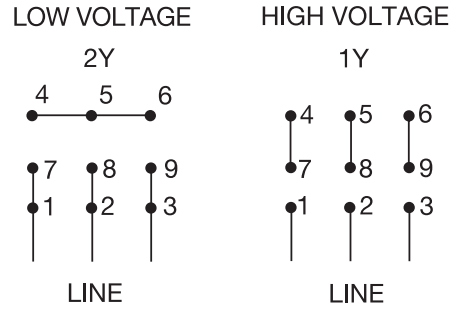
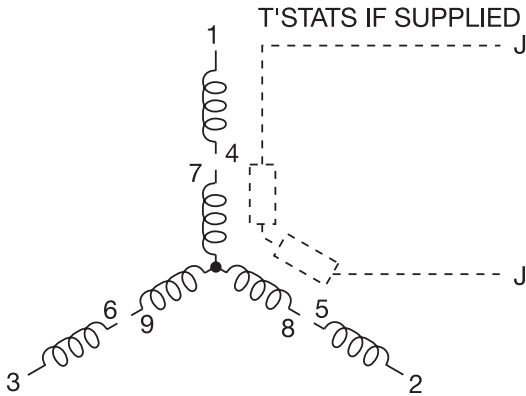


NEMA Frame	A	B	D	E	2F	H	Key	N	O	P	U	V	AA	AB	AC	BA	XO
48	5.75	4.00	3.00	2.12	2.75	0.34 Slot	Flat 0.047 Deep 1.12 Long	1.75	5.85	5.69	0.50	1.50	0.88	5.06	3.54	2.50	1.50 2.25
56 400 Typ	6.56	4.00	3.50	2.44	3.00	0.34 Slot	0.19	2.13	6.34	5.69	0.625	1.88	0.88	5.06	3.54	2.75	1.50 2.25
56 56H	6.50	4.50 6.50	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 at [www.baldor.com](http://www.baldor.com).

# Connection Diagrams

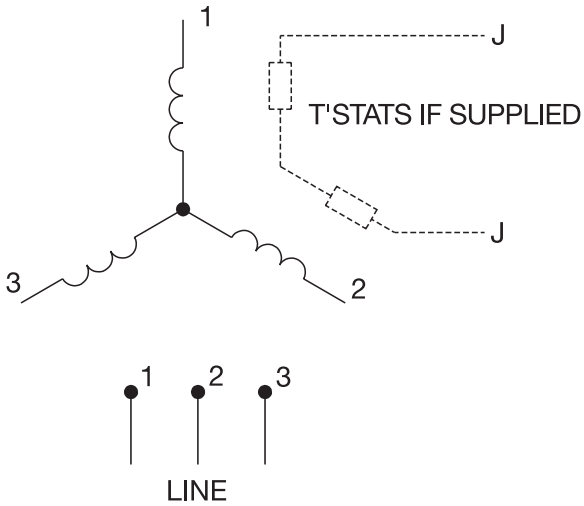
## CD0005 and 416820-1



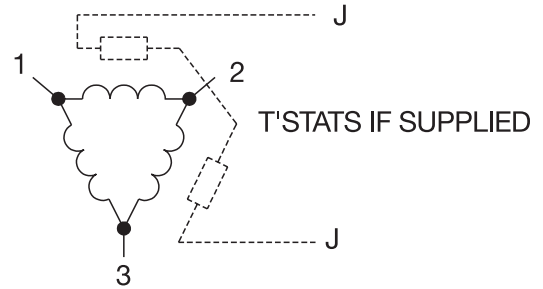
- Notes:**
1. Interchange any two line leads to reverse rotation.
  2. Thermostats are provided when specified.
  3. Actual number of internal parallel circuits may vary.
  4. Lead colors are optional. Leads must be numbered as shown.

