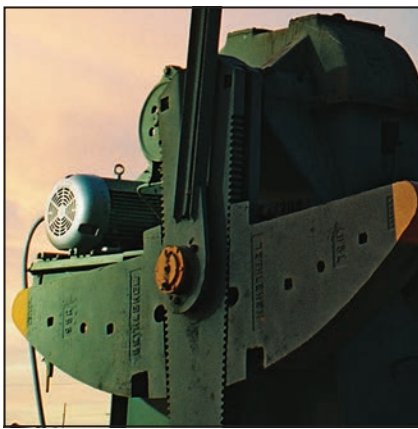


BALDOR • RELIANCE

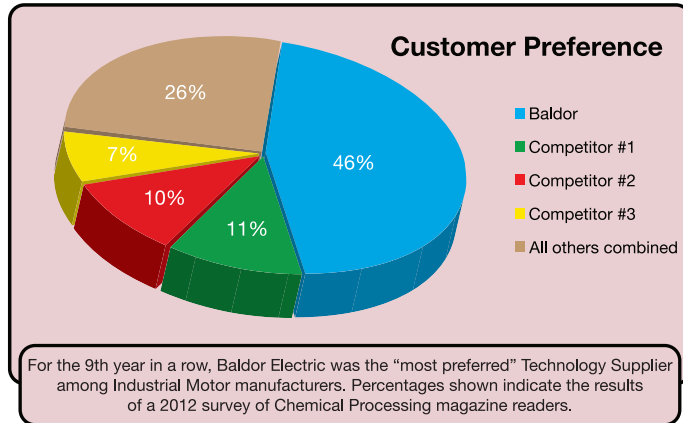


Severe Duty Motors



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



Baldor products are available at more locations than any other brand. Our 35 district offices across North America and 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, or you may talk to a Baldor customer service person at one of our sales offices.

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Severe Duty Motors

When Baldor introduced its first Severe Duty motor over forty years ago, the mission was clear: Provide a reliable and efficient motor, built rugged enough for a wide range of processing applications. Customer response was good, but many customers then came to Baldor for help in meeting the very specific challenges of their industry.

With that first Severe Duty motor – and a long-standing commitment to listening to customers – Baldor's Severe Duty family has grown to include motors designed for a variety of processing industries worldwide.

Over 750 Stock Motor Ratings

Today, Baldor offers customers a wide range of Severe Duty motors directly from stock, including your choice of premium efficient or energy efficient motors, in ratings from 1/2 to 1500 horsepower. Non-stock motors are delivered in just ten working days. All Baldor•Reliance Severe Duty motors (except Explosion-Proof) are "Inverter-Ready."

The Right Severe Duty Motor for your Application

Whether it's a high torque design motor operating at a rock crusher in a quarry, or an 841XL motor operating continually in a refinery, Baldor offers customers a variety of choices.

Severe Duty motors are designed for general processing industry applications requiring protection from severe environmental operating conditions. In applications where the motor works continually and energy efficiency is a consideration, Baldor•Reliance Super-E® Severe Duty motors are available in TEFC ratings from 1 through 2250 Hp. Cast-iron construction, epoxy primer inside and out, and gaskets on all joints are some of the features of Baldor's Severe Duty motors.

For the ultimate in protection from severe environments – where you need added insurance against downtime – Baldor offers 841XL motors. Delivering reliable, rugged performance with the industry's highest energy efficiencies, these motors exceed IEEE 841 – 2009 standards for severe duty TEFC induction motors.

Baldor also offers a variety of special-purpose severe duty motors, including Dirty Duty®, Quarry Duty, Crusher Duty, Explosion-Proof and Vertical Shaft Pump motors.



A Baldor•Reliance 500 Hp, medium voltage Severe Duty Motor (pictured at the back end of the machine) and Series 22H Line Regen Vector Control run this chipping machine at a North Carolina lumber mill. High performance and reliability are the hallmarks of this Baldor motor, running in multiple shifts, under high-torque demands, exposed to sawdust and other airborne contaminants.

Leadership in Premium Efficiency

The Consortium for Energy Efficiency (CEE) is a non-profit organization whose mission is to increase the use of energy-efficient products and services. In 1998, the CEE 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."

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.

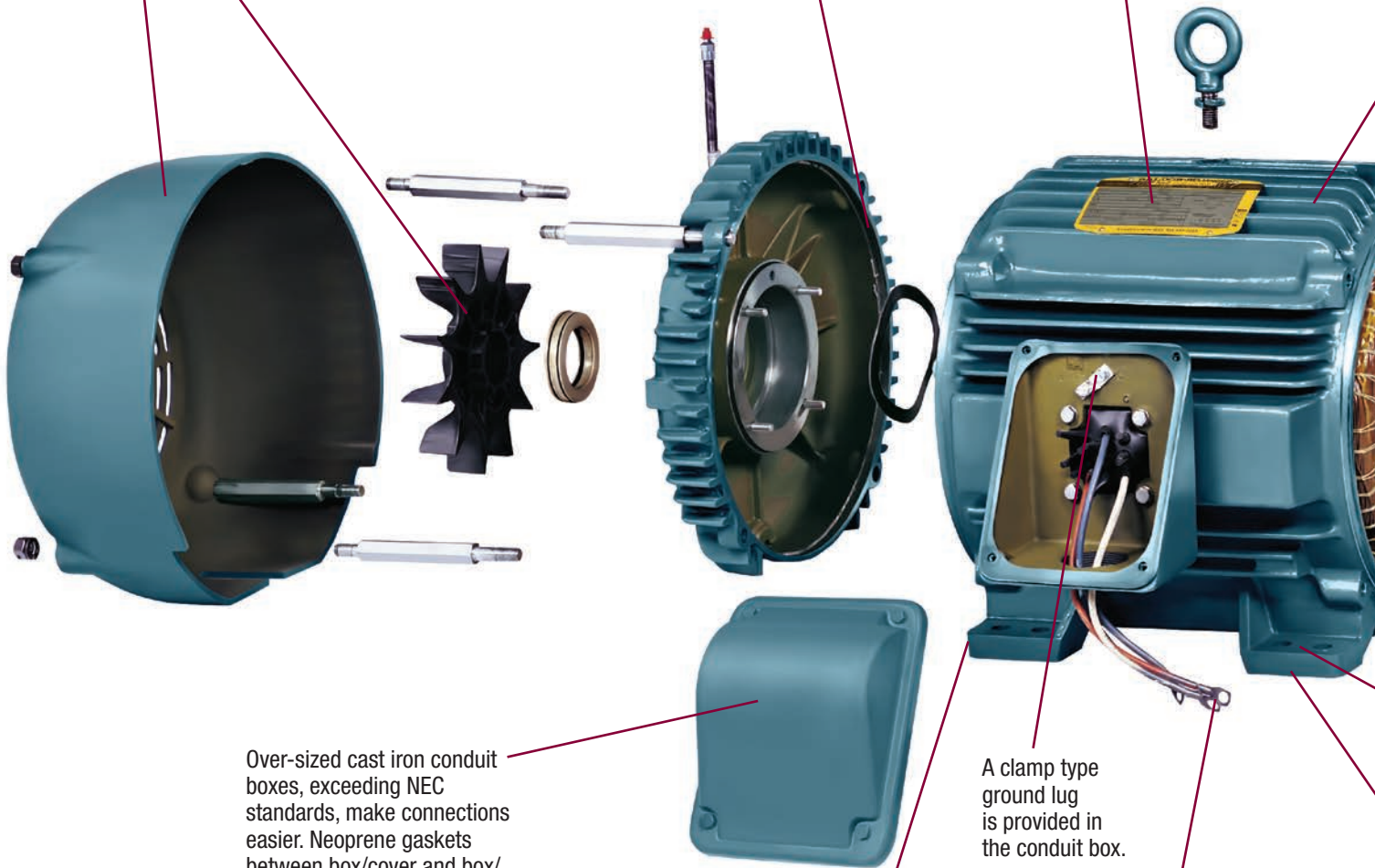
A wide selection of premium efficient motors, available from stock, manufactured and sold by a company committed to building better products for industries worldwide. No wonder, since the 1920s, Baldor is recognized as the worldwide leader in energy efficient motors and drives.

Severe Duty Motors: Built for Reliable Performance

Fan and fan cover designed for maximum efficiency, cooling and quiet operation

Sealant applied to bracket to frame fits for added protection

Embossed stainless steel nameplates allow for easy data readability over the installed life of the motor.



Over-sized cast iron conduit boxes, exceeding NEC standards, make connections easier. Neoprene gaskets between box/cover and box/frame prevent entry of moisture and contaminants.

A clamp type ground lug is provided in the conduit box.

A drilled and tapped hole for a ground lug is provided on the frame.

Seamless compression type lead terminals for easy, secure connections

PLUS...

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

■ Features found in ECP/XEX, 841XL & 661XL Severe Duty motors

■ Features found only in 841XL and 661XL motors

DIVISION 2 MARKINGS
841XL motors include as standard Division 2/Zone 2 markings for Class I, Div 2, Groups A,B,C,D and Class I, Zone 2, Groups IIA,IIB, IIC with a T3 (200°C) or better temperature code.

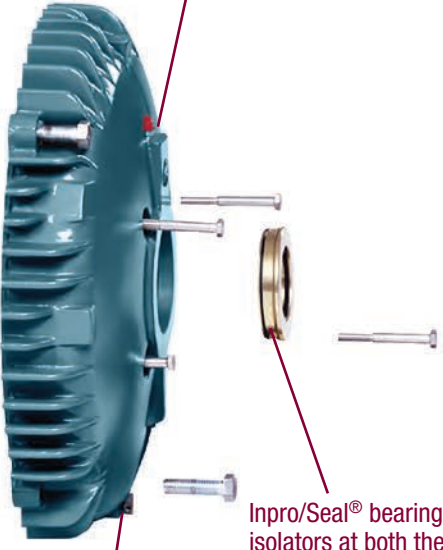
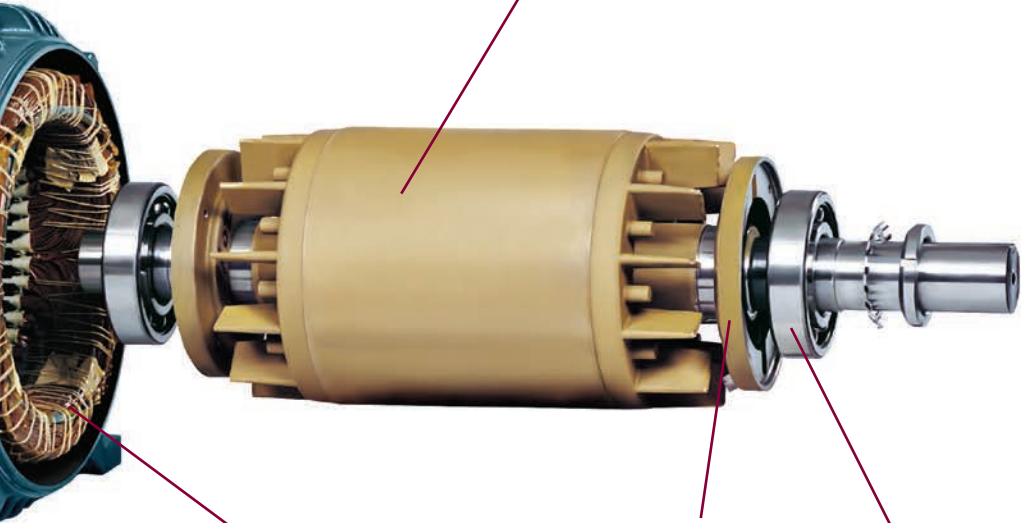
High strength cast iron frame, end-plates, fan cover and conduit box. Designed to reduce vibration and assure accurate mounting dimensions

High pressure die cast aluminum rotor thru 449T frames minimize vibration. Coated to prevent corrosion

841XL motors are guaranteed to meet IEEE Std. 841-2009 vibration limits.

Grease inlet fittings and reliefs on both ends of motor make lubrication maintenance easy.

Automatic grease relief fitting on both ends of motor



Cast iron bearing inner-caps provide accurate alignment and prevent bearing contamination

Stainless steel T-Drain in each end plate

Inpro/Seal® bearing isolators at both the drive end and fan end ensure bearing protection from contamination. VBX type 140T-210T frames, VBXX type 250T-449T frames

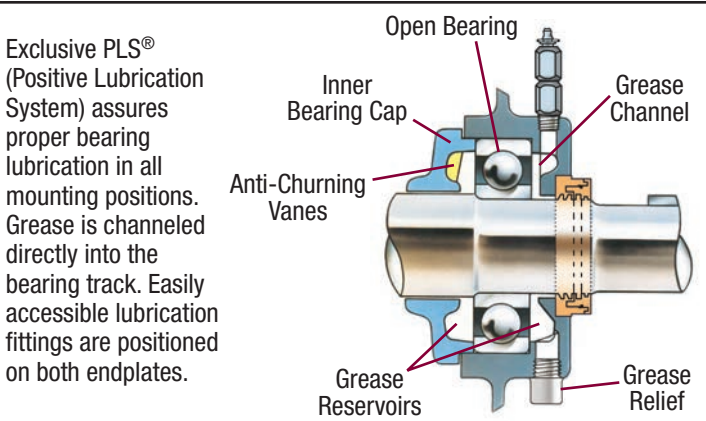
The draft angle on top of all mounting feet is 1.5 degrees or less to make proper mounting easier

Foot pad planity within 0.005 inches for precision alignment to driven equipment.

Rugged Electrical Design:

- Coil heads are laced on both ends to prevent movement.
- Stator coil dipped and baked in non-hydroscopic 100% solids epoxy varnish. Class F insulation consisting of Class F and Class H materials.
- All stator windings are tested before and after insertion into the frame to NEMA MG.1 high potential voltage standards.
- Insulation system meets the requirements of NEMA MG 1 Part 31.4.4.2 for VFD use and is considered inverter ready.

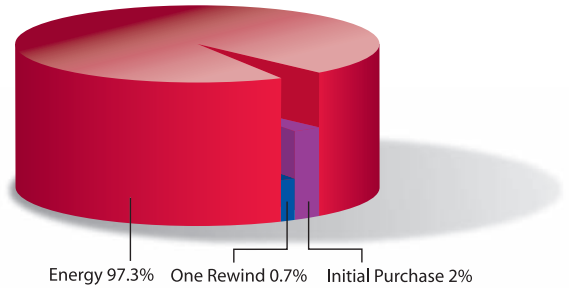
PLS CONSTRUCTION



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

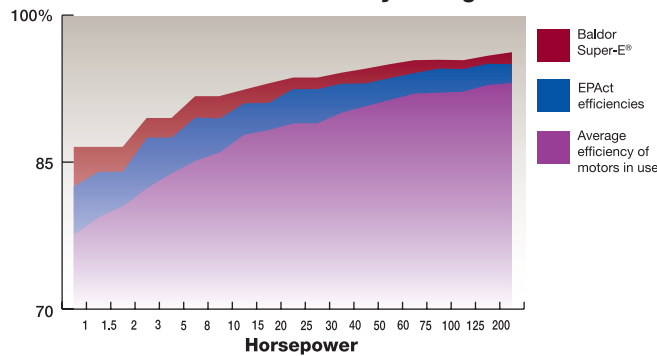
Baldor's line of Super-E motors offers customers the highest level of overall efficiencies available from any motor manufacturer, meeting or exceeding NEMA Premium® efficiency.

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

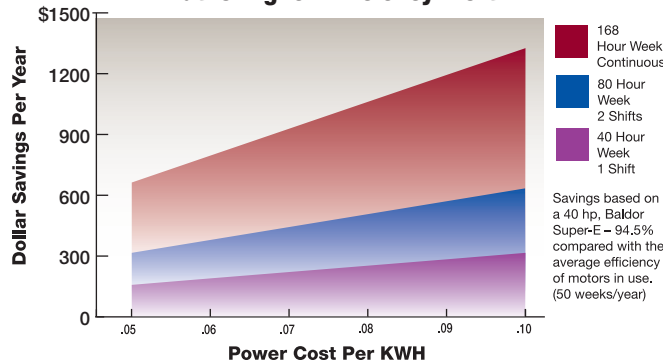
In order to make payback calculations easier for customers, Baldor developed BE\$T, Baldor Energy Savings Tool. The software helps calculate energy cost and energy savings for motors, as well as payback time frames. A popular feature of BE\$T is that it allows users to make head-to-head comparisons of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

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

Electric Motor Efficiency Ratings



What is Higher Efficiency Worth?



Severe Duty Motor Construction

Baldor•Reliance Severe Duty motors share a number of electrical and mechanical features that add up to outstanding value. Dirty Duty® motors are available in Steel and Cast iron frames have robust features to protect against corrosion in severe conditions. ECP/XEX Chemical Processing motors provide an extra measure of weather and chemical protection in a NEMA Premium® energy efficient design. For the most extreme applications, where downtime is critical, Baldor•Reliance 841XL motors are ideal. These are premium efficient motors that exceed IEEE 841-2001 specifications. The chart below lists standard features (S) in Baldor Severe Duty motors.

Product Line - TEFC enclosures	ECP/XEX	841XL	Dirty Duty C.I. Frame	Dirty Duty Autophoretic
NEMA Frame sizes	143T - 449T	143T - 449T	143T - 254T	56C - 256TC
Electrical Features				
Super-E motor designs meet & exceed EISA Efficiency requirements per NEMA table 12-12	S	S	S	S
Motors meet & exceed EISA Efficiency requirements per NEMA table 12-11 (56 frame and C-face Footless designs)	-	-	S	S
NEMA Design B Torques as a minimum	S	S	S	S
1.15 Service factor – Continuous	S	S	S	S
Class F insulation with Class B rise	S	S	S	S
Phase insulation	S	S	S	S
200°C Inverter Spike Resistant Insulation System	S	S	S	S
Grounding terminal inside main conduit box	S	S	S	S
Grounding provision on frame outside of main conduit box	-	S	-	-
Seamless compression type lead terminals	-	S	-	-
Corona inception testing – meets NEMA Part 31.4.4.2	S	S	S	S
Single dip & bake with 100% solids epoxy	S	S	S	S
Documented final motor tests – ship with motor	-	S	-	-
Mechanical Features				
Steel Band Frame – cast iron endplates & conduit box, steel fan cover	-	-	-	S
Cast Iron frame – cast iron endplates, conduit box & fan cover	S	S	S	-
Oversized Conduit box rotatable in 90 degree increments	S	S	S	-
Oversized Conduit box rotatable in 180 degree increments	-	-	-	S
NPT Threaded lead inlet hole in conduit box	S	S	S	S
Neoprene conduit box lid gasket & lead separator gasket	S	S	S	S
Sealed joints between frame and endplates	S	S	S	S
Neoprene V-ring shaft seals – DE & ODE	S	-	S	-
Non-Contact, rotating labyrinth shaft seals – DE & ODE	-	-	-	S
Inpro/Seal® VBX(140-210) or VBXX(250 & up) bearing isolators – DE & ODE	-	S	-	-
Oversize bearings and retainer rings on both ends of motor.	S	S	S	S
Same size bearings on both ends of motors using ball bearing designs	S	S	-	-
Motor unfiltered vibration at rated voltage & frequency < 0.15 in/sec velocity	S	-	S	S
Motor unfiltered vibration at rated voltage & frequency < 0.08 in/sec velocity, (2,4 & 6 pole designs), < 0.06 in/sec velocity, (8 pole designs)	-	S	-	-
Test vibration on DE & ODE and document – ship with motor	-	S	-	-
.005" Foot flatness; Shaft runout < NEMA	-	S	-	-
Balance measurement pads on endplate	-	S	-	-
Sound power level < 90 dBA	-	S	-	-
Grease inlet fitting – DE & ODE	S	S	S	S
Grease outlet with screw-in plug	S	-	S	S
Grease outlet with automatic relief fitting	-	S	-	-
PLS lubrication system 140T-449T frames (360-449 Frames on ECP/XEX)	S	S	-	-
Non-metallic external cooling fan	S	S	S	S
Painted with 2-part epoxy primer and epoxy finish coat	S	S	S	-
Corrosion resistant Autophoretic coating	-	-	-	S
Embossed Stainless steel nameplate with NEMA data	S	S	S	S
Hardware – zinc plated	S	S	S	-
Stainless steel hardware, 416 Stainless steel shaft extension	-	-	-	S
IP56 Enclosure	-	S	-	S
IP55 Enclosure	S	-	S	-
Meets the intent of IEEE45 for Weather Protection	S	S	S	S
Warranty (shown for Super-E motor designs)	3 Years	5 years	3 Years	3 Years

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

s = standard

TEFC – Severe Duty Stock and Custom Hp/Frame Size Capabilities

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 213	213T	215T
5	184T	184T or 215	215T	254T
7.5	184T or 213T	213T	254T	256T
10	215T	215T	256T	284T
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 G5008*
200	447TS or 449T*	447T or 449T*	449T or G5008*	G5008*
250	449TS or G5008*	449T or G5008*	449TY or G5008*	G5010*
300	449TS or G5008*	449TY or G5008*	449TY or G5010*	G5010*
350	449TS or G5008*	449TY or G5008*	G5010*	G5012*
400	449TS or G5010*	G5008*	G5012*	G5012*
450	G5010*	G5010*	G5012*	G5012*
500	G5010*	G5010*	G5012*	G5012**
600	G5010*	G5012*	G5012**	G400J*
700	G400J*	G5012*	G400J*	G400J**
800	G400J*	G5012*	G400J**	G500S**
900	G400J***	G5012**	G500S**	G500S**
1000	G500M***	G400J*	G500S**	G500S**
1250	G500M***	G400J**	G500S**	G500M**
1500	G500M***	G500M**	G500M**	G500M**
1750	•	G500M**	G500M**	•
2000	•	G500M**	•	•
2250	•	G500M**	•	•

NOTES: Shaded area denotes Stock motors. See Performance Data for voltage and frame availability.

* 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.

• Rating available in other enclosures.

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

ABB Process Performance Motors

ABB Process Performance Motors are available in IEC frames 315 through 1000 in larger power ratings. Information is available at www.abb.com/motors&generators or you may contact your local Baldor•Reliance office for assistance.



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

Baldor•Reliance Super-E, ECP motors have XEX designs that meet the demanding application requirements typically found in harsh processing environments. Features include cast iron construction, Oversized and rotatable cast iron conduit box, V-Ring shaft seal, Stainless steel nameplate and Corrosion resistant hardware and epoxy finish. Super-E electrical designs have 1.15 service factors and a Class F Insulation system that is Inverter Ready and meets NEMA MG 1 Part 31.4.4.2.



TEFC – Totally Enclosed Fan Cooled Foot Mounted, 230/460 460 & 575 Volt, Three Phase, 1-400 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.	Notes
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.	DE	ODE				
230/460 Volts																			
1	0.75	3450	143T	ECP3580T	1.4	12.1	1.5	80.6	84	84	65	77	83	6205	6205	E	12.88	CD0005	-
1	0.75	1765	143T	ECP3581T	1.5	15	3	84.4	87	87.5	48	60	70	6205	6205	E	12.88	CD0005	-
1	0.75	1150	145T	ECP3582T	1.8	9.6	4.5	82.3	84	82.5	42	55	63	6205	6205	E	12.88	CD0005	-
1 1/2	1.1	3450	143T	ECP3583T	2	20.1	2.3	81.3	84.3	85.5	68	78	83	6205	6205	E	12.88	CD0005	-
1 1/2	1.1	1760	145T	ECP3584T	2.1	18	4.5	86.8	88.4	88.5	54	67	76	6205	6205	E	12.88	CD0005	-
1 1/2	1.1	1170	182T	ECP3667T	2.5	16.2	6.8	84.8	86.9	87.5	44	56	64	6206	6206	E	15.93	CD0005	-
2	1.5	3450	145T	ECP3586T	2.5	30	3	83.8	86.2	86.5	70	80	85	6205	6205	E	12.88	CD0005	-
2	1.5	1755	145T	ECP3587T	2.8	25	6	86.9	88.5	88.5	54	67	75	6205	6205	E	12.88	CD0005	-
2	1.5	1165	184T	ECP3664T	3.2	20.9	9	96.9	88.5	88.5	48	60	68	6206	6206	F	15.93	CD0005	-
3	2.2	3500	182T	ECP3660T	3.4	32	4.5	87.5	89.1	88.5	83	89	92	6206	6206	E1	15.93	CD0005	-
3	2.2	1760	182T	ECP3661T	4.2	33	9	88.9	90.4	90.2	54	66	74	6206	6206	E1	15.93	CD0005	-
3	2.2	1165	213T	ECP3764T	4.5	30.9	13.5	89.5	90.4	90.2	52	64	70	6307	6307	E1	19.5	CD0005	-
5	3.7	3490	184T	ECP3663T	5.7	64.8	7.5	89.4	90.8	90.2	76	85	90	6206	6205	E1	15.93	CD0005	-
5	3.7	1750	184T	ECP3665T	6.6	54	14.9	90.3	91.2	89.5	60	73	80	6206	6206	E	15.93	CD0005	-
5	3.7	1160	215T	ECP3768T	7.3	51.9	22.8	90.3	91	90.2	54	65	72	6307	6307	E1	19.5	CD0005	-
7 1/2	5.6	3510	213T	ECP3769T	8.6	61.1	11.1	91.3	92.1	91.7	77	85	88	6307	6206	F	19.32	CD0005	-
7 1/2	5.6	1770	213T	ECP3770T	9.5	68	22.1	91.6	92.3	91.7	65	76	81	6307	6307	F	19.5	CD0005	-
7 1/2	5.6	1180	254T	ECP2276T	10.7	69.7	32.4	89.7	91.5	91.7	52	63	70	6309	6309	E1	24.69	CD0005	-
10	7.5	3500	215T	ECP3771T	11	120	15	92.7	92.9	92.4	82	89	92	6307	6307	F	19.5	CD0005	-
10	7.5	1760	215T	ECP3774T	12.5	88.5	29.8	92.9	93.1	92.4	67	78	82	6307	6307	F	19.5	CD0005	-
10	7.5	1180	256T	ECP2332T	14.2	93	44.4	90.2	91.6	91.7	55	66	72	6309	6309	E1	24.69	CD0180	-
15	11	3525	254T	ECP2294T	17.2	128	22.2	90.8	91.9	91.7	78	86	88	6309	6309	E1	24.69	CD0180	-
15	11	1765	254T	ECP2333T	18.5	122.9	44.6	91.9	92.6	92.4	66	77	82	6309	6309	E1	24.69	CD0005	-
15	11	1180	284T	ECP4100T	19.7	130.1	66.7	91.9	93	93	59	70	77	6311	6311	E1	27.93	CD0180	-
20	15	3540	256T	ECP4106T	22	165	29.8	91.5	92.2	92.4	83	91	92	6309	6309	E1	24.69	CD0180	-
20	15	1765	256T	ECP2334T	24	175	59	92.8	93.1	93	69	80	84	6309	6309	E1	24.69	CD0005	-
20	15	1180	286T	ECP4102T	26	171.6	89	92.5	93.3	93	61	72	78	6311	6311	F	27.93	CD0180	-
25	19	3510	284TS	ECP4107T	27	176	37.3	93.4	93.4	92.4	90	93	91	6309	6309	E1	24.66	CD0180	-
25	19	1770	284T	ECP4103T	30	186	74.2	92.3	93.5	93.6	73	81	85	6311	6311	E1	27.93	CD0005	-
25	19	1180	324T	ECP4111T	32	198	111	92.8	93.5	93	65	75	79	6312	6312	E1	30.27	CD0180	-
30	22	3520	286TS	ECP4108T	33	215	44.5	93.2	93.6	93	83	88	90	6311	6311	F	26.56	CD0180	-
30	22	1770	286T	ECP4104T	36	246	89	93.8	94.4	94.1	66	75	83	6311	6311	E1	27.93	CD0005	-
30	22	1180	326T	ECP4117T	39	243	133	92.5	93.2	93	62	73	78	6312	6312	E1	30.27	CD0005	-
40	30	3540	324TS	ECP4109T	45	326	59.5	92.3	93.4	93.6	80	87	90	6312	6312	F	28.66	CD0180	-
40	30	1775	324T	ECP4110T	46	320	118	93.9	94.6	94.5	73	81	84	6312	6312	E1	30.27	CD0180	-
40	30	1190	364T	ECP4308T	49.4	290	177	93.6	94.3	94.1	69	77	81	6313	6313	F	33.44	416820-2	-
50	37	3540	326TS	ECP4114T	56	403	74.1	94	94.5	94.1	80	87	89	6312	6312	E1	28.66	CD0180	-
50	37	1775	326T	ECP4115T	57	392	149	94.4	94.9	94.5	73	82	85	6312	6312	E1	30.27	CD0180	-
50	37	1185	365T	ECP4312T	61.7	345	221	93.9	94.4	94.1	70	78	81	6313	6313	F	33.44	416820-2	-
60	45	3560	364TS	ECP4310T	65.1	398	88.5	95.3	95.5	95	88	91	91	6313	6313	F	31.31	416820-2	-
60	45	1780	364T	ECP4314T	68	430	177	95.2	95.3	95	79	85	87	6313	6313	F	33.44	416820-2	-
60	45	1185	404T	ECP4403T	69	425	265	94.9	95.2	95	79	84	86	6316	6316	F	38.31	416820-2	-
75	56	3555	365TS	ECP4313T	80.7	494	111	95.1	95.4	95	91	92	92	6313	6313	F	31.31	416820-2	-
75	56	1780	365T	ECP4316T	85.9	542	221	95.7	95.8	95.4	77	84	86	6313	6313	F	33.44	416820-2	-
75	56	1185	405T	ECP4404T	86.9	541	332	95	95.3	95	73	82	85	6316	6316	F	38.31	416820-2	-
100	75	3565	405TS	ECP4402T	110	695	147	94.6	95.1	95	86	89	90	6313	6313	F	35.31	416820-2	-
125	93	3570	444TS	ECP4412T	138	820	184	93.9	94.7	95	83	87	86	6313	6313	F	40.98	416820-2	-
125	93	3570	444TS	ECP4912T	138	820	184	93.9	94.7	95	83	87	86	6313	6313	F	40.98	416820-2	99

NOTES: Volt Code: E = 208-230/460V, 60Hz; E1 = 230/460V, 60Hz, usable at 208V; F = 230/460V, 60 Hz Shaded ratings are cast iron frames.
 99 = Has F3 lead outlet hole and an arm mounted conduit box for easy F1 or F2 lead location. See page 40 for Dimensions.
 See page 49 for Connection Diagrams. See page 37 for Dimensions.
 Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

**TEFC – Totally Enclosed Fan Cooled
Foot Mounted, 230/460, 460 & 575 Volt, Three Phase, 1-400 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			
460 Volts																		
1	0.75	3450	143T	ECP3580T-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	ENCP3580T-4	1.3	11.2	1.5	80.5	83.9	84	73	83	87	6205	6203	11.38	CD0006	60
1	0.75	1765	143T	ECP3581T-4	1.5	15	3	84.4	87	87.5	48	60	70	6205	6205	12.88	CD0006	-
1	0.75	1765	143T	ENCP3581T-4	1.5	15	3	83.6	86.7	87.5	48	60	70	6205	6203	11.36	CD0006	60
1	0.75	1150	145T	ECP3582T-4	1.8	9.6	4.5	82.3	84	82.5	42	55	63	6205	6205	12.88	CD0006	-
1	0.75	850	182T	ECP3687T-4	2	9.3	6.1	74.1	78.4	78.5	38	48	59	6206	6206	15.93	CD0006	-
1 1/2	1.1	3450	143T	ECP3583T-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	ECP3584T-4	2.1	18	4.5	86.5	88.3	88.5	54	67	76	6205	6205	12.88	CD0006	-
1 1/2	1.1	1170	182T	ECP3667T-4	2.5	16.2	6.8	85	87.1	87.5	44	56	65	6206	6206	15.93	CD0006	-
1 1/2	1.1	860	184T	ECP3668T-4	3.2	10.4	9.2	77.3	80.3	80	36	48	55	6206	6206	15.93	CD0006	-
2	1.5	3450	145T	ECP3586T-4	2.5	30	3	83.8	86.2	86.5	70	80	85	6205	6205	12.88	CD0006	-
2	1.5	1755	145T	ECP3587T-4	2.8	25	6	86.9	88.5	88.5	54	67	75	6205	6205	12.88	CD0006	-
2	1.5	1165	184T	ECP3664T-4	3.2	20.9	9	86.9	88.5	88.5	48	60	68	6206	6206	15.93	CD0006	-
2	1.5	865	213T	ECP3772T-4	3.8	18.3	12.1	82.3	85.4	85.5	38	48	56	6307	6307	19.5	CD0006	-
3	2.2	3500	182T	ECP3660T-4	3.4	34.5	4.5	87.5	89.1	88.5	83	89	92	6206	6206	15.93	CD0006	-
3	2.2	1760	182T	ECP3661T-4	4.1	31.9	9	89.2	90.4	90.2	56	67	75	6206	6206	15.93	CD0006	-
3	2.2	1165	213T	ECP3764T-4	4.5	31.5	13.5	88.4	89.8	89.5	53	64	70	6307	6307	19.5	CD0006	-
3	2.2	865	215T	ECP3775T-4	5.2	25.6	18.4	85.6	87	85.5	43	55	62	6307	6307	19.5	CD0006	-
5	3.7	3500	184T	ECP3663T-4	5.7	63.9	7.5	88.6	89.8	89.5	83	89	93	6206	6206	15.93	CD0006	-
5	3.7	1750	184T	ECP3665T-4	6.6	54	15	89.7	90.7	89.5	62	74	80	6206	6206	15.93	CD0006	-
5	3.7	1160	215T	ECP3768T-4	7.3	56.4	22.5	90.2	90.9	90.2	51	63	70	6307	6307	19.5	CD0006	-
5	3.7	880	254T	ECP2280T-4	8.4	49.7	30.1	87.8	89.8	87.5	48	59	66	6309	6309	24.69	CD0006	-
7 1/2	5.6	3525	213T	ECP3769T-4	8.6	86	11.2	90	91.4	91.7	79	87	90	6307	6307	19.5	CD0006	-
7 1/2	5.6	1770	213T	ECP3770T-4	9.5	68	22.1	91.6	92.3	91.7	65	76	81	6307	6307	19.5	CD0006	-
7 1/2	5.6	1180	254T	ECP2276T-4	10.7	70.1	33.3	90.6	91.8	91.7	53	65	71	6309	6309	24.69	CD0006	-
7 1/2	5.6	880	256T	ECP2401T-4	11.9	64.7	45.1	89.2	90.6	90.2	52	64	68	6309	6309	24.69	CD0006	-
10	7.5	3500	215T	ECP3771T-4	11	120	15	92.7	92.9	92.4	82	89	92	6307	6307	19.5	CD0006	-
10	7.5	1760	215T	ECP3774T-4	12.5	96.9	29.7	92.2	92.7	92.4	69	79	83	6307	6307	19.5	CD0006	-
10	7.5	1180	256T	ECP2332T-4	14.2	93	44.4	90.2	91.6	91.7	55	66	72	6309	6309	24.69	CD0006	-
10	7.5	880	284T	ECP2402T-4	14.4	71.5	59.6	90	90.9	90.2	53	66	72	6311	6311	27.93	CD0006	-
15	11	3525	254T	ECP2394T-4	17.2	128	22.2	90.8	91.9	91.7	78	86	88	6309	6309	24.69	CD0006	-
15	11	1765	254T	ECP2333T-4	18.5	122.9	44.6	91.9	92.6	92.4	66	77	82	6309	6309	24.69	CD0006	-
15	11	1180	284T	ECP4100T-4	19.8	130.1	66.7	91.9	93	93	59	70	77	6311	6311	27.93	CD0006	-
15	11	880	286T	ECP2395T-4	21.5	120	89.4	89.8	90.8	90.2	49	62	72	6311	6311	27.93	CD0006	-
20	15	3540	256T	ECP4106T-4	23	201	29.7	91.1	92.3	92.4	74	84	89	6309	6309	24.69	CD0006	-
20	15	1765	256T	ECP2334T-4	24	175	59	92.8	93.1	93	69	80	84	6309	6309	24.69	CD0006	-
20	15	1180	286T	ECP4102T-4	26	171.6	89	92.5	93.3	93	61	72	78	6311	6311	27.93	CD0006	-
20	15	880	324T	ECP4112T-4	28	160	119	89.4	90.7	91	59	68	74	6312	6312	30.27	CD0006	-
25	19	3530	284TS	ECP4107T-4	28	236	37.2	93	93.5	93	82	89	91	6309	6309	26.09	CD0006	-
25	19	1770	284T	ECP4103T-4	30	187.6	74.2	92.4	93.6	93.6	72	81	84	6311	6311	27.93	CD0006	-
25	19	1180	324T	ECP4111T-4	32	198	111	92.8	93.5	93	65	75	79	6312	6312	30.27	CD0006	-
30	22	3520	286TS	ECP4108T-4	33	215	44.5	93.2	93.6	93	83	88	90	6311	6311	26.56	CD0006	-
30	22	1770	286T	ECP4104T-4	36	246	89	93.8	94.4	94.1	66	75	83	6311	6311	27.93	CD0006	-
30	22	1180	326T	ECP4117T-4	39	243	133	92.5	93.2	93	62	73	78	6312	6312	30.27	CD0006	-
40	30	3540	324TS	ECP4109T-4	46	352	59.3	92.2	93.2	93	76	84	88	6312	6312	28.66	CD0006	-
40	30	1775	324T	ECP4110T-4	46	320	118	93.9	94.6	94.5	73	81	84	6312	6312	30.27	CD0006	-
40	30	1190	364T	ECP4308T-4	49.4	290	177	93.6	94.3	94.1	69	77	81	6313	6313	33.44	416820-36	-
50	37	3540	326TS	ECP4114T-4	56	403	74.1	93.7	94.4	94.1	80	87	89	6312	6312	28.66	CD0006	-
50	37	1775	326T	ECP4115T-4	57	392	149	94.4	94.9	94.5	73	82	85	6312	6312	30.27	CD0006	-
50	37	1185	365T	ECP4312T-4	61.7	345	221	93.9	94.4	94.1	70	78	81	6313	6313	33.44	416820-36	-
60	45	3560	364TS	ECP4310T-4	65.1	398	88.5	95.3	95.5	95	88	91	91	6313	6313	31.31	416820-36	-
60	45	1780	364T	ECP4314T-4	68	430	177	95.2	95.3	95	79	85	87	6313	6313	33.44	416820-36	-
60	45	1185	404T	ECP4403T-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 50 for Connection Diagrams. See page 37 for Dimensions.
 Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