## CD0006, 416820-24 and 416820-25

TYPICAL WYE-CONNECTED MOTOR

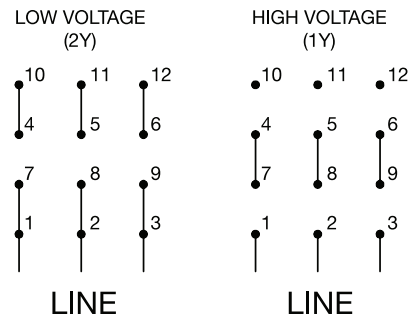
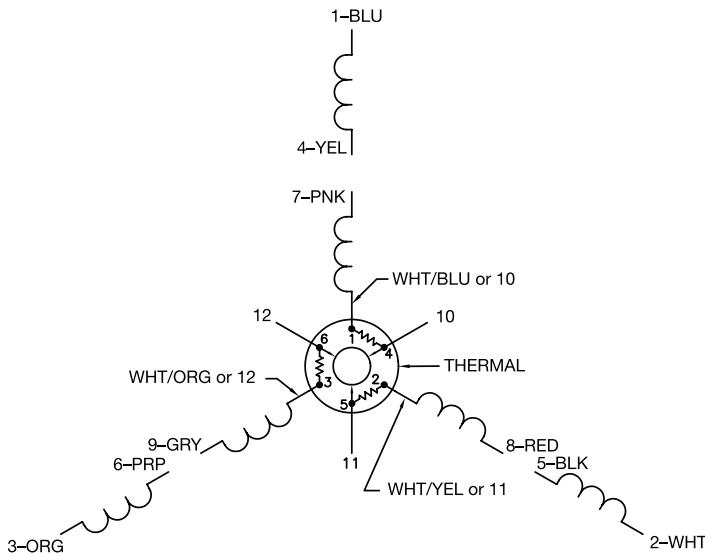


TYPICAL DELTA-CONNECTED MOTOR



- 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. 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.

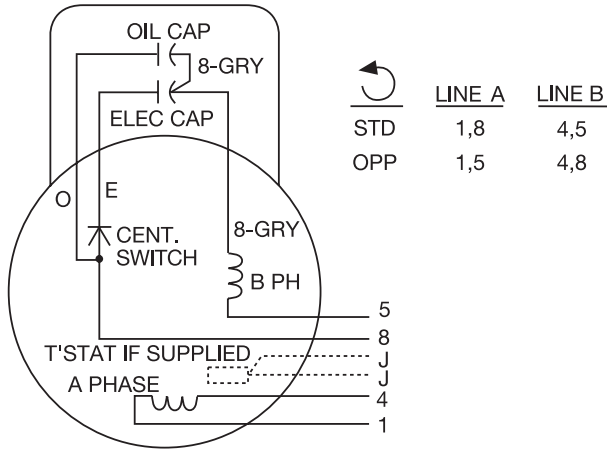
## CD0007



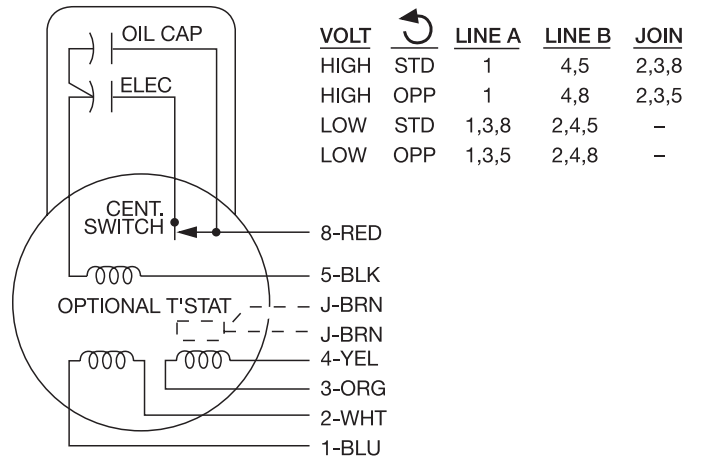
- Notes:**
1. Interchange any two line leads to reverse rotation.
  2. Thermostats are provided when specified.
  3. Actual number of internal parallel circuits may vary.
  4. Lead colors are optional. Leads must be numbered as shown.