**TEFC - Totally Enclosed Fan Cooled
Foot Mounted, 230/460, 460 & 575 Volt, Three Phase, 1-400 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			
460 Volts (continued)																		
75	56	3555	365TS	ECP4313T-4	80.7	494	111	95.1	95.4	95	91	92	92	6313	6313	31.31	416820-36	-
75	56	1780	365T	ECP4316T-4	85.9	542	221	95.7	95.8	95.4	77	84	86	6313	6313	33.44	416820-36	-
75	56	1185	405T	ECP4404T-4	86.9	541	332	95	95.3	95	73	82	85	6316	6316	38.31	416820-36	-
100	75	3565	405TS	ECP4402T-4	110	695	147	94.6	95.1	95	86	89	90	6313	6313	35.31	416820-36	-
100	75	1785	405T	ECP4400T-4	112	725	295	95.4	95.7	95.4	83	87	88	6316	6316	38.31	416820-36	-
100	75	1785	405TS	ECP4400TS-4	112	725	295	95.4	95.7	95.4	83	87	88	6316	6316	35.31	416820-36	-
100	75	1190	444T	ECP4409T-4	119	723	442	95	95.3	95	68	78	83	6318	6318	44.75	416820-36	-
100	75	1188	444T	ECP4409T-4E	115	725	442	94.7	95.2	95	77	84	86	6318	6318	44.62	416820-36	56
100	75	1190	444T	ECP4909T-4	119	723	442	95	95.3	95	68	78	83	6318	6318	44.75	416820-36	99
125	93	3570	444TS	ECP4412T-4	137	873	184	94.9	95.5	95	81	87	90	6313	6313	40.98	416820-36	-
125	93	3565	444TS	ECP4412T-4E	137	848	184	94.7	95.4	95.4	85	89	89	6313	6313	40.88	416820-36	56
125	93	3570	444TS	ECP4912T-4	137	873	184	94.9	95.5	95	81	87	90	6313	6313	40.98	416820-36	99
125	93	1785	444T	ECP4410T-4	144	892	368	95.5	95.8	95.4	73	82	85	6318	6318	44.75	416820-36	-
125	93	1785	444T	ECP4410T-4E	139	907	368	95.5	95.9	95.8	81	87	88	6318	6318	44.62	416820-36	56
125	93	1785	444T	ECP4910T-4	144	892	368	95.5	95.9	95.4	73	82	85	6318	6318	44.75	416820-36	99
125	93	1188	445T	ECP4411T-4	146	1022	552	94.9	95.4	95	68	80	84	6318	6318	44.75	416820-36	-
125	93	1190	445T	ECP4411T-4E	143	907	551	95.3	95.7	95.4	74	82	86	6318	6318	44.62	416820-36	56
125	93	1188	445T	ECP4911T-4	146	1022	552	95.3	95.7	95	74	82	84	6318	6318	44.75	416820-36	99
150	112	3570	445TS	ECP4413T-4	164	1081	221	94.7	95.3	95	82	88	90	6313	6313	40.98	416820-36	-
150	112	3575	445TS	ECP4413T-4E	164	980	220	95.6	96.2	96.2	84	88	89	6313	6313	40.88	416820-36	56
150	112	1785	445T	ECP4406T-4	169	1041	442	96	96.1	95.8	76	83	86	6318	6318	44.75	416820-36	-
150	112	1785	445T	ECP4406T-4E	165	1085	441	96.4	96.6	96.2	83	88	89	6318	6318	44.62	416820-36	56
150	112	1785	445T	ECP4906T-4	169	1041	442	96	96.1	95.8	76	83	86	6318	6318	44.75	416820-36	99
150	112	1190	447T	ECP44156T-4	170	1025	663	96.3	96.2	95.8	77	84	86	6318	6318	48.24	416820-36	-
150	112	1190	447T	ECP44156T-4E	174	1046	662	95.5	96	95.8	76	82	84	6318	6318	48.4	416820-36	56
150	112	1190	447T	ECP49156T-4	170	1025	663	96.3	96.2	95.8	77	84	86	6318	6318	48.24	416820-36	99
200	149	3570	447TS	ECP4416T-4	213	1426	294	96	96.3	96.2	84	89	91	6313	6313	44.48	416820-36	-
200	149	3570	447TS	ECP4916T-4	213	1426	294	96	96.3	96.2	84	89	91	6313	6313	44.48	416820-36	99
200	149	1785	447T	ECP4407T-4	223	1421	588	96.5	96.5	96.2	77	85	87	6318	6318	48.24	416820-36	-
200	149	1785	447T	ECP4407T-4E	221	1466	589	96	96.3	96.2	84	87	88	6318	6318	48.4	416820-36	56
200	149	1785	447TS	ECP4407TS-4	223	1421	588	96.5	96.5	96.2	77	85	87	6318	6318	44.48	416820-36	-
200	149	1785	447T	ECP4907T-4	223	1421	588	96.5	96.5	96.2	77	85	87	6318	6318	48.24	416820-36	99
200	149	1785	447TS	ECP4907TS-4	223	1421	588	96.5	96.5	96.2	77	85	87	6318	6318	48.24	416820-36	99
200	149	1190	449T	ECP44206T-4	225	1404	883	96.1	96.2	95.8	78	84	87	6318	6318	53.24	416820-36	-
200	149	1190	449T	ECP49206T-4	225	1404	883	96.1	96.2	95.8	78	84	87	6318	6318	53.24	416820-36	99
250	186	3570	449TS	ECP44252T-4	269	1806	367	95.9	96.3	95.8	84	89	90	6313	6313	49.48	416820-36	-
250	186	3570	449TS	ECP49252T-4	269	1806	367	95.9	96.3	95.8	84	89	90	6313	6313	49.48	416820-36	99
250	186	1785	449T	ECP4408T-4	276	1765	736	96.7	96.6	96.2	78	85	88	6318	6318	53.24	416820-36	-
250	186	1780	449T	ECP4408T-4E	272	1825	736	96.6	96.7	96.2	86	89	89	6318	6318	53.4	416820-36	56
250	186	1785	449T	ECP4908T-4	276	1765	736	96.7	96.6	96.2	78	85	88	6318	6318	53.24	416820-36	99
250	186	1188	449T	ECP44256T-4	283	1827	1104	96.3	96.5	96.2	74	82	86	6318	6318	53.24	416820-36	-
250	186	1188	449T	ECP49256T-4	283	1827	1104	96.3	96.5	96.2	74	82	86	6318	6318	53.24	416820-36	99
300	224	3570	449TS	ECP44302T-4	318	2149	441	96.3	96.5	96.2	85	89	91	6313	6313	49.48	416820-36	-
300	224	3570	449TS	ECP49302T-4	318	2149	441	96.3	96.5	96.2	85	89	91	6313	6313	49.48	416820-36	99
300	224	1785	449T	ECP44304T-4	334	2185	883	96.6	96.6	96.2	78	75	88	6318	6318	53.24	416820-36	-
300	224	1785	449T	ECP49304T-4	334	2185	883	96.6	96.6	96.2	78	75	88	6318	6318	53.24	416820-36	99
300	224	1185	L449T	ECP49306T-4	341	1936	1329	95.5	95.7	95.4	82	86	87	6222	6318	60.21	416820-36	99
350	261	3565	449TS	ECP44352T-4	370	2293	515	95.8	96.2	95.8	90	92	91	6313	6313	49.48	416820-36	-
350	261	3565	449TS	ECP49352T-4	370	2293	515	95.8	96.2	95.8	90	92	91	6313	6313	49.48	416820-36	99
350	261	1785	L449T	ECP49354T-4	384	2411	1031	96.6	96.6	96.2	84	88	89	6318	6318	60.21	416820-36	99
400	298	3570	449TS	ECP44402T-4	421	2690	588	96	96.3	96.2	88	91	92	6313	6313	49.48	416820-36	-
400	298	3570	449TS	ECP49402T-4	421	2690	588	96	96.3	96.2	88	91	92	6313	6313	49.48	416820-36	99
400	298	1785	L449T	ECP49404T-4	438	2880	1178	96.9	96.8	96.2	79	86	88	6222	6318	60.21	416820-36	64,99

NOTES: 56 = Single Frame mounting holes in 447 and 449 frame
 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 40 for Dimensions. See page 50 for Connection Diagrams. See page 37 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, 230/460, 460 & 575 Volt, Three Phase, 1-400 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			
460 Volt, Roller Bearing Designs																		
150	112	1200	447T	ECP44156TR-4	170	1025	663	96.3	96.2	95.8	77	84	86	NU222	6318	48.24	416820-36	5
150	112	1200	447T	ECP49156TR-4	170	1025	663	96.3	96.2	95.8	77	84	86	NU223	6318	48.24	416820-36	5,99
200	149	1800	447T	ECP4407TR-4	223	1421	588	96.5	96.5	96.2	77	85	87	NU222	6318	48.24	416820-36	5
200	149	1800	447T	ECP4407TR-5	223	1421	588	96.5	96.5	96.2	77	85	87	NU223	6318	48.24	416820-36	5,99
200	149	1200	449T	ECP44206TR-4	225	1404	883	96.1	96.2	95.8	78	84	87	NU222	6318	53.24	416820-36	5
200	149	1200	449T	ECP44206TR-5	225	1404	883	96.1	96.2	95.8	78	84	87	NU223	6318	53.24	416820-36	5,99
250	186	1800	449T	ECP4408TR-4	276	1765	736	96.7	96.6	96.2	78	85	88	NU222	6318	53.24	416820-36	5
250	186	1800	449T	ECP4408TR-5	276	1765	736	96.7	96.6	96.2	78	85	88	NU223	6318	53.24	416820-36	5,99
250	186	1200	449T	ECP44256TR-4	287	1942	1104	95.8	96	95.8	73	82	85	NU222	6318	53.24	416820-36	5
250	186	1200	449T	ECP44256TR-5	287	1942	1104	95.8	96	95.8	73	82	85	NU223	6318	53.24	416820-36	5,99
300	224	1800	449T	ECP44304TR-4	334	2185	883	96.6	96.6	96.2	78	85	88	NU222	6318	53.24	416820-36	5
300	224	1800	449T	ECP44304TR-5	334	2185	883	96.6	96.6	96.2	78	85	88	NU223	6318	53.24	416820-36	5,99
575 Volt, Ball Bearing Designs																		
1	0.75	3450	143T	ECP3580T-5	1.1	9.7	1.5	80.6	84	84	65	77	82	6205	6205	12.88	CD0006	
1	0.75	1765	143T	ECP3581T-5	1.2	12	3	83.6	86.5	87.5	48	60	70	6205	6205	12.88	CD0006	-
1 1/2	1.1	3500	145T	ECP3584T-5	1.7	14.3	4.5	86.5	88.2	88.5	54	67	76	6205	6205	12.88	CD0006	-
2	1.5	1755	145T	ECP3587T-5	2.3	19.6	6	86.8	88.1	88.5	55	67	76	6205	6205	12.88	CD0006	-
3	2.2	3500	182T	ECP3660T-5	2.7	27.6	4.5	87.5	89.1	88.5	83	89	92	6206	6206	15.93	CD0006	
3	2.2	1760	182T	ECP3661T-5	3.4	27	9	88.8	90.2	90.2	54	66	73	6206	6206	15.93	CD0006	-
3	2.2	1165	213T	ECP3764T-5	3.6	25.2	13.5	88.8	90.8	90.2	52	63	69	6307	6307	19.5	CD0006	-
5	3.7	3500	184T	ECP3663T-5	4.6	45	7.5	89	90.1	89.5	80	88	90	6206	6206	15.93	CD0006	
5	3.7	1750	184T	ECP3665T-5	5.3	44	15	89.7	90.7	89.5	62	74	80	6206	6206	15.93	CD0006	-
5	3.7	1160	215T	ECP3768T-5	5.8	43.9	22.5	90.3	90.7	90.2	53	64	72	6307	6307	19.5	CD0006	-
7 1/2	5.6	3510	213T	ECP3769T-5	6.9	49.2	11.1	91.2	92.2	91.7	77	85	88	6307	6307	19.5	CD0006	
7 1/2	5.6	1770	213T	ECP3770T-5	7.5	53.9	22.1	91.2	91.8	91.7	65	76	81	6307	6307	19.5	CD0006	-
7 1/2	5.6	1180	254T	ECP2276T-5	8.7	58	33.3	90.6	91.8	91.7	53	61	71	6309	6309	24.69	CD0006	-
10	7.5	3500	215T	ECP3771T-5	8.9	69.3	14.9	92.4	92.8	92.4	80	88	90	6307	6307	19.5	CD0006	
10	7.5	1760	215T	ECP3774T-5	10	70.9	29.7	92.9	92.9	92.4	67	78	83	6307	6307	19.5	CD0006	-
10	7.5	1180	256T	ECP2332T-5	11.5	76.9	44.4	90.2	91.6	91.7	54	65	72	6309	6309	24.69	CD0006	-
15	11	3525	254T	ECP2394T-5	13.8	102	22.2	90.8	91.9	91.7	78	86	88	6309	6309	24.78	CD0006	
15	11	1765	254T	ECP2333T-5	14.8	99	44.5	91.3	92.5	92.4	67	78	82	6309	6309	24.69	CD0006	-
15	11	1180	284T	ECP4100T-5	15.9	105	66.6	91.6	93.2	93	58	69	76	6311	6311	27.93	CD0006	-
20	15	3510	256T	ECP4106T-5	17.8	123	29.7	91.9	92.4	91.7	84	89	91	6309	6309	24.78	CD0006	
20	15	1765	256T	ECP2334T-5	19.2	140	59	92.8	93.1	93	69	80	84	6309	6309	24.69	CD0006	-
20	15	1180	286T	ECP4102T-5	20.6	135	89	92.1	93.2	93	62	73	78	6311	6311	27.93	CD0006	-
25	19	1770	284T	ECP4103T-5	23.9	153	74.1	92.4	93.5	93.6	71	80	84	6311	6311	27.93	CD0006	-
25	19	1180	324T	ECP4111T-5	25.7	162	111	91.9	92.9	93	64	74	79	6312	6312	30.27	CD0006	-
30	22	1770	286T	ECP4104T-5	29	197	89	93.8	94.4	94.1	66	75	83	6311	6311	27.93	CD0006	-
40	30	1775	324T	ECP4110T-5	36.8	259	118	93.9	94.6	94.5	70	79	86	6312	6312	30.27	CD0006	-
50	37	1775	326T	ECP4115T-5	45.6	318	149	94.4	94.9	94.5	81	80	88	6312	6312	30.27	CD0006	-
60	45	1780	364T	ECP4314T-5	54.4	344	177	95.2	95.3	95	79	85	87	6313	6313	33.44	416820-36	-
75	56	1780	365T	ECP4316T-5	68.7	434	221	95.7	95.8	95.4	77	84	86	6313	6313	33.44	416820-36	-
100	75	1785	405T	ECP4400T-5	89.6	580	295	95.4	95.7	95.4	83	87	88	6316	6316	38.03	416820-36	-
125	93	1785	444T	ECP4410T-5	115	713	368	95.5	95.8	95.4	73	82	85	6318	6318	44.75	416820-36	-
125	93	1780	444T	ECP4410T-5E	112	673	369	95.4	95.7	95.4	78	85	87	6318	6318	44.62	416820-36	56
125	93	1785	444T	ECP4910T-5	115	713	368	95.5	95.8	95.4	73	82	85	6318	6318	44.75	416820-36	99
150	112	1785	445T	ECP4406T-5	136	833	442	96	96.1	95.8	76	83	86	6318	6318	44.75	416820-36	-
150	112	1785	445T	ECP4406T-5E	135	868	441	96.4	96.6	96.2	83	88	89	6318	6318	44.62	416820-36	56
150	112	1785	445T	ECP4906T-5	136	833	442	96	96.1	95.8	76	83	86	6318	6318	44.75	416820-36	99
200	149	1785	447T	ECP4407T-5	178	1137	588	96.5	96.5	96.2	77	85	87	6318	6318	48.24	416820-36	-
200	149	1785	447T	ECP4407T-5	178	1137	588	96.5	96.5	96.2	77	85	87	6318	6318	48.24	416820-36	99

NOTES: 5 = Belted Duty only, Roller Bearing
 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 40 for Dimensions. See page 50 for Connection Diagrams. See page 37 for Dimensions.
 Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Shaded ratings are cast iron frames.

Severe Duty Super-E® ECP/XEX C-Face Foot Mounted



TEFC - Totally Enclosed Fan Cooled 230/460 & 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			
1	0.75	1765	143TC	CECP3581T	1.5	15	3	84.4	87	87.5	48	60	70	6205	6205	E	13.38	CD0005
1 1/2	1.1	1760	145TC	CECP3584T	2.1	18	4.5	86.8	88.4	88.5	54	67	76	6205	6205	E	13.38	CD0005
2	1.5	1755	145TC	CECP3587T	2.8	25	6	86.9	88.5	88.5	54	67	75	6205	6205	E	13.38	CD0005
3	2.2	3500	182TC	CECP3660T	3.4	32	4.5	87.5	89.1	88.5	83	89	92	6206	6206	E1	16.68	CD0005
3	2.2	1755	182TC	CECP3661T	4.1	29.8	9.1	88.9	90.1	89.5	58	70	77	6206	6206	E	16.68	CD0005
5	3.7	3490	184TC	CECP3663T	5.7	64.8	7.5	89.4	90.8	90.2	76	85	90	6206	6206	E1	16.68	CD0005
5	3.7	1750	184TC	CECP3665T	6.6	54	14.9	90.3	91.2	89.5	60	73	80	6206	6206	E	16.68	CD0005
7 1/2	5.6	3525	213TC	CECP3769T	8.6	75	11.2	90	91.4	91.7	79	87	90	6307	6307	F	20.24	CD0005
7 1/2	5.6	1770	213TC	CECP3770T	9.5	68	22.1	91.6	92.3	91.7	65	76	81	6307	6307	F	20.24	CD0005
10	7.5	3500	215TC	CECP3771T	11	120	15	92.7	92.9	92.4	82	89	92	6307	6307	E1	20.24	CD0005
10	7.5	1760	215TC	CECP3774T	12.5	88.5	29.8	92.9	93.1	92.4	67	78	82	6307	6307	F	20.24	CD0005
15	11.2	3525	254TC	CECP2294T	17.2	128	22.2	90.8	91.9	91.7	78	86	88	6309	6309	E1	25.19	CD0180
15	11.2	1765	254TC	CECP2333T	18.5	122.9	44.6	91.9	92.6	92.4	66	77	82	6309	6309	E1	25.57	CD0005
15	11.2	1765	254TC	CECP2333T-4	18.5	122.9	44.6	91.9	92.6	92.4	66	77	82	6309	6309	G	25.19	CD0006
20	14.9	3540	256TC	CECP4106T	22	165	29.8	91.5	92.2	92.4	83	91	92	6309	6309	E1	25.19	CD0180
20	14.9	1765	256TC	CECP2334T	24	175	59	92.8	93.1	93	69	80	84	6309	6309	E1	25.57	CD0005
20	14.9	1765	256TC	CECP2334T-4	24	175	59	92.8	93.1	93	69	80	84	6309	6309	G	25.19	CD0006
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 49 for Connection Diagrams. See page 38 for Dimensions.

Efficiencies shown are nominal. Data subject to change without notice.

Contact Baldor for certified data.

Shaded ratings are cast iron frames.