# Connection Diagrams

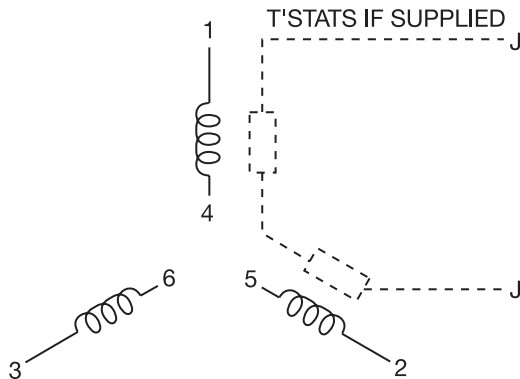
## CD0017A02



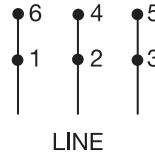
## CD0055



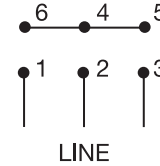
## CD0022 and 416820-4



LOW VOLTAGE  
1D



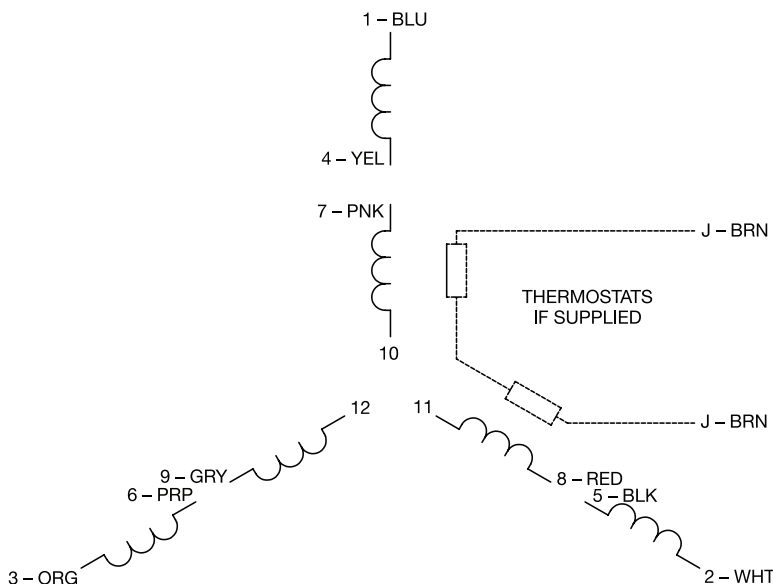
HIGH VOLTAGE  
1Y



**Notes:**

1. Interchange any two line leads to reverse rotation.
2. 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.

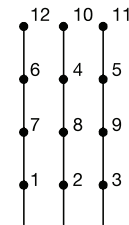
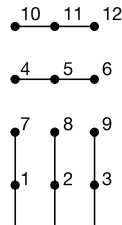
## CD0104



LOW VOLTAGE

START (2Y)

RUN (2D)

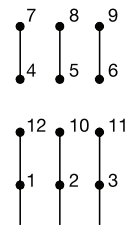
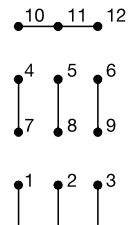


LINE

HIGH VOLTAGE

START (1Y)

RUN (1D)



LINE

LINE

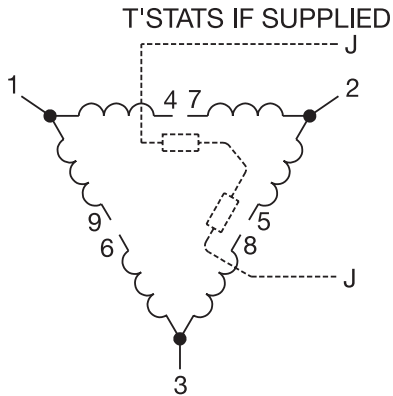
**Notes:**

1. Interchange any two line leads to reverse rotation.
2. Thermostats are provided when specified.
3. Actual number of internal parallel circuits may be a multiple of those shown above.
4. Lead colors are optional. Leads must be numbered as shown.

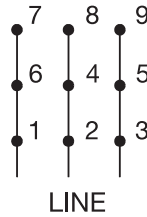


# Connection Diagrams

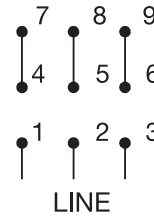
## CD0180 and 416820-2



LOW VOLTAGE  
(2D)



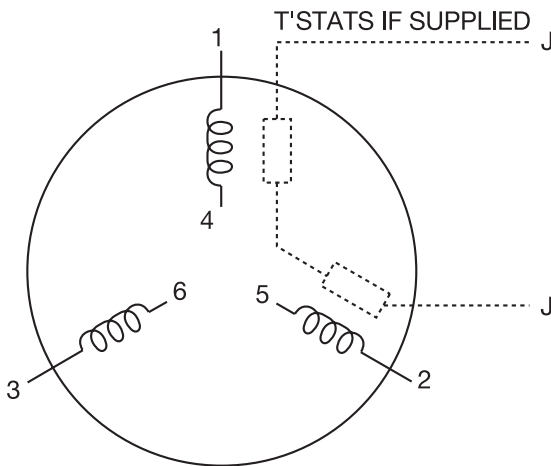
HIGH VOLTAGE  
(1D)



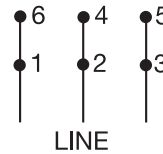
**Notes:**

1. Three lead motors may be designed as either wye-connected or delta-connected.
2. Interchange any two line leads to reverse rotation.
3. 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.