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



**TEFC - Totally Enclosed Fan Cooled
230/460 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 49 for Connection Diagrams. See page 39 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® 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 VBX (250 & up) 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			
460 Volts																		
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 50 for Connection Diagrams. See page 35 for Dimensions.
 Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

TEFC, 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			
460 Volts (continued)																		
75	56	3555	365TS	ECP84313T-4	80.7	494	111	95.1	95.4	95	91	92	92	6313	6313	31.31	416820-36	-
75	56	1780	365T	ECP84316T-4	85.9	542	221	95.7	95.8	95.4	77	84	86	6313	6313	33.44	416820-36	-
75	56	1185	405T	ECP84404T-4	86.9	541	332	95	95.3	95	73	82	85	6316	6316	38.31	416820-36	-
100	75	3565	405TS	ECP84402T-4	110	695	147	94.6	95.1	95	86	89	90	6313	6313	35.31	416820-36	-
100	75	1785	405T	ECP84400T-4	112	725	295	95.4	95.7	95.4	83	87	88	6316	6316	38.31	416820-36	-
100	75	1190	444T	ECP84409T-4	119	723	442	95	95.3	95	68	78	82	6318	6318	44.75	416820-36	-
100	75	1188	444T	ECP84409T-4E	115	725	442	94.7	95.2	95	77	84	86	6318	6318	44.62	416820-36	56
100	75	1190	444T	ECP84909T-4	119	723	442	95	95.3	95	68	78	82	6318	6318	44.75	416820-36	99
125	93	3570	444TS	ECP84412T-4	137	848	184	95.1	95.6	95	85	89	89	6313	6313	40.98	416820-36	-
125	93	3565	444TS	ECP84412T-4E	137	848	184	95.1	95.6	95.4	85	89	89	6313	6313	40.88	416820-36	56
125	93	3570	444TS	ECP84912T-4	137	848	184	95.1	95.6	95	85	89	89	6313	6313	40.98	416820-36	99
125	93	1785	444T	ECP84410T-4	144	907	368	95.5	95.9	95.4	81	87	88	6318	6318	44.75	416820-36	-
125	93	1785	444T	ECP84410T-4E	139	907	368	95.5	95.9	95.8	81	87	88	6318	6318	44.62	416820-36	56
125	93	1785	444T	ECP84910T-4	144	907	368	95.5	95.9	95.4	81	87	88	6318	6318	44.75	416820-36	99
125	93	1188	445T	ECP84411T-4	146	1022	552	94.9	95.4	95	68	78	84	6318	6318	44.75	416820-36	-
125	93	1190	445T	ECP84411T-4E	143	907	551	95.3	95.7	95.4	74	82	86	6318	6318	44.62	416820-36	56
125	93	1188	445T	ECP84911T-4	146	1022	552	94.9	95.4	95	68	78	84	6318	6318	44.75	416820-36	99
150	112	3570	445TS	ECP84413T-4	164	1081	221	94.7	95.3	95	82	88	90	6313	6313	40.98	416820-36	-
150	112	3575	445TS	ECP84413T-4E	164	985	220	95.9	96.4	96.2	84	89	89	6313	6313	40.88	416820-36	56
150	112	3570	445TS	ECP84913T-4	164	1081	221	94.7	95.3	95	82	88	90	6313	6313	40.98	416820-36	99
150	112	1785	445T	ECP84406T-4	169	1041	442	96	96.1	95.8	76	83	86	6318	6318	44.75	416820-36	-
150	112	1785	445T	ECP84406T-4E	165	1085	441	96.4	96.6	96.2	83	88	88	6318	6318	44.62	416820-36	56
150	112	1785	445T	ECP84906T-4	169	1041	442	96	96.1	95.8	76	83	86	6318	6318	44.75	416820-36	99
150	112	1190	447T	ECP844156T-4	170	1025	663	96.3	96.2	95.8	77	84	86	6318	6318	48.24	416820-36	-
150	112	1190	447T	ECP844156TR-4	170	1025	663	96.3	96.2	95.8	77	84	86	NU222	6318	48.24	416820-36	5
150	112	1190	447T	ECP849156T-4	170	1025	663	96.3	96.2	95.8	77	84	86	6318	6318	48.24	416820-36	99
150	112	1190	447T	ECP849156TR-4	170	1025	663	96.3	96.2	95.8	77	84	86	NU222	6318	48.24	416820-36	5,99
200	149	3570	447TS	ECP84416T-4	213	1426	294	96	96.3	96.2	84	89	91	6313	6313	43.92	416820-36	-
200	149	3570	447TS	ECP84916T-4	213	1426	294	96	96.3	96.2	84	89	91	6313	6313	43.92	416820-36	99
200	149	1785	447T	ECP84407T-4	223	1421	588	96.5	96.5	96.2	77	85	87	6318	6318	48.24	416820-36	-
200	149	1785	447T	ECP84407TR-4	223	1421	588	96.5	96.5	96.2	77	85	87	NU222	6318	48.24	416820-36	5
200	149	1785	447T	ECP84907T-4	223	1421	588	96.5	96.5	96.2	77	85	87	6318	6318	48.24	416820-36	99
200	149	1785	447T	ECP84907TR-4	223	1421	588	96.5	96.5	96.2	77	85	87	NU222	6318	48.24	416820-36	5,99
200	149	1190	449T	ECP844206T-4	225	1404	883	96.1	96.2	95.8	78	84	87	6318	6318	53.24	416820-36	-
200	149	1190	449T	ECP844206TR-4	225	1404	883	96.1	96.2	95.8	78	84	87	NU222	6318	53.24	416820-36	5
200	149	1190	449T	ECP849206T-4	225	1404	883	96.1	96.2	95.8	78	84	87	6318	6318	53.24	416820-36	99
200	149	1190	449T	ECP849206TR-4	225	1404	883	96.1	96.2	95.8	78	84	87	NU222	6318	53.24	416820-36	5,99
250	186	3570	449TS	ECP844252T-4	266	1767	367	96.4	96.6	96.2	86	90	91	6313	6313	49.48	416820-36	-
250	186	3570	449TS	ECP849252T-4	266	1767	367	96.4	96.6	96.2	86	90	91	6313	6313	49.48	416820-36	99
250	186	1785	449T	ECP84408T-4	276	1765	736	96.7	96.6	96.2	78	85	88	6318	6318	53.24	416820-36	-
250	186	1785	449T	ECP84408TR-4	276	1765	736	96.7	96.6	96.2	78	85	88	NU222	6318	53.24	416820-36	5
250	186	1785	449T	ECP84908T-4	276	1765	736	96.7	96.6	96.2	78	85	88	6318	6318	53.24	416820-36	99
250	186	1785	449T	ECP84908TR-4	276	1765	736	96.7	96.6	96.2	78	85	88	NU222	6318	53.24	416820-36	5,99
250	186	1190	449T	ECP844256T-4	287	1942	1104	95.8	96	95.8	73	82	85	6318	6318	53.24	416820-36	-
250	186	1190	449T	ECP849256T-4	287	1942	1104	95.8	96	95.8	73	82	85	6318	6318	53.24	416820-36	99
575 Volts																		
1	0.75	3450	143T	ECP83580T-5	1.1	9.7	1.5	80.6	84	84	65	77	83	6205	6205	12.88	CD0006	-
1	0.75	1765	143T	ECP83581T-5	1.2	11	3	83.6	86.5	87.5	48	60	70	6205	6205	12.87	CD0006	-
1	0.75	1150	145T	ECP83582T-5	1.4	7.7	4.5	82.3	84.1	82.5	44	56	62	6205	6205	12.88	CD0006	-
1 1/2	1.1	3450	143T	ECP83583T-5	1.6	15.8	2.3	81.3	84.3	85.5	68	78	83	6205	6205	12.88	CD0006	-
1 1/2	1.1	1760	145T	ECP83584T-5	1.7	14.3	4.5	86.5	88.2	88.5	54	67	76	6205	6205	12.87	CD0006	-
1 1/2	1.1	1170	182T	ECP83667T-5	2	12.9	6.8	84.8	86.9	87.5	45	56	65	6206	6206	15.93	CD0006	-
2	1.5	3450	145T	ECP83586T-5	1.9	19.6	3	84.4	86.4	86.5	80	87	91	6205	6205	12.88	CD0006	-
2	1.5	1755	145T	ECP83587T-5	2.3	19.6	6	86.8	88.1	88.5	55	67	76	6205	6205	12.87	CD0006	-
2	1.5	1165	184T	ECP83664T-5	2.5	16.7	9	87.2	88.5	88.5	48	60	68	6206	6206	15.93	CD0006	-
3	2.2	3450	182T	ECP83660T-5	2.7	25.7	4.5	88.6	89.1	88.5	86	92	94	6206	6206	15.93	CD0006	-
3	2.2	1755	182T	ECP83661T-5	3.3	23.8	9.1	88.4	89.8	89.5	59	71	77	6206	6206	15.93	CD0006	-
3	2.2	1165	213T	ECP83764T-5	3.6	25.9	13.5	88.2	89.3	89.5	52	63	70	6307	6206	19.32	CD0006	-
5	3.7	3450	184T	ECP83663T-5	4.5	38.6	7.6	90.5	90.7	89.5	86	91	94	6206	6206	15.93	CD0006	-
5	3.7	1750	182T	ECP83665T-5	5.3	44	15	89.7	90.7	89.5	62	74	80	6206	6206	15.93	CD0006	-
5	3.7	1160	215T	ECP83768T-5	5.7	36.3	22.4	89.9	90.5	89.5	57	67	73	6307	6206	19.32	CD0006	-

NOTES: 5 = Belted Duty only, Roller Bearing; 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 40 for Dimensions. See page 50 for Connection Diagrams. See page 35 for Dimensions. Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

TEFC, Foot Mounted, 460 & 575 Volts, Three Phase, 1 - 250 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 a sub-section for 575 Volts (continued).

NOTES: 5 = Belted Duty only, Roller Bearing
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 40 for Dimensions. See page 50 for Connection Diagrams. See page 35 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 Motors



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			
460 Volts																		
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	-
575 Volts																		
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 50 for Connection Diagrams. See page 36 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® NEMA Premium® Efficient Motors

C-Face Footless Motors



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	VENCP83580T-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	VENCP83581T-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	VECP83583T-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	VECP83584T-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	VECP83586T-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	VECP83587T-4	2.8	25	6	86.9	88.5	88.5	54	67	75	6205	6205	14.56	CD0006	-
3	2.2	3450	182TC	VECP83660T-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	VECP83661T-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	VECP83663T-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	VECP83665T-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	VECP83769T-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	VECP83770T-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	VECP83771T-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	VECP83774T-4	12.2	81	29.8	92.6	92.7	91.7	71	80	83	6307	6206	20.06	CD0006	-
15	11	3510	254TC	VECP82394T-4	17	116	22.2	91.5	92.2	91.7	82	88	91	6309	6309	25.19	CD0006	-
15	11	1765	254TC	VECP82333T-4	17.6	115	44.7	92.9	93.3	92.4	74	83	86	6309	6309	25.19	CD0006	-
20	15	3510	256TC	VECP84106T-4	22	142	29.6	92.7	92.7	91.7	84	89	91	6309	6309	25.19	CD0006	-
20	15	1765	256TC	VECP82334T-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);
See page 50 for Connection Diagrams. See page 36 for Dimensions.
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Shaded ratings are cast iron frames.

661XL Super-E[®] NEMA Premium[®] Efficient Motors



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



661XL motors 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[®] 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 50 for Connection Diagrams. See page 35 for Dimensions.
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Shaded ratings are cast iron frames.

Quarry Duty Motors

Baldor•Reliance Quarry Duty motors are designed for Conveyors, gear reducers and other applications requiring NEMA Design C torques. Motor construction includes heavy-gauge steel and cast-iron frames, ball bearings and gasketed conduit boxes. Electrical designs include Class F insulation. Class B rise, 1.15 service factor and low-loss electrical grade lamination steel.



TEFC - Totally Enclosed Fan Cooled 230/460 Volts, Three Phase, 2 - 75 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			
Foot Mounted																		
2	1.5	1750	145T	M3558T-9	3.1	23.8	5.96	80.9	83.6	84	50	63	72	6205	6203	E1	13.31	CD0005
3	2.2	1750	182T	M3611T-9	4.5	28.4	9.04	85.4	87.4	87.5	52	65	73	6206	6205	E	16.54	CD0005
5	3.7	1750	184T	M3615T-9	7.1	44.7	15	87.2	88.5	87.5	55	67	75	6206	6205	E	18.05	CD0005
7.5	5.6	1765	213T	M3710T-9	10.3	67.5	22.2	89.5	89.7	89.5	56	69	76	6307	6206	E1	17.89	CD0005
10	7.5	1765	215T	M3714T-9	13.9	85.8	29.7	87.9	89.7	89.5	57	69	75	6307	6206	F	19.01	CD0180
15	11	1760	254T	M2333T-9	18.7	103	44.5	90.7	91.5	91	68	77	80	6309	6208	E	23.28	CD0005
20	15	1755	256T	M2334T-9	25.5	140	59.5	90.1	91.2	91	66	77	81	6309	6208	E	23.28	CD0005
25	19	1770	284T	M4103T-9	29	185	74.2	91.9	93	92.4	74	82	85	6311	6309	E	27.76	CD0005
30	22	1770	286T	M4104T-9	35	233	89.4	92.5	93.5	92.4	76	85	86	6311	6309	E	27.76	CD0005
40	30	1770	324T	M4110T-9	47	282	118	92.7	93.3	93	76	83	86	6312	6311	E	30.28	CD0180
50	37	1770	326T	M4115T-9	59	344	148	92.7	93.3	93	74	82	85	6312	6311	E	30.28	CD0180
60	45	1775	364T	M4314T-9	70.2	432	177	94.2	94.5	94.1	73	81	85	6313	6313	F	33.44	416820-2
75	56	1775	365T	M4316T-9	87.9	542	222	94.5	94.9	94.5	72	81	85	6313	6313	F	33.44	416820-2
C-Face, Footless																		
3	2.2	1755	182TC	VM3661T-9	4.4	28	8.89	85.8	87.8	87.5	52	64	72	6206	6205	E	15.98	CD0005

NOTES: Volt Code: E = 208-230/460V, 60Hz; E1 = 230/460V, 60Hz, usable at 208V; F = 230/460V, 60 Hz
See page 49 for Connection Diagrams. Contact Baldor for dimensional drawings.
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Shaded ratings are cast iron frames.

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 motors have Class F insulation, 1.15 service factor. The NEMA Design A electrical design provides high torque performance that 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 - 350 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
250	186	1785	447T	CR4408TR-4	284	2109	736	94.7	95.4	95.4	78	85	86	NU222	6318	48.4	416820-36	56
250	186	1188	449T	CR44256TR-4	295	2250	1105	94.9	95.5	95.4	71	80	83	NU222	6318	53.24	416820-36	-
250	186	1188	449T	CR49256TR-4	295	2250	1105	94.9	95.5	95.4	71	80	83	NU222	6318	53.24	416820-36	99
300	224	1785	449T	CR44304TR-4	353	2617	882	94.6	95.5	95.4	72	80	83	NU222	6318	53.4	416820-36	56
300	224	1190	L449T	CR49306TR-4	371	2634	1320	95.6	96.2	95.8	64	74	79	NU222	6318	60.21	416820-36	99
350	261	1785	449T	CR44354TR-4	404	2961	1029	95.1	95.9	95.8	75	82	84	NU222	6318	53.4	416820-36	56

NOTES: 56 = Single frame mounting holes in 447 & 449 Frame sizes
 99 = Has F3 lead outlet hole and an arm mounted conduit box for easy F1 or F2 lead location. See page 40 for Dimensions. See page 50 for Connection Diagrams. See page 41 for Dimensions.
 Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

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. All ratings have a Class F insulation system, 1.15 service factor and 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		Volt Code	"C" Dim.	Conn. Diag. No.	Notes
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.	DE	ODE				
Foot Mounted, 230/460 Volt																			
1/2	0.37	1725	56	M8001	1	6.5	1.5	66.4	72.5	74	43	55	63	6203	6203	E1	11.35	CD0005	12
3/4	0.56	1725	56	M8002	1.5	10	2.3	69.7	74.7	75.5	42	55	60	6203	6203	E1	11.35	CD0005	12
1	0.75	1725	56	M8003	1.7	13	3	75.5	78.3	78.5	47	60	71	6203	6203	E	12.85	CD0005	-
1	0.75	1760	143T	EM8003T	1.5	12.1	2.97	82.1	84.8	85.5	49	62	71	6205	6203	E	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	E	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	E	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	E	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	E	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	E	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	E	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	E	23.25	CD0005	-
C-Face Foot Mounted, 230/460 Volt																			
1/2	0.37	3450	56C	CM8537	1	6	0.75	56.3	64	68	44	56	63	6203	6203	E1	11.34	CD0005	12
1/2	0.37	1725	56C	CM8001	1	6.5	1.5	66.4	72.5	74	43	55	63	6203	6203	E1	11.34	CD0005	12
1/2	0.37	1140	56C	CM8539	1.2	5	2.3	63	67	72	34	45	55	6203	6203	E1	11.34	CD0005	12
3/4	0.56	1725	56C	CM8002	1.5	10	2.3	69.7	74.7	75.5	42	55	60	6203	6203	F	11.34	CD0005	12
3/4	0.56	1140	56C	CM8543	1.5	7.4	3.4	72	76	77	40	51	59	6203	6203	E	12.84	CD0005	-
1	0.75	1725	56C	CM8003	1.7	13	3	75.5	78.3	78.5	47	60	71	6203	6203	E	12.84	CD0005	-
1	0.75	1155	56C	CM8556	1.9	10.3	4.5	73.7	77.7	78.5	42	54	63	6205	6203	E	12.24	CD0005	-
1 1/2	1.1	1735	56C	CM8004	2.3	17.5	4.5	77.3	80.9	81.5	51	65	74	6205	6203	E	12.24	CD0005	-
C-Face Footless, 230/460 Volt																			
1/2	0.37	3450	56C	VM8537	1	6	0.75	56.3	64	68	44	56	63	6203	6203	E1	11.35	CD0005	12
1/2	0.37	1725	56C	VM8001	1	6.5	1.5	66.4	72.5	74	43	55	63	6203	6203	E1	11.35	CD0005	12
3/4	0.56	3450	56C	VM8541	1.3	7.6	1.2	70.6	73.6	74	58	67	73	6203	6203	F	11.35	CD0005	12
3/4	0.56	1725	56C	VM8002	1.5	10	2.3	69.7	74.7	75.5	42	55	60	6203	6203	E1	11.35	CD0005	12
1	0.75	3450	56C	VM8012	1.8	11	1.5	72.1	76.8	75.5	53	68	71	6203	6203	E1	11.35	CD0005	12
1	0.75	1725	56C	VM8003	1.7	13	3	75.5	78.3	78.5	47	60	71	6203	6203	E	12.85	CD0005	-
1	0.75	1750	143TC	VM8003T	1.6	13.2	3	77.9	81.3	82.5	50	63	73	6205	6203	E	13.25	CD0005	-
1 1/2	1.1	3450	56C	VM8550	2.1	16.4	2.3	80.9	82.9	82.5	68	77	88	6205	6203	E	12.24	CD0005	-
1 1/2	1.1	1735	56C	VM8004	2.3	17.5	4.5	77.3	80.9	81.5	51	65	74	6205	6203	E	12.24	CD0005	-
1 1/2	1.1	1755	145TC	VM8004T	2.4	19.3	4.4	80.1	83.3	84	47	60	70	6205	6203	E	13.25	CD0005	-
2	1.5	3450	56C	VM8016	2.7	18	3	76.9	78.5	78.5	81	87	93	6205	6203	E	12.69	CD0005	-
2	1.5	3450	145TC	VM8016T	3	24.3	3	81.2	83.8	84	73	80	88	6205	6203	E	13.25	CD0005	-
2	1.5	1740	56C	VM8005	3	23.5	6	78.7	82	82.5	52	66	75	6205	6203	E	12.69	CD0005	-
2	1.5	1750	145TC	VM8005T	3.1	23.5	6	80.6	83.7	84	51	65	73	6205	6203	E	13.25	CD0005	-
3	2.2	3450	145TC	VM8559T	4	37.5	4.5	82.8	85.1	85.5	78	86	89	6205	6203	E	13.25	CD0005	-
3	2.2	1750	182TC	VM8006T	4	32.4	8.9	86.1	87.8	87.5	59	71	78	6206	6205	E	15.24	CD0005	-
5	3.7	1750	184TC	VM8007T	7	46.6	15	86.4	88.5	87.5	58	70	77	6206	6205	E	16.69	CD0005	8
7 1/2	5.6	1765	213TC	VM8008T	10	74.3	22.2	87.6	89.3	89.5	57	69	76	6307	6206	E	20.06	CD0005	35
10	7.5	1760	215TC	VM8024T	13	88.4	30	89.2	90	89.5	62	74	80	6307	6206	E	20.06	CD0005	8
C-Face Footless, 575 Volt																			
1/2	0.37	1725	56C	VM8001-5	0.8	5.2	1.5	66.4	72.5	74	43	55	63	6203	6203	H	11.35	CD0006	12
3/4	0.56	1725	56C	VM8002-5	1.2	8	2.3	69.7	74.7	75.5	42	55	60	6203	6203	H	11.35	CD0006	12
1	0.75	1760	143TC	VM8003T-5	1.2	9.66	2.97	81.9	84.8	85.5	49	62	71	6205	6203	H	13.25	CD0006	-
1	0.75	1750	143TC	VM8003T-5	1.2	10.5	3	77.9	81.5	82.5	51	63	73	6205	6203	H	13.25	CD0006	-
1 1/2	1.1	1765	145TC	VM8004T-5	1.8	16.5	4.5	83.2	85.8	86.5	50	62	71	6205	6203	H	13.25	CD0006	-
1 1/2	1.1	1755	145TC	VM8004T-5	1.9	15.9	4.4	80.4	83.5	84	47	60	72	6205	6203	H	13.25	CD0005	-
2	1.5	1750	145TC	VM8005T-5	2.3	20	5.95	85.2	87	86.5	53	66	74	6205	6203	H	13.25	CD0006	-
2	1.5	1750	145TC	VM8005T-5	2.5	18.8	6	80.5	83.5	84	51	65	73	6205	6203	H	13.25	CD0006	-

NOTES: Volt Code: E = 208-230/460V, 60Hz; E1 = 230/460V, 60Hz, usable at 208V; F = 230/460, 60Hz; H= 575V, 60 Hz Shaded ratings are cast iron frames.
8= Class H Insulation; **12** = 1.25 Service Factor; **35** = NEMA Design A
 See pages 49 for Connection Diagrams. See page 42 for Dimensions.
 Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Dirty Duty® Autophoretic Motors



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. All motors have Class F insulation and a 1.15 service factor.



TENV - Totally Enclosed Non-Ventilated; TEFC - Totally Enclosed Fan Cooled 208-230/460 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.	Notes
						Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	FL	DE	ODE				
C-Face, Foot Mounted																				
1/2	0.37	1740	56C	TENV	CWAM3538	0.8	6.3	1.5	73.1	78.5	80	45	59	69	6205	6203	E	11.05	CD0005	12
3/4	0.56	1750	56C	TENV	CWAM3542	1.4	10.5	2.3	71.7	76.6	78.5	44	56	66	6205	6203	E1	11.05	CD0005	12
1	0.75	3450	56C	TEFC	CWAM3545	1.6	8.9	1.5	62	68.3	74	63	74	79	6205	6203	E	12.28	CD0005	12
1	0.75	1740	56C	TENV	CWAM3546	1.5	13.2	3	79.7	82.6	82.5	51	65	74	6205	6203	E	11.05	CD0005	-
1	0.75	1740	143TC	TENV	CWAM3546T	1.5	13.2	3	79.7	82.6	82.5	51	65	74	62005	6203	E	12.12	CD0005	-
1	0.75	1155	56C	TEFC	CWAM3556	1.9	10.3	4.5	73.9	77.8	78.5	41	54	63	6205	6203	E	12.28	CD0005	-
1 1/2	1.1	3450	56C	TEFC	CWAM3550	2.3	16	2.3	66.7	72.7	75.5	59	71	76	6205	6203	E	12.28	CD0005	-
1 1/2	1.1	1755	145TC	TENV	CWAM3554T	2.3	19.3	4.5	83.1	85.4	85.5	52	65	72	6205	6203	E	12.12	CD0005	-
1 1/2	1.1	1140	56C	TEFC	CWAM3557	2.5	15.4	6.9	79.3	81.3	80	49	63	72	6205	6203	E	14.16	CD0005	-
2	1.5	3450	56C	TEFC	CWAM3555	2.7	17.5	3	78.2	80.3	78.5	80	87	93	6205	6203	E	13.28	CD0005	-
2	1.5	1750	56C	TEFC	CWAM3558	3.1	23.8	5.9	81	83.6	84	50	63	72	6205	6203	E	13.28	CD0005	-
2	1.5	1755	145TC	TEFC	CEWAM3558T	2.9	24.3	5.95	84.2	86.4	86.5	51	64	73	6205	6203	E	14.23	CD0005	-
3	2.2	3450	145TC	TEFC	CEWAM3559T	3.6	33	4.5	87.9	88.2	86.5	81	88	92	6205	6203	E	14.23	CD0005	-
3	2.2	1760	182TC	TEFC	CEWAM3611T	4.2	32	8.88	87.8	89.5	89.5	54	68	75	6206	6205	E	16.6	CD0005	-
3	2.2	1160	213TC	TEFC	CEWAM3704T	4.6	34.4	13.4	87.7	89.4	89.5	49	61	68	6307	6206	E	19.76	CD0005	-
5	3.7	3450	184TC	TEFC	CEWAM3613T	5.6	33.5	7.5	88.2	89.5	88.5	82	90	93	6206	6205	E	16.6	CD0005	-
5	3.7	1750	184TC	TEFC	CEWAM3615T	6.7	49.1	14.9	89.7	90.3	89.5	60	72	78	6206	6205	E	18.1	CD0005	-
5	3.7	1160	215TC	TEFC	CEWAM3708T	7.2	51.2	22.6	90.7	91.1	89.5	55	66	72	6307	6206	E	20.51	CD0005	35
7 1/2	5.6	3500	213TC	TEFC	CEWAM3709T	8.6	77	11.4	90.5	91.3	89.5	77	85	88	6307	6206	E	18.63	CD0005	35
7 1/2	5.6	1770	213TC	TEFC	CEWAM3710T	9.4	71.6	22.3	91.8	92.4	91.7	62	75	81	6307	6206	E	19.76	CD0005	35
7 1/2	5.6	1180	254TC	TEFC	CEWAM22976T	11	75.8	33.2	90.3	91.6	91	51	63	70	6309	6208	E	23.57	CD0005	35
10	7.5	3450	215TC	TEFC	CEWAM3711T	11.8	98	15	91.7	91.9	90.2	85	88	90	6307	6206	E	18.63	CD0005	-
10	7.5	1770	215TC	TEFC	CEWAM3714T	12	103	29.5	92.1	92.4	91.7	66	79	85	6307	6206	E	21.26	CD0005	35
10	7.5	1180	256TC	TEFC	CEWAM23932T	15.1	107	44.3	89.4	91.2	91	49	61	68	6309	6208	E	23.57	CD0180	35
C-Face, Footless																				
1/2	0.37	1740	56C	TENV	VWAM3538	0.8	6.3	1.5	73.1	78.5	80	45	59	69	6205	6203	E	11.05	CD0005	12
3/4	0.56	1750	56C	TENV	VWAM3542	1.4	10.5	2.7	71.7	76.6	78.5	44	56	66	6205	6203	E	11.05	CD0005	12
1	0.75	1740	56C	TENV	VWAM3546	1.5	13.2	3	79.7	82.6	82.5	51	65	74	6205	6203	E	11.05	CD0005	-
1	0.75	1740	143TC	TENV	VWAM3546T	1.5	13.2	3	79.7	82.6	82.5	51	65	74	6205	6203	E	11.13	CD0005	-
1 1/2	1.10	1755	56C	TENV	VWAM3554	2.3	19.3	4.5	83.1	85.4	85.5	52	65	72	6205	6203	E	12.05	CD0005	-
1 1/2	1.10	1755	145TC	TENV	VWAM3554T	2.3	19.3	4.5	83.1	85.4	85.5	52	65	72	6205	6203	E	12.13	CD0005	-
2	1.50	1735	56C	TEFC	VWAM3558	3	24.8	6.1	79.2	82.2	82.5	53	67	76	6205	6203	E	13.29	CD0005	-
2	1.50	1750	145TC	TEFC	VWAM3558T	3.1	23.8	6	81	83.6	84	50	63	72	6205	6203	E	13.35	CD0005	-
3	2.20	1760	182TC	TEFC	VWAM3611T	4.5	31.2	9	86.9	88.2	87.5	51	63	77	6206	6205	E	16.6	CD0005	-
5	3.70	1745	184TC	TEFC	VWAM3615T	6.8	48.4	15	87.1	88.3	87.5	59	72	78	6206	6205	E	16.6	CD0005	35
7 1/2	5.60	1770	213TC	TEFC	VWAM3710T	10.1	77.5	22.2	88.1	89.7	89.5	58	71	77	6307	6206	E	18.63	CD0005	35
10	7.50	1770	215TC	TEFC	VWAM3714T	13.5	107	29.5	88.2	89.6	89.5	58	70	77	6307	6206	E	19.76	CD0005	35

NOTES: Volt Code: E = 208-230/460V, 60Hz; E1 = 230/460V,60Hz, usable at 208V
12 = 1.25 Service Factor
35 = NEMA Design A
 See page 49 for Connection Diagrams. See page 42 for Dimensions.
 Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Severe Duty – Explosion-Proof Motors

These Baldor 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 Class & Group	XP Temp Code	Amps @ High V		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Volt Code	"C" Dim.	Conn. Diag. No.	Notes
							F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.				
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	30
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	30
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
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	-

NOTES: ③ = Class I, Group D, Class II, Group E, F & G
 Volt Code: E1 = 230/460V, 60Hz, usable at 208V; F = 230/460V, 60 Hz. G=460V, 60 Hz.
 30 = Usable at 208 volts
 35 = NEMA Design A

See page 49 for Connection Diagrams. See page 45 for Dimensions.
 Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Shaded ratings are cast iron frames.

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

Drill Rig Duty



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 Volts, Three Phase, 1 - 100 Hp

Hp	kW	RPM	Frame	Catalog No.	XP Class & Group	XP Temp Code	Amps @ High V		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			"C" Dim.	Conn. Diag. No.	Notes
							F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.			
230/460 Volt																		
1	0.75	3450	143T	EM7013T-I	④	T3C	1.4	10.5	1.47	71.7	76.4	77	72	82	87	14.12	CD0005	19
1	0.75	1760	143T	EM7014T-I	④	T3C	1.5	12.1	2.97	82.1	84.8	85.5	49	62	71	14.12	CD0005	19,30
1	0.75	1155	145T	EM7032T-I	④	T3C	1.8	10.8	4.51	79.4	82.3	82.5	43	55	64	15.09	CD0005	19,30
1 1/2	1.1	3500	143T	EM7018T-I	④	T3C	1.9	17.9	2.22	82	84.6	84	67	79	85	14.12	CD0005	19
1 1/2	1.1	1760	143T	EM7034T-I	④	T3C	2.2	18.3	4.47	84.5	86.9	86.5	51	65	73	15.09	CD0005	19,30
1 1/2	1.1	1170	182T	EM7020T-I	④	T3C	2.6	14.7	6.8	86	88.3	87.5	42	53	61	18.27	CD0005	19
2	1.5	3490	145T	EM7071T-I	④	T3C	2.5	25.9	2.98	83.6	85.7	85.5	75	84	88	15.09	CD0005	19,30
2	1.5	1755	145T	EM7037T-I	④	T3C	2.9	22.9	5.37	82.9	85.5	86.5	49	62	73	15.81	CD0005	19,30
2	1.5	1170	184T	EM7041T-I	④	T3C	3.5	20.9	9	86.7	88.6	88.5	41	52	61	19.52	CD0005	19,30
3	2.2	3450	182T	EM7026T-I	④	T3C	3.7	33.3	4.7	86.2	87.3	86.5	82	88	91	16.77	CD0005	19,30
3	2.2	1760	182T	EM7042T-I	④	T3C	4.2	30.8	7.1	86	88.5	89.5	49	62	75	18.27	CD0005	19,30
3	2.2	1160	213T	EM7036T-I	④	T3C	4.6	34.4	13.4	87.7	89.4	89.5	49	61	68	20.32	CD0005	19,30
5	3.7	3470	184T	EM7072T-I	④	T3C	5.6	59.3	7.66	90.7	90.8	90.2	83	90	94	18.27	CD0005	19,35
5	3.7	1750	184T	EM7044T-I	④	T3C	6.5	53.7	15	89.7	90.7	89.5	62	74	80	19.52	CD0005	19,30
5	3.7	1160	215T	EM7040T-I	④	T3C	7.3	51.6	22.7	89.8	90.4	89.5	55	66	72	22.32	CD0005	19,30,35
7 1/2	5.6	3470	213T	EM7045T-I	④	T3C	8.6	63.1	11.1	89.1	90.2	89.5	80	87	90	19.57	CD0005	19
7 1/2	5.6	1770	213T	EM7047T-I	④	T3C	9.4	69.3	17.8	90.8	91.9	91.7	56	70	81	20.32	CD0005	19,30,35
7 1/2	5.6	1190	254T	EM7048T-I	④	T3C	10.7	67	32.4	89.3	90.7	91	53	64	70	25.5	CD0005	19,30
10	7.5	3500	215T	EM7174T-I	④	T3C	11.1	88.5	14.9	93	93.2	92.4	79	88	90	20.03	CD0005	19
10	7.5	1765	215T	EM7170T-I	④	T3C	12.3	92.9	26.8	93.4	92.3	92.4	61	74	81	20.03	CD0005	19,35
10	7.5	1180	256T	EM7065T-I	④	T3C	15	95.3	44.4	89.8	91.4	91	52	63	70	25.5	CD0005	19,30
15	11	3520	254T	EM7053T-I	④	T3C	17.5	110	22.1	91	91.6	91	77	85	87	25.5	CD0180	19,30
15	11	1765	254T	EM7054T-I	④	T3C	18	125	45	92.1	93	92.4	71	81	84	25.5	CD0005	19,30
15	11	1180	284T	EM7057T-I	④	T3C	20	122	65.7	90.6	92	91.7	58	69	75	28.61	CD0180	19
20	15	3530	256T	EM7059T-I	④	T3C	22	171	29.8	92.5	93	91	87	91	91	25.5	CD0180	19,30,35
20	15	1765	256T	EM7056T-I	④	T3C	24	171	60	92.9	93.5	93	74	83	84	25.5	CD0180	19,30
20	15	1180	286T	EM7079T-I	④	T3C	27	165	89.4	91.1	91.9	91.7	60	71	77	28.61	CD0180	19,30
25	19	3520	284TS	EM7063T-I	④	T3C	28.5	177	37.4	91.5	91.7	91.7	80	87	89	27.23	CD0180	19
25	19	1780	284T	EM7058T-I	④	T3C	30.5	188	74	93.4	93.9	93.6	69	78	82	28.61	CD0005	19,30
25	19	1180	324T	EM7082T-I	④	T3C	32	198	111	92.8	93.5	93	65	75	79	32	CD0180	19,30,35
30	22	3520	286TS	EM7083T-I	④	T3C	33	194	44.6	92.9	93.3	91.7	85	90	90	27.23	CD0180	19,30
30	22	1770	286T	EM7060T-I	④	T3C	36	235	89.1	93.7	94.3	93.6	66	75	83	28.61	CD0005	19,30
30	22	1180	326T	EM7080T-I	④	T3C	39	243	133	92.5	93.2	93	62	73	78	32	CD0005	19,30,35
40	30	3530	324TS	EM7067T-I	④	T3C	46	305	59.2	91.6	92.6	92.4	79	86	88	30.5	CD0180	19,30,35
40	30	1775	324T	EM7062T-I	④	T3C	48	338	118	93.5	94.2	94.1	69	78	82	32	CD0180	19
40	30	1180	364T	EM7084T-I	④	T3C	47.2	275	178	94.4	94.5	94.1	74	82	84	33.44	416820-2	19,30
50	37	3540	326TS	EM7081T-I	④	T3C	56	4.8	74.4	93.8	94.2	93	82	88	90	30.5	CD0180	19,30,35
50	37	1775	326T	EM7064T-I	④	T3C	57	384	143	94.5	94.4	94.5	73	82	87	32	CD0180	19,30
50	37	1180	365T	EM7085T-I	④	T3C	60.1	358	222	94.4	94.6	94.1	71	79	83	33.44	416820-2	19,30

NOTES: 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.

30 = Usable at 208 volts

35 = NEMA Design A

See page 49 for Connection Diagrams. See page 46 for Dimensions.

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

Shaded ratings are cast iron frames.

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

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

Hp	kW	RPM	Frame	Catalog No.	XP Class & Group	XP Temp Code	Amps @ High V		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			“C” Dim.	Conn. Diag. No.	Notes
							F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.			
230/460 Volt (continued)																		
60	45	3560	364TS	EM7310T-I	④	T3C	67.3	415	88.5	92.7	93.7	93.6	80	86	89	31.31	416820-2	19,30
60	45	1780	364T	EM7066T-I	④	T3C	67.8	432	177	95.4	95.5	95	77	84	87	33.44	416820-2	19,30
60	45	1185	404T	EM7086T-I	④	T3C	67.3	434	266	94.6	94.9	94.5	79	86	88	38.31	416820-2	19,30
75	56	3555	365TS	EM7313T-I	④	T3C	83.4	465	111	93	93.8	93.6	83	88	90	31.31	416820-2	19,30
75	56	1780	365T	EM7068T-I	④	T3C	84.1	510	221	96.1	95.9	95.4	78	85	88	33.44	416820-2	19,30
75	56	1185	405T	EM7087T-I	④	T3C	84.2	537	333	94.8	95	94.5	79	86	88	38.31	416820-2	19,30
100	75	1780	405T	EM7090T-I	④	T3C	112	708	295	95.5	95.7	95.4	78	85	88	38.31	416820-2	19,30
575 Volt																		
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	-
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	-
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	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	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	-
20	15	1765	256T	EM7056T-I-5	④	T3C	19.2	140	59	92.8	93.1	93	69	80	84	25.5	CD0006	-
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	-
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	-
40	30	1775	324T	EM7062T-I-5	④	T3C	39	267	118	93.6	94.3	94.1	67	77	82	32	CD0006	-
50	37	1775	326T	EM7064T-I-5	④	T3C	45.6	318	149	94.4	94.9	94.5	81	80	87	32	CD0006	-
60	45	1780	364T	EM7066T-I-5	④	T3C	54.2	346	177	95.4	95.5	95	77	84	87	33.44	416820-36	-
75	56	1780	365T	EM7068T-I-5	④	T3C	67.2	408	221	96.1	95.9	95.4	78	85	88	33.44	416820-36	-
100	75	1780	405T	EM7090T-I-5	④	T3C	89.6	566	295	95.5	95.7	95.4	78	85	88	38.31	416820-36	-

NOTES: 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.

30 = Usable at 208 volts

35 = NEMA Design A

See page 50 for Connection Diagrams. See page 47 for Dimensions.

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

Shaded ratings are cast iron frames.

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

Drill Rig Duty C-Face Mounting



TEFC - Totally Enclosed Fan Cooled 230/460 Volts, Three Phase, 1.5 - 50 Hp

Hp	kW	RPM	Frame	Catalog No.	XP Class & Group	XP Temp Code	Amps @ High V		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Volt Code	"C" Dim.	Conn. Diag. No.	Notes
							F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.				
C-Face Footmounted																			
1/2	0.37	1740	56C	CM7006-I	④	T3C	0.8	6.3	1.5	73	78.5	80	45	59	69	E1	13.14	CD0005	19,60
3/4	0.56	1750	56C	CM7010-I	④	T3C	1.4	10.5	2.3	71	76.2	78.5	44	56	66	F	14.28	CD0005	19
1	0.75	1750	56C	CM7014-I	④	T3C	1.6	13.2	3	78	81.4	82.5	50	63	73	F	14.28	CD0005	19
1 1/2	1.1	1760	145TC	CEM7034T-I	④	T3C	2.2	18.3	4.47	84.5	86.9	86.5	51	65	73	E1	15.23	CD0005	19
2	1.5	1755	145TC	CEM7037T-I	④	T3C	2.9	22.9	5.37	82.9	85.5	86.5	49	62	73	E1	16.1	CD0005	19
3	2.2	1760	182TC	CEM7042T-I	④	T3C	4.2	30.8	7.1	86	88.5	89.5	49	62	75	E1	19.59	CD0005	19
5	3.7	1750	184TC	CEM7044T-I	④	T3C	6.5	53.7	15	89.7	90.7	89.5	62	74	80	E1	20.84	CD0005	19
7 1/2	5.6	1770	213TC	CEM7047T-I	④	T3C	9.4	69.3	17.8	90.8	91.9	91.7	56	70	81	E1	21.07	CD0005	19,35
10	7.5	1765	215TC	CEM7170T-I	④	T3C	12.3	92.9	26.8	93.4	92.3	92.4	61	74	81	F	20.78	CD0005	19,35
15	11	1765	254TC	CEM7054T-I	④	T3C	18	125	45	92.1	93	92.4	71	81	84	E1	26	CD0005	19
20	15	1765	256TC	CEM7056T-I	④	T3C	24	171	60	92.9	93.5	93	74	83	84	E1	26	CD0180	19
25	19	1780	284TC	CEM7058T-I	④	T3C	30.5	188	74	93.4	93.9	93.6	69	78	82	E1	28.61	CD0005	19
30	22	1770	286TC	CEM7060T-I	④	T3C	36	235	89.1	93.7	94.3	93.6	66	75	83	E1	28.61	CD0005	19
40	30	1775	324TC	CEM7062T-I	④	T3C	48	338	118	93.5	94.2	94.1	69	78	82	F	32	CD0180	19
50	37	1775	326TC	CEM7064T-I	④	T3C	57	384	143	94.5	94.4	94.5	73	82	87	E1	32	CD0180	19
C-Face Footless																			
1/2	0.37	1740	56C	VM7006-I	④	T3C	0.8	6.3	1.5	73.1	78.5	80	45	59	69	E1	13.14	CD0005	19,60
3/4	0.56	1750	56C	VM7010-I	④	T3C	1.4	10.5	2.3	71	76.2	78.5	44	56	66	F	14.31	CD0005	19
1	0.75	1750	56C	VM7014-I	④	T3C	1.6	13.2	3	78	81.4	82.5	50	63	73	F	14.31	CD0005	19
1	0.75	1750	143TC	VM7014T-I	④	T3C	1.6	13.2	3	78	81.4	82.5	50	63	73	F	14.36	CD0005	19
1 1/2	1.1	1755	56C	VM7034-I	④	T3C	2.4	19	4.4	79.4	83	84	48	62	70	F	15.17	CD0005	19
1 1/2	1.1	1755	145TC	VM7034T-I	④	T3C	2.4	19	4.4	79.4	83	84	48	62	70	F	15.23	CD0005	19
2	1.5	1750	145TC	VM7037T-I	④	T3C	3	22.5	5.9	82.4	84.6	84	54	66	75	F	15.23	CD0005	19
3	2.2	1750	182TC	VM7042T-I	④	T3C	4.2	31.5	9.1	86.3	87.9	87.5	59	71	78	F	19.59	CD0005	19
5	3.7	1750	184TC	VM7044T-I	④	T3C	6.7	53	15	87	88	87.5	66	77	80	F	19.59	CD0005	19
7 1/2	5.6	1760	213TC	VM7047T-I	④	T3C	10.2	69.1	22.2	87	89.3	89.5	62	73	76	E1	21.06	CD0005	19
10	7.5	1765	215TC	VM7170T-I	④	T3C	12.7	93.5	29.6	88.8	90.1	89.5	67	77	82	E1	20.77	CD0005	19,35

NOTES: ④ = Class I, Group C & D

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

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

35 = NEMA Design A

60 = Totally Enclosed Non Ventilated Enclosure (TENV)

See page 49 for Connection Diagrams. See page 46 for Dimensions.