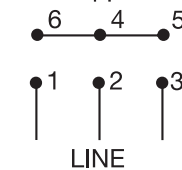
## CD0382



RUN CONNECTION  
1D



START CONNECTION  
1Y

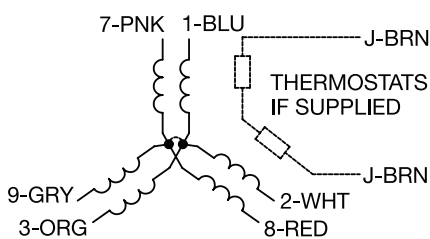


**Notes:**

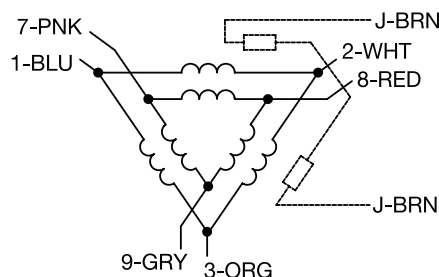
1. Interchange any two line leads to reverse rotation.
2. Thermostats are provided when specified.
3. Actual number of internal parallel circuits may vary.
4. Lead colors are optional. Leads must be numbered as shown.
5. For Across-The-Line starting, use "RUN" connection

## CD0695

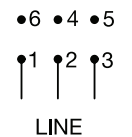
TYPICAL WYE-CONNECTED MOTOR



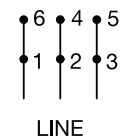
TYPICAL DELTA-CONNECTED MOTOR



START CONNECTION



RUN CONNECTION



**Notes:**

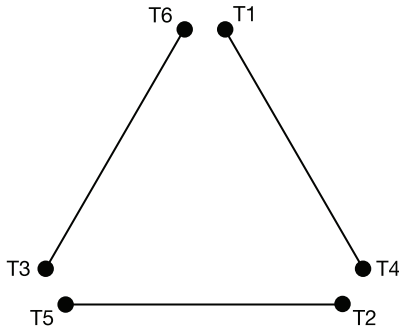
1. Motor may be wye-connected or delta-connected.
2. Interchange any two line leads to reverse rotation.
3. Thermostats are provided when specified.
4. Actual number of internal parallel circuits may vary.
5. Lead colors are optional. Leads must be numbered as shown.

# Connection Diagrams

**416820-008**

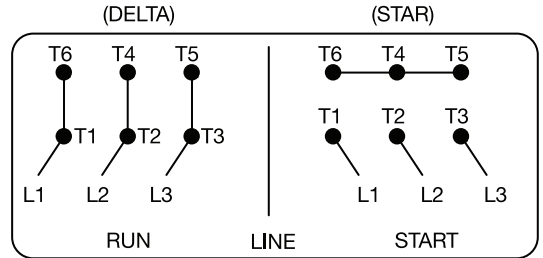
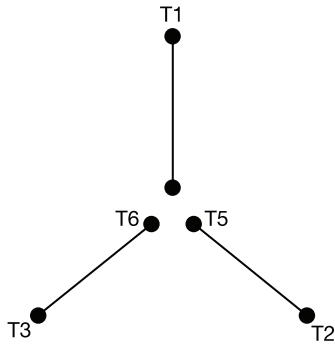
STANDARD 6 LEAD

DELTA  
(RUN)



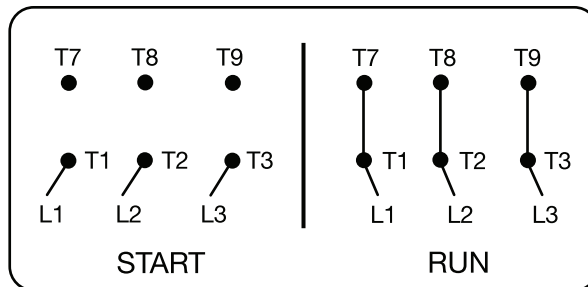
Y START – DELTA RUN

STAR(Y)  
(START)



**416820-015**

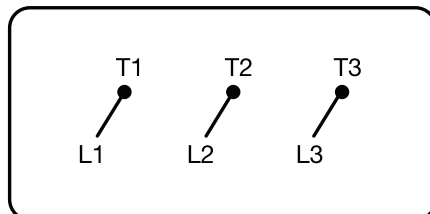
PART WINDING START



**416820-036**

STANDARD 3 LEAD

CONNECTED





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FAX: 479-754-9205

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