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

Shaded ratings are cast iron frames.

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

Drill Rig Duty Single Phase



TEFC - Totally Enclosed Fan Cooled C-Face, Foot Mounted, 115/230 Volts, Single Phase, 1/3 - 1 Hp

Hp	kW	RPM	Frame	Catalog No.	XP Class & Group	XP Temp Code	Amps @ High V		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Voltage	"C" Dim.	Conn. Diag. No.	Notes
							F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.				
1/3	0.25	1725	56C	CL5001-I	④	T3C	3.3	31	1	39.9	48.7	55	44	52	58	115/208-230	14.31	CD0001	-
1/2	0.37	1725	56C	CL5004-I	④	T3C	3.7	22.6	1.5	57.1	64.6	68	46	56	65	115/208-230	14.31	CD0001	-
3/4	0.56	1725	56C	CL5007-I	④	T3C	5.3	71.5	2.24	59.8	67.1	68	47	57	70	115/208-230	15.17	CD0001	-
1	0.75	1725	56C	CL5023-I	④	T3C	6.0	77.2	3.11	62.3	66.5	68	66	80	77	115/230	16.05	CD0001	30

NOTES: ④ = Class I, Group C & D

30 = Usable at 208 volts

See page 49 for Connection Diagrams. See page 46 for Dimensions.

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

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

Drill Rig Duty 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.



TEFC - Totally Enclosed Fan Cooled - C-Face, Foot Mounted, 230/460 Volts, Three Phase, 3 - 10 Hp

Hp	kW	RPM	Frame	Catalog No.	XP Class & Group	XP Temp Code	Amps @ High V		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Voltage	"C" Dim.	Conn. Diag. No.	Notes
							F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.				
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	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	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	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

NOTES: 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

30 = Usable at 208 volts

97 = One size smaller flange and shaft

See page 49 for Connection Diagrams. Contact Baldor for Layout Drawings.

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

Shaded ratings are cast iron frames.

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

Vertical P-Base Motors



These motors are designed and manufactured for normal medium and high thrust in-line pump applications typical of waste water treatment plants, petro chemical industries, pulp and paper mills and agricultural irrigation. Motor design includes severe duty construction with corrosion-resistant epoxy finish, cast-iron construction, designed for vertical mounting. Rotatable conduit box, stainless steel nameplates, shaft seals. Energy efficient windings. Two lifting lugs for balanced lifting. All Baldor-Reliance Vertical P-Base motors have 1.15 Service Factor and are Inverter-Ready. Normal thrust VHECP motors meet or exceed NEMA Premium® efficiency levels.



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 Down Thrust Load Lbs.	Volt Code	"C" Dim.	Conn. Diag. No.	Notes
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.	DE	ODE					
Normal Thrust																				
3	2.2	3500	182HP	VHECP3660T	3.5	37.6	4.5	87.9	89.6	89.5	73	84	89	6307	6206	348	E1	22.18	CD0005	35
3	2.2	1755	182HP	VHECP3661T	4.1	29.8	9.1	88.9	90.1	89.5	58	70	77	6307	6206	450	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	348	E1	22.18	CD0005	35
5	3.7	1750	184HP	VHECP3665T	6.5	54	14.9	90.3	91.2	90.2	60	73	80	6307	6206	450	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	540	E1	22.33	CD0005	35
7 1/2	5.6	1770	213HP	VHECP3770T	9.5	68	22.1	91.6	92.3	91.7	65	76	81	6309	6206	697	E1	22.33	CD0005	35
10	7.5	3500	215HP	VHECP3771T	11.2	120	15	92.7	92.9	91.7	82	89	92	6309	6206	540	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	697	E1	22.33	CD0005	35
15	11	3525	254HP	VHECP2394T	17.2	128	22.2	90.8	91.9	91.7	78	86	88	6311	6208	700	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	913	E1	25.73	CD0005	35
20	15	3540	256HP	VHECP4106T	23	201	29.7	91.1	92.3	92.4	74	84	89	6311	6208	700	E1	25.73	CD0180	35
20	15	1765	256HP	VHECP2334T	24	175	59	92.8	93.1	93	69	80	84	6311	6208	913	E1	25.73	CD0005	-
25	19	3530	284HP	VHECP4107T	28	236	37.2	93	93.5	93	82	89	91	6311	6208	691	E1	25.72	CD0180	35
25	19	1770	284HP	VHECP4103T	30	186	74.2	92.3	93.5	93.6	73	81	85	6311	6309	879	E1	30.69	CD0005	-
30	22	3520	286HP	VHECP4108T	33	281	44.7	93.2	93.5	93	83	89	92	6311	6208	691	E1	25.72	CD0180	35
30	22	1770	286HP	VHECP4104T	36	246	89	93.8	94.4	94.1	66	75	83	6311	6309	879	E1	30.69	CD0005	-
40	30	3540	324HP	VHECP4109T	45	326	59.5	92.3	93.4	93.6	80	87	90	6312	6311	767	E1	34.72	CD0180	-
40	30	1775	324HP	VHECP4110T	46	320	118	93.9	94.6	94.5	73	81	84	6312	6311	988	E1	34.72	CD0180	-
50	37	3540	326HP	VHECP4114T	56	403	74.1	94	94.5	94.1	80	87	89	6312	6311	767	E	34.72	CD0180	-
50	37	1775	326HP	VHECP4115T	57	392	149	94.4	94.9	94.5	73	82	85	6312	6211	988	E1	34.72	CD0180	-
60	45	3560	364HP	VHECP4310T	65.1	398	88.5	95.3	95.5	95	88	91	91	6313	6313	822	E1	35.25	416820-2	-
60	45	1780	364HP	VHECP4314T	68	430	177	95.2	95.3	95	79	85	87	6313	6313	1257	E1	35.25	416820-2	-
75	56	3555	365HP	VHECP4313T	80.7	494	111	95.1	95.4	95	91	92	92	6313	6313	822	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	1257	E1	35.25	416820-2	-

NOTES: Volt Code: E = 208-230/460V, 60Hz; E1 = 230/460V, 60Hz, usable at 208V
35 = NEMA Design A

Shaded ratings are cast iron frames.

See page 49 for Connection Diagrams. See page 48 for Dimensions.
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

**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 Down Thrust Load Lbs.	Volt Code	"C" Dim.	Conn. Diag. No.	Notes
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.	DE	ODE					
					Medium Thrust															
3	2.2	3470	182LP	VLCP3660T	3.7	33	4.56	83.6	85.7	85.5	73	84	89	QJ307	6206	788	E	22.18	CD0005	-
3	2.2	1750	182LP	VLCP3661T	4.1	32.4	8.9	86.1	87.8	87.5	59	71	78	QJ307	6206	981	E	22.18	CD0005	-
5	3.7	3460	184LP	VLCP3663T	5.9	54.6	7.53	87.6	89	87.5	77	89	90	QJ307	6206	788	E	22.18	CD0005	-
5	3.7	1750	184LP	VLCP3665T	6.9	46.6	15	86.4	88.5	87.5	58	70	77	QJ307	6206	981	E	22.18	CD0005	-
7 1/2	5.6	3480	213LP	VLCP3769T	9.5	58.5	11.2	88.3	89.2	88.5	68	80	84	QJ211	6307	1236	E	22.33	CD0005	-
7 1/2	5.6	1765	213LP	VLCP3770T	10.3	74.3	22.2	87.6	89.3	89.5	57	69	76	QJ211	6307	1547	E	22.33	CD0005	35
10	7.5	3500	215LP	VLCP3771T	12.0	81.5	14.9	90.2	91	89.5	73	81	86	QJ211	6307	1236	E	22.33	CD0005	-
10	7.5	1760	215LP	VLCP3774T	13.0	88.4	29.85	88.9	89.8	89.5	62	74	80	QJ211	6307	1547	E	22.33	CD0005	-
15	11	3480	254LP	VLCP2394T	17.2	126	22.4	90.5	91	90.2	81	88	90	QJ211	6307	1670	E	22.33	CD0005	35
15	11	1760	254LP	VLCP2333T	18.5	147.3	44.6	91.6	92.1	91	68	78	83	QJ211	6307	2088	E	25.54	CD0005	35
20	15	3525	256LP	VLCP4106T	23.0	189	30	88.3	90.4	90.2	78	87	90	QJ213	6208	1670	F	25.72	CD0005	-
20	15	1760	256LP	VLCP2334T	24.0	152	59.8	91.1	91.9	91	70	80	85	QJ213	6208	2088	E1	25.72	CD0180	-
25	19	3510	284LP	VLCP4107T	28.0	227	37.3	91.4	91.9	91	81	88	91	QJ213	6208	1661	E1	27.47	CD0180	35
25	19	1760	286LP	VLCP4103T	30.0	216	74.3	92.2	92.8	92.4	71	81	85	QJ213	6208	2054	E1	27.47	CD0005	-
30	22	3520	286LP	VLCP4108T	34.0	282	44.8	91.6	92.1	91	82	88	91	QJ213	6208	1661	E	27.47	CD0180	35
30	22	1765	286LP	VLCP4104T	37.0	217	89.2	91.2	92.4	92.4	69	78	82	QJ213	6309	2054	E1	32.44	CD0005	-
40	30	3530	324LP	VLCP4109T	45.0	327	58.5	90.3	91.8	91.7	79	86	89	QJ312	6311	1627	E1	34.72	CD0180	-
40	30	1775	324LP	VLCP4110T	47.0	300	119	92.4	93.2	93	73	82	85	QJ312	6311	2338	E1	34.72	CD0180	-
High Thrust																				
50	37	3540	326VP	VPCP4114T	57	367	74.3	91.4	92.6	92.4	83	88	89	QJ311	6311	1627	E	34.71	CD0180	-
50	37	1770	326VP	VPCP4115T	59	361	148	92.6	93.2	93	74	82	85	QJ312	6311	2338	E1	34.71	CD0180	-
60	45	3555	364VP	VPCP4310T	72.8	387	88.6	91.9	93.1	93	71	80	83	6313	7310	1562	E1	37.25	416820-2	-
60	45	1780	364VP	VPCP4314T	73.4	428	177	93.4	94	93.6	69	78	82	6313	7310	2947	E1	37.25	416820-2	-
75	56	3555	365VP	VPCP4313T	87.9	495	111	92.3	93.2	93	77	83	86	6313	7310	1562	E1	37.25	416820-2	-
75	56	1780	365VP	VPCP4316T	87.0	542	221	94.5	94.7	94.1	76	83	86	6313	7310	2947	E1	37.25	416820-2	-

NOTES: Volt Code: E = 208-230/460V, 60Hz; E1 = 230/460V, 60Hz, usable at 208V
35 = NEMA Design A

Shaded ratings are cast iron frames.

See page 49 for Connection Diagrams. See page 48 for Dimensions.
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

API 547 Motors – Large AC

Users in the Petroleum and Chemical industries wanted a general purpose, easy to specify motor that had the base features required for safe, reliable operation in severe duty applications. The American Petroleum Institute responded by creating Specification number 547.

The Baldor•Reliance API 547 motor is designed to meet the spec and is also the first motor of any kind to receive the API Monogram. This commitment to delivering quality and value to our customers is one of the reasons that Baldor•Reliance motors remain the preferred choice of users in the Petrochemical Industry.

About API Standard 547

- This standard covers the requirements for form-wound induction motors for use in general purpose petroleum, chemical, and other industrial severe duty applications.

These motors:

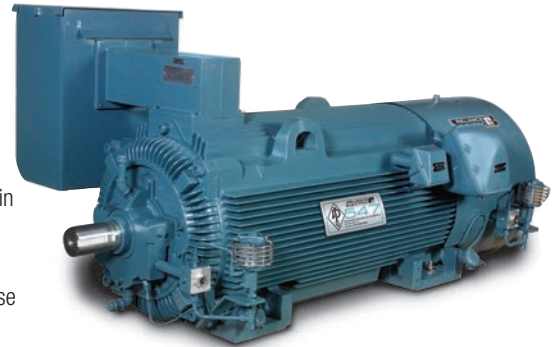
- Are rated 250 Hp – 3000 Hp for 4, 6, and 8 pole speeds
- Are rated < 800 Hp for 2 pole totally enclosed motors
- Are rated < 1250 Hp for 2 pole WP-II motors
- Drive centrifugal loads
- Drive loads having inertia values within those listed in NEMA MG 1 Part 20

Application Information

- API 547 motors are ideally suited for many common pump, fan, and compressor applications.
- Data Sheets for 547 motors are available, but not required as the specification has default selections for all necessary motor features.
- Pre-Engineered model number selections are available for 2 pole and 4 pole motors.

About the API Monogram

As an API licensee Baldor•Reliance is committed to modern quality systems enabling us to deliver interchangeable products that are safe and meet industry standards and performance specifications. Receiving the API license proves that Baldor has documented systems that incorporate the structure, responsibilities, control processes, and resources needed to manage and maintain quality.



API 547 Motor Feature Summary

- 85 dBA
- API vibration limits - .10 in/sec or 1.5 mils
- 1.0 service factor
- Sleeve bearings
- API foot planarity (0.002 in/ft)
- Oil resistant silicon leads
- Pilot holes for dowel pins
- Sump heaters for sleeve bearing motor if < 18C ambient
- Class 1 Div 2, Group C & D T3A
- 60 hz sinewave power
- Crowned 1/2 key for balancing
- (2) Insulated bearings and a grounding device
- Ambient “-25°C to +40°C”
- (2) Frame grounds
- APEX (UV resistant) paint system
- API routine test minimum
- Aluminum rotor – fab CU required over 1000 Hp
- Starting duty nameplate
- 80% RVS per NEMA load curve (> 500 Hp)
- XTS features for TEFC
- Constant level oilers – sleeve bearing
- Permanent end float indicator – sleeve bearing
- Vertical jack screws
- Spot face for hold down bolts
- 650% maximum locked rotor current
- 3.5 per unit surge withstand
- Stainless steel hardware
- Standard high efficient design
- 3300 feet altitude
- Horizontal – foot mounted
- Solid seal insulation (2 cycle VPI system capable of passing a water immersion test)
- IP55 bearing protection
- Oversized conduit box for stress cones
- Winding RTD's – 100 ohm pt. 2 per phase
- Bearing RTD's 100 ohm pt. 1 per bearing if sleeve bearing
- Replaceable space heaters – T3A
- Direct coupled
- Automatic drainage fittings
- Long term storage for at least 6 months

Additional Features for WP-II Motors

- Stainless steel screens and filters
- Provisions for a differential air pressure switch/gauge

Additional Features for Model Number Motors

- CSA certified
- F1 to F2 convertible
- 2300/4000V
- Provisions for probes

API 547 Model Number Motor Selection Chart

3600 RPM – 60 Hz					1800 RPM – 60 Hz				
Hp	TEFC		WP-II		Hp	TEFC		WP-II	
	Spec. No.	Frame	Spec. No.	Frame		Spec. No.	Frame	Spec. No.	Frame
250	A32250DSCA	G5008	A22250DSCA	E5006	250	A34250DSCA	G5008	A24250DSCA	E5006
300	A32300DSCA	G5008	A22300DSCA	E5008	300	A34300DSCA	G5008	A24300DSCA	E5006
350	A32350DSCA	G5008	A22350DSCA	E5008	350	A34350DSCA	G5008	A24350DSCA	E5006
400	A32400DSCA	G5010	A22400DSCA	E5010	400	A34400DSCA	G5008	A24400DSCA	E5008
450	A32450DSCA	G5010	A22450DSCA	E5010	450	A34450DSCA	G5010	A24450DSCA	E5008
500	A32500DSCA	G5010	A22500DSCA	E5010	500	A34500DSCA	G5010	A24500DSCA	E5010
600	A32600DSCA	G5810	A22600DSCA	O5808	600	A34600DSCA	G5012	A24600DSCA	E5010
700	A32700DSBA	G5810	A22700DSCA	O5808	700	A34700DSCA	G5012	A24700DSCA	E5012
800	Custom API 541	—	A22800DSCA	O5808	800	A34800DSCA	G5012	A24800DSCA	E5012
900	Custom API 541	—	A22900DSCA	O5808	900	A34900DSBA	G5012	A24900DSBA	O5808
1000	Custom API 541	—	A221K0DSCA	O5810	1000	A341K0DSCA	G500M	A241K0DSCA	O5810
1250	Custom API 541	—	Custom API 541	—	1250	A341K2DSBA	G500M	A241K2DSBA	O5812
1500	Custom API 541	—	Custom API 541	—	1500	A341K5DSBA	G500M	A241K5DSBA	O5812
1750	Custom API 541	—	Custom API 541	—	1750	A341K7DSBA	G500M	A241K7DSBA	O5812
2000	Custom API 541	—	Custom API 541	—	2000	A342K0DSBA	G500M	A242K0DSBA	O5812
2250	Custom API 541	—	Custom API 541	—	2250	Custom API 541	—	A242K2DSBA	6811
2500	Custom API 541	—	Custom API 541	—	2500	Custom API 541	—	A242K5DSBA	6811
2750	Custom API 541	—	Custom API 541	—	2750	Custom API 541	—	A242K7DSBA	6813
3000	Custom API 541	—	Custom API 541	—	3000	Custom API 541	—	A243K0DSBA	6813

API 547 and API 541 for Large AC Motors

API 541 (4th Edition)

When users in the Petroleum and Chemical industries want special purpose motors with uniquely defined features and accessories they turn to the API 541 standards. These standards apply to form wound induction motors rated 500 Hp and larger and used in critical service applications found in severe and abnormally hostile environments.

Unlike the counterpart API 547 standards, the API 541 standards do require comprehensive data sheets from the purchaser in order to delineate the users specific needs. Given the very critical nature of these applications, in addition to the basic data required for API 547 motors the API 541 data sheets cover an extensive range of application, enclosure, load, testing and accessory features. It's worth noting that API 541 data sheets include detailed purchaser specifications and supplier data that either the purchaser or supplier can use.

Baldor engineers participated in both the API 541 and API 547 working group committees and today Baldor•Reliance motors are the preferred choice of users in the Petro Chemical industry.

In an effort to bring more consistency and reliability to Petrochemical applications, in September of 2003 the API 541 authors made some notable changes to the standards. Today the API 541 fourth edition includes the following:

- Applies to larger motors 500 Hp and above, to avoid conflict with IEEE 841 standards
- Concentrates on special purpose "custom" motors and critical service applications
- Addresses applications with variable frequency drives such as requiring the motor to operate below 80 degrees C temperature rise at any speed when driving a variable torque load
- Includes expanded appendices that provide in-depth discussion of complicated issues
- Provides expanded use of Mechanical and Electrical Standard paragraphs
- Establishes a sound pressure limit that is compliant with OSHA requirements
- Requires motors to be operated at 1.0 service factor forcing the selection of higher ratings when overload capability is required
- Tightens design parameters that define resonant frequency limits
- Relies heavily on data sheets to document complete application details that will ensure the motor and drive (where applicable) are designed and built in a manner that will yield the intended performance

API standards were developed by Petroleum and Chemical users. However, in recognizing the importance of the design itself and the credibility of the Standards, many non-API industry users have applied API 541 and API 547 Standards to their own applications in order to achieve process integrity. This has proven to be especially true when larger AC motors are coping with unique load conditions found in reciprocating compressors, vertical turbine pumps, induction generators, axial thrust loads and variable frequency drives.

To help the reader differentiate between API 547 and API 541 motors, the following charts are provided:

Scope	API 547	API 541
Power	250 Hp - 3000 Hp	500 Hp and larger
Voltage	Any through 13.2 kV 50 & 60 Hz	Any through 13.2 kV 50 & 60 Hz
Speed	2 pole thru 8 pole	Any speed and no. of poles, or AFD controls
Site	Severe Duty applications	Severe and abnormally hostile environments
Enclosures	TEFC and WPII	Any enclosure
Bearings	Hydrodynamic (sleeve) bearings default	Hydrodynamic (sleeve) bearings default
Applications	General Purpose for centrifugal loads	Critical Service for any load condition
Mounting	Horizontal	Horizontal and Vertical
Rotor	Aluminum thru 1000 Hp, Fabricated Copper above 1000 Hp	Fabricated Copper default, Aluminum only on approval
Shaft	<i>Forged shafts required on:</i> Two pole motors Flexible shaft motors	<i>Forged shafts required on:</i> Shafts larger than 8" Two pole motors > 1000 Hp Flexible shaft motors Motors driving reciprocating loads Motors using tapered hydraulic fit couplings
Critical Speed	Does not differentiate between a well damped resonance and lateral critical speed	Allows for a well damped resonance within the 15% separation margin

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
Super-E Motors 230, 460 and 575 Volts (1)					
ECP/XEX and ECP8/841XL (2)	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	
Standard-E Motors 230/460 and 575V (1) (3)					
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	4:1	20:1	Washdown Duty

NOTES:

- (1) 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.
- (2) 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.
- (3) Standard-E EPAAct 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 ³	841XL Volume IN ³	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

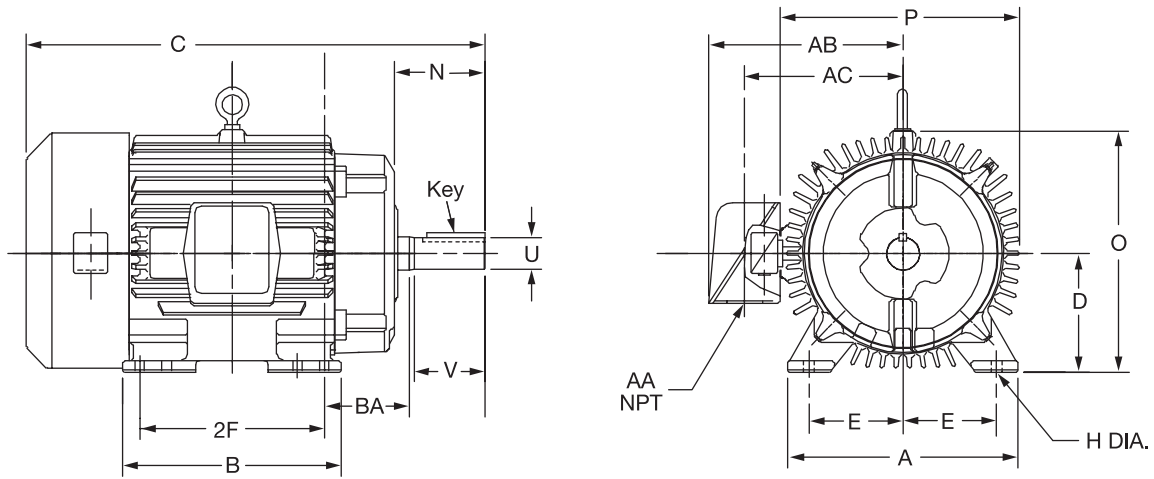
Motor Frame Size	Baldor Volume IN ³	UL/NEC Minimum Volume IN ³	NPT Hole Size
56	10.6	10.5	0.875
143T/145T	18.5	16.8	0.75
182T/184T	24.9	16.8	0.75
213T/215T	39.8	36.4	1.0
254T/256T	79	36.4	1.25

Approvals UL and CSA

All NEMA 42 through 445T 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

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

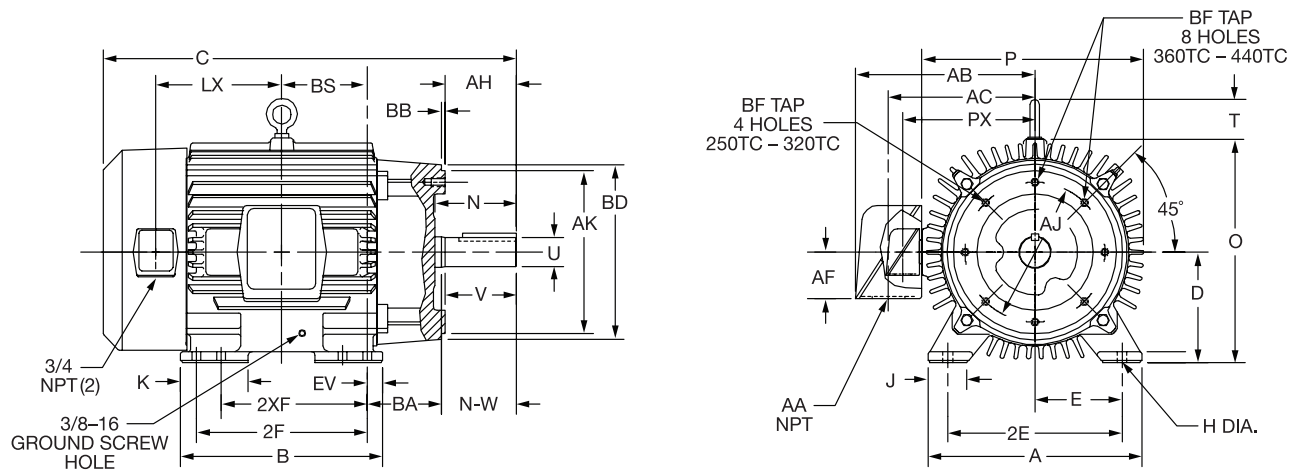


Frame Size	A	B	D	E	2F	H	Key	N	O	P	U	V	AA N.P.T.	AB	AC	BA
143T 145T	6.50	5.88	3.50	2.75	4.00 5.00	0.38	0.19	2.50	7.48	8.00	0.875	2.25	0.75	7.16	5.05	2.25
182T 184T	8.62	6.50	4.50	3.75	4.50 5.50	0.41	0.25	2.87	9.23	10.12	1.125	2.75	0.75	7.54	6.10	2.75
213T 215T	9.62	8.12	5.25	4.25	5.50 7.00	0.41	0.31	3.88	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.

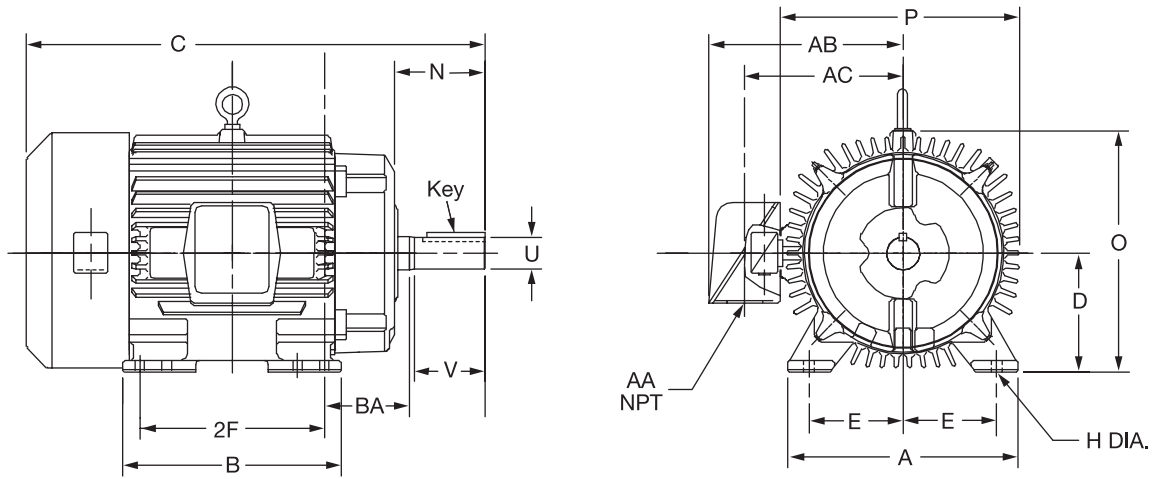
C-Face Footless

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

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

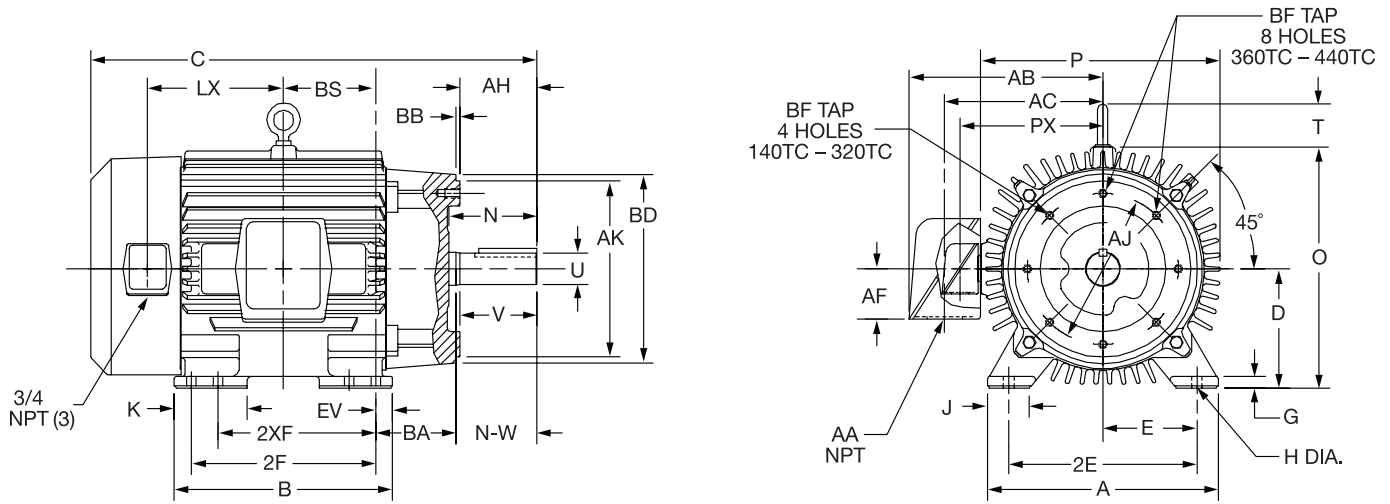


Frame Size	A	B	D	E	2F	H	Key	N	O	P	U	V	AA N.P.T.	AB	AC	BA
143T 145T	6.50	5.88	3.50	3.50	4.00 5.00	0.38	0.19	2.50	7.50	8.00	0.875	2.25	0.75	6.51	5.06	2.25
182T 184T	8.62	6.50	4.50	3.75	4.50 5.50	0.41	0.25	2.81	9.25	9.46	1.125	2.75	0.75	7.18	5.82	2.75
213T 215T	9.62	8.12	5.25	4.25	5.50 7.00	0.41	0.31	3.88	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

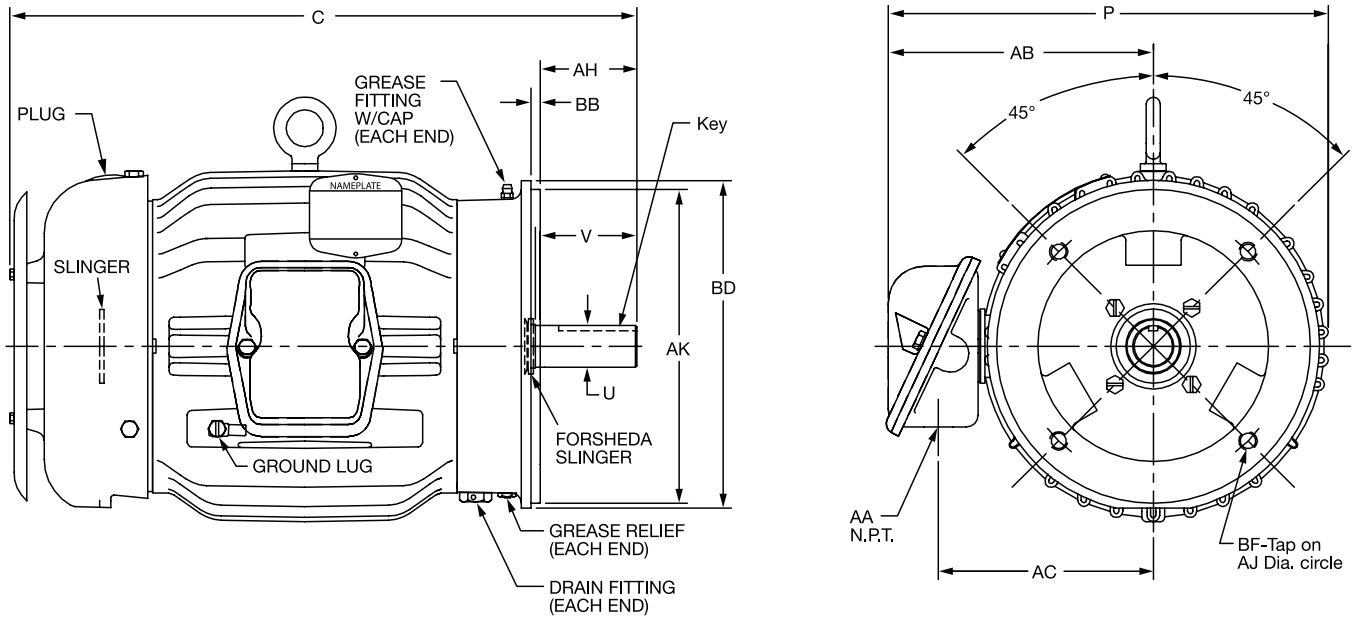


Frame Size	A	B	D	E	2F	H	Key	N	O	P	U	V	AA N.P.T.	AB	AC	AH	AJ	AK	BB	BD	BF Tap	BA
143TC 145TC	6.50	5.88	3.50	3.50	4.00 5.00	0.38	0.19	7.48	8.00	0.875	2.25	0.75	6.51	5.05	2.12	5.88	4.50	0.13	6.48	3/8-16	2.75	2.25
182TC 184TC	8.62	6.50	4.50	3.75	4.50 5.50	0.41	0.25	9.25	9.46	1.125	2.75	0.75	7.18	5.82	2.62	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

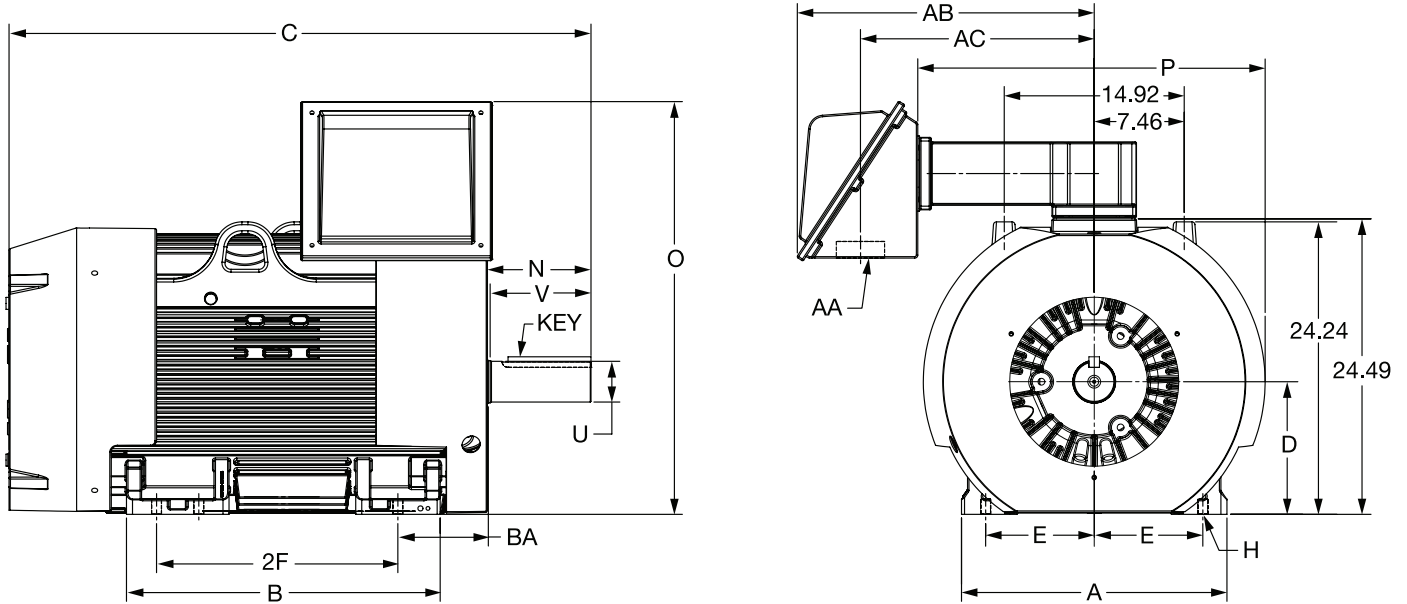


Frame Size	Key	V	AK	BB	AA N.P.T.	AB	AC	AH	AJ	AK	BB	BD	BF Tap
56C	0.19	8.00	0.625	1.88	0.75	6.43	5.07	2.06	5.88	4.50	0.13	6.48	3/8-16
143TC 145TC	0.19	8.00	0.875	2.25	0.75	6.42	5.07	2.12	5.88	4.50	0.13	6.48	3/8-16
182TC 184TC	0.25	9.46	1.125	2.75	0.75	7.18	5.82	2.62	7.25	8.50	0.25	9.00	1/2-13
213TC 215TC	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

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.

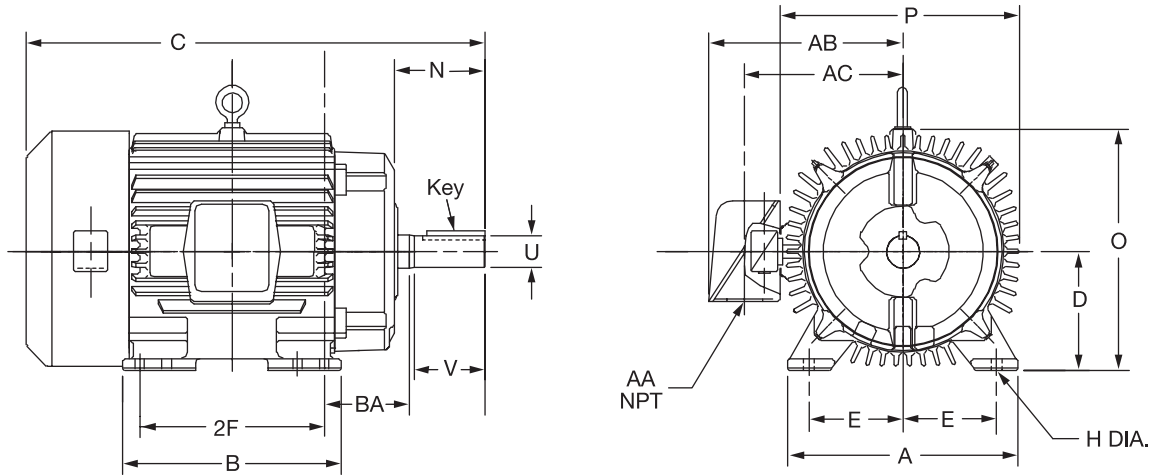
* For Severe Duty Enclosures (ECP) - AA is an N.P.T.

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

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

Dimensions

Crusher Duty Motors – TEFC Foot Mounted NEMA 404T - 449T

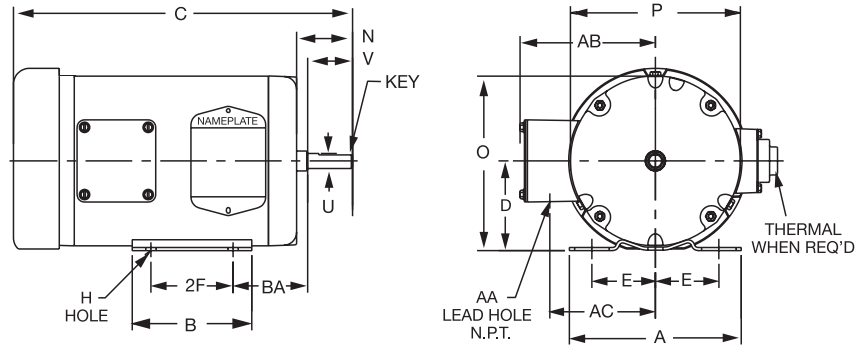


Frame Size	A	B	D	E	2F	H	Key	N	O	P	U	V	AA N.P.T.	AB	AC	BA
404T 405T	19.00	16.00	10.00	8.00	12.25 13.75	0.81	0.75	7.50	21.31	22.50	2.875	7.00	3.00	19.25	15.06	6.62
444T 445T	22.00	23.38	10.99	9.00	14.50 16.50	0.81	0.875	8.72	24.24	26.50	3.375	8.25	3.00	22.68	17.87	7.76
445T 447T	22.00	27.03	10.99	9.00	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
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

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

Dimensions

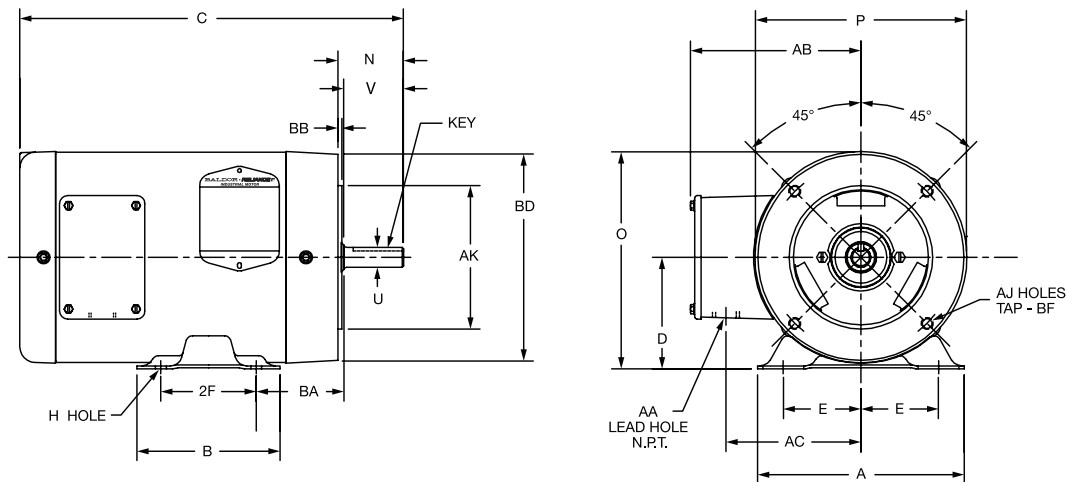
Dirty Duty® Motors NEMA 56-215T - Foot Mounted Steel Band Construction



NEMA Frame	A	B	D	E	2F	H	Key	N	O	P	U	V	AA	AB	AC	BA
56	6.56	4.25	3.50	2.44	3.00	0.34	0.19	2.50	6.34	5.69	0.625	1.87	0.50	4.51	3.53	2.75
143T					4.00											
145T	6.50	5.94	3.50	2.75	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					4.50											
184T	8.63	6.50	4.50	3.75	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					5.50											
215T	9.50	8.00	5.25	4.25	7.00	0.41	0.31	3.88	10.03	9.57	1.375	3.38	1.38	8.06	6.79	3.50

NOTES: 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.

Dirty Duty® Motors NEMA 56-215T - C-Face, Foot Mounted Steel Band Construction

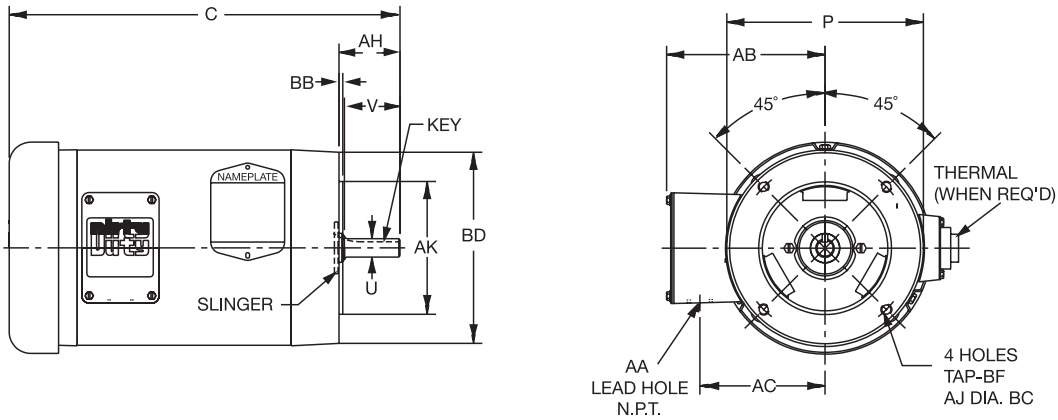


NEMA Frame	A	B	D	E	2F	H	Key	N	O	P	U	V	AA	AB	AC	BA
56	6.56	4.25	3.50	2.44	3.00	0.34	0.19	2.50	6.34	5.69	0.625	1.87	0.50	4.51	3.53	2.75
143T					4.00											
145T	6.50	5.94	3.50	2.75	5.00	0.34	0.19	2.50	6.81	6.62	0.875	2.25	0.88	5.73	4.62	2.25
182T					4.50											
184T	8.63	6.50	4.50	3.75	5.50	0.41	0.25	3.56	8.44	7.88	1.125	2.75	1.09	6.87	5.76	2.75
213T					5.50											
215T	9.50	8.00	5.25	4.25	7.00	0.41	0.31	3.88	10.03	9.57	1.375	3.38	1.38	8.06	6.79	3.50

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

Dimensions

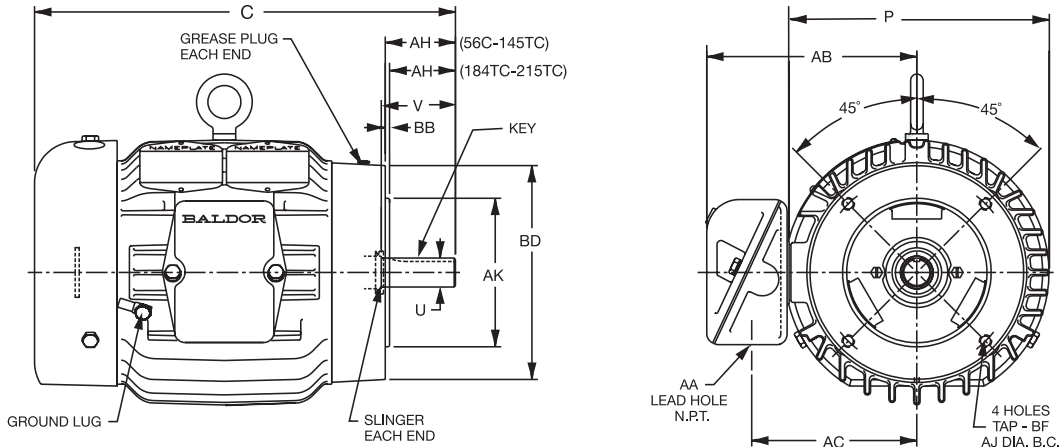
Dirty Duty® Motors NEMA 56C - C-Face, Footless Steel Band Construction



NEMA Frame	Key	P	U	V	AA	AB	AC	AH	AJ	AK	BB	BD	Tap BF
56C 1/2 - 1 Hp	0.19	5.69	0.625	1.87	0.50 NPT	4.51	3.53	2.06	5.88	4.50	0.12	5.81	3/8-16
56C 1-1/2 Hp	0.19	6.66	0.625	1.87	0.50 NPT	5.37	4.24	2.06	5.88	4.50	0.13	6.48	3/8-16

NOTES: 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.

Dirty Duty® Motors NEMA 56C-215TC - C-Face, Footless Cast Iron Construction

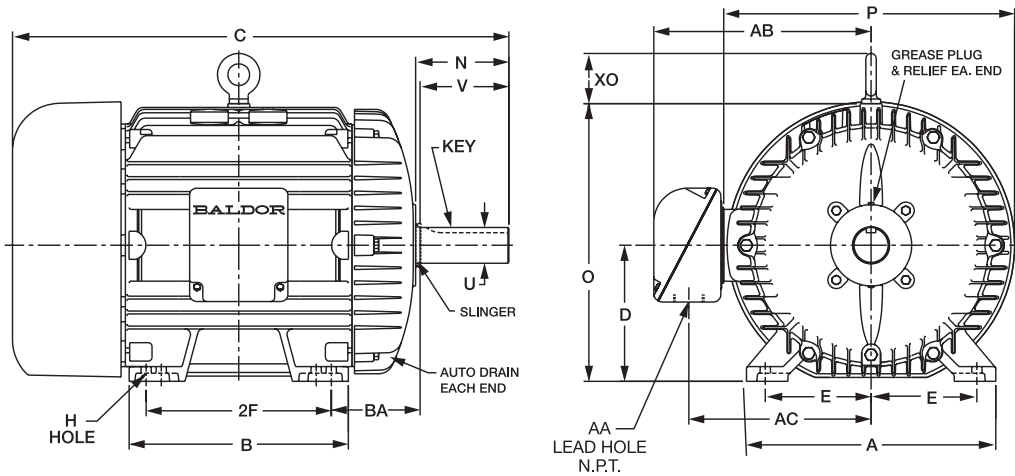


NEMA Frame	Key	P	U	V	AA	AB	AC	AH	AJ	AK	BB	BD	Tap BF
56C	0.19	8.02	0.625	1.88	0.75 NPT	6.36	5.00	2.06	5.88	4.50	0.13	6.48	3/8-16
143TC 145TC	0.19	8.02	0.875	2.25	0.75 NPT	6.43	5.00	2.12	5.88	4.50	0.13	6.48	3/8-16
182TC 184TC	0.25	9.00	1.125	2.75	0.75 NPT	7.12	5.75	2.62	7.25	8.50	0.25	8.87	1/2-13
213TC 215TC	0.31	12.18	1.375	3.38	1.00 NPT	8.83	7.25	3.12	7.25	8.50	0.25	9.06	1/2-13

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

Dimensions

Dirty Duty® Motors NEMA 143T-256T - Foot Mounted Cast Iron Construction

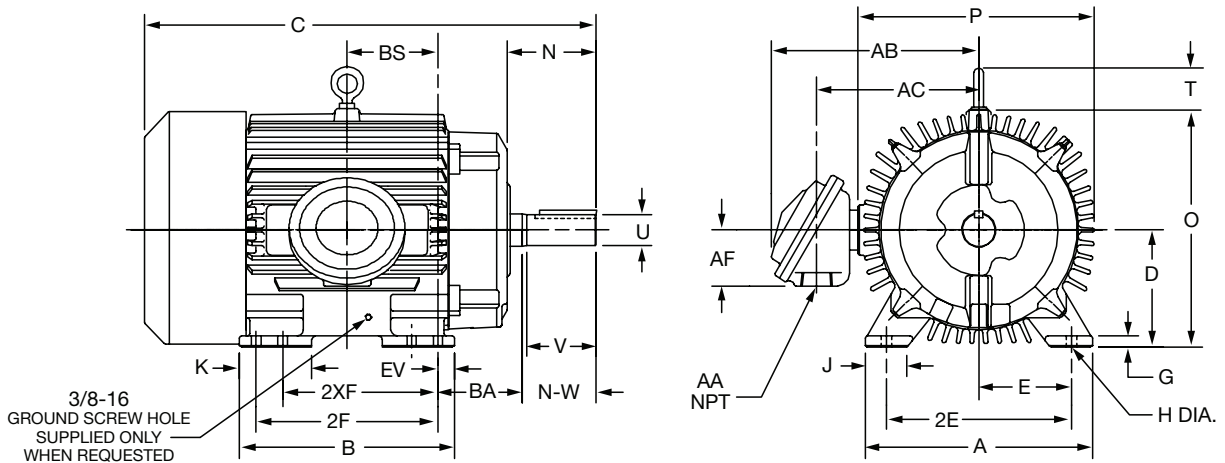


NEMA Frame	A	B	D	E	2F	H	Key	N	O	P	U	V	AA	AB	AC	BA
143T					4.00								0.75			
145T	6.50	5.88	3.50	2.75	5.00	0.38	0.188	2.50	7.48	8.00	0.875	2.25	NPT	6.38	5.00	2.25
182T					4.50								0.75			
184T	8.62	6.50	4.50	3.75	5.50	0.41	0.25	2.81	9.23	10.12	1.125	2.75	NPT	7.12	5.75	2.75
213T					5.50								1.00			
215T	9.62	8.12	5.25	4.25	7.00	0.41	0.31	3.88	10.99	11.88	1.375	3.38	NPT	8.82	7.25	3.50
254T					8.25								1.25			
256T	11.50	11.50(4) 9.75(8)	6.25	5.00	10.00	0.53	0.38	4.66	12.18	11.88	1.625	4.00	NPT	9.00	7.43	4.25
254T					8.25								1.25			
256T	11.50	11.50	6.25	5.00	10.00	0.53	0.38	4.38	12.88	12.94	1.625	4.00	NPT	10.01	8.23	4.25

NOTE: NEMA 254-256T Catalog # ECP2276T, ECP2332T, AB=10.10, AC=8.27.

Dimensions

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



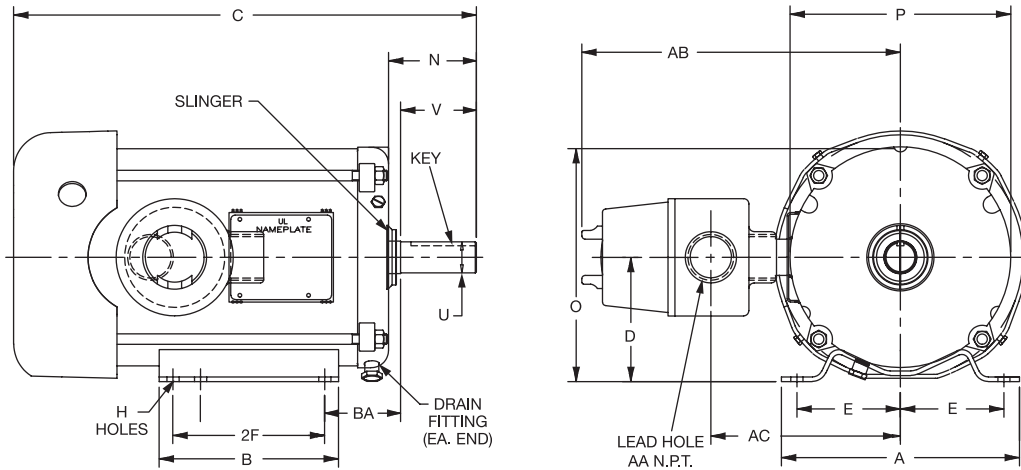
Frame Size	A	B	C	D	E	2F	H	KEY	N	O	P	U	V	AA	AB	AC	AF	BA	Wgt. Lbs.
L182T L184T	9	8.5	17.12	4.5	3.75	4.5 5.5	0.44	0.188	2.81	9.88	9.25	1.125	2.5	1	9.5	6.94	2.5	2.75	110 115
213T 215T	10.5	8.5	19.25	5.25	4.25	5.5 7.0	0.44	0.25	3.44	11.25	10.5	1.375	3.12	1	10.5	7.81	2.5	3.5	130 140
L213T L215T	10.5	9.12	20.12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

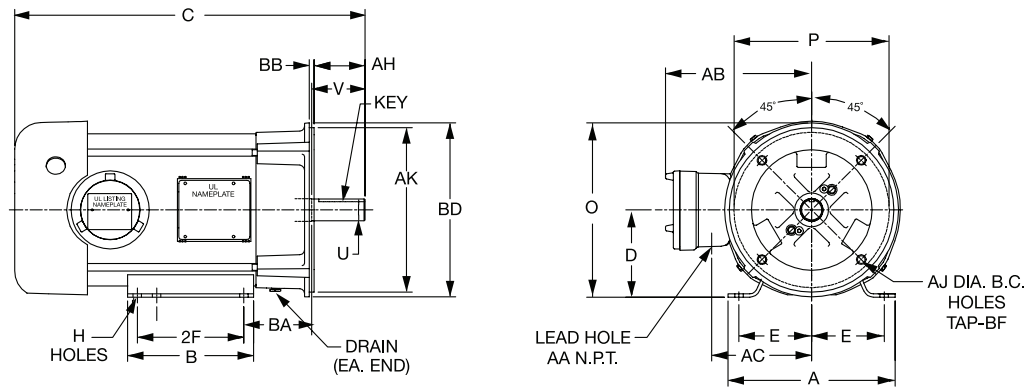
Dimensions

Drill Rig Duty Motors Steel Band Construction

Foot Mounted, NEMA 143T - 215T



C-Face Mounted, NEMA 56C - 215TC

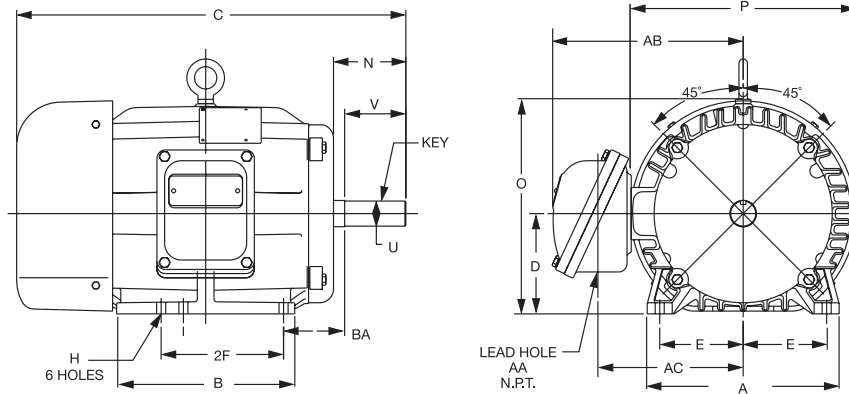


NEMA Frame	A	B	D	E	2F	H	N	O	P	U	V	AA	AB	AC	AH	AJ	AK	BA	BB	BD	Tap
182T					4.50																
184T	8.63	6.50	4.50	3.75	5.50	0.41	3.19	8.44	8.00	1.125	2.75	0.75	7.72	5.34	-	-	-	2.75	-	-	-
182TC					4.50																
184TC	8.63	6.50	4.50	3.75	5.50	0.41	-	8.99	8.00	1.125	2.75	0.75	7.54	5.16	2.62	7.25	8.50	3.50	0.25	8.98	1/2-13
213T					5.50																
215T	9.50	8.00	5.25	4.25	7.00	0.41	3.57	10.03	9.56	1.375	3.38	0.75	9.38	6.68	-	-	-	3.50	-	-	-
213TC					5.50																
215TC	9.50	8.00	5.25	4.25	7.00	0.41	-	10.03	9.69	1.375	3.37	0.75	9.40	6.88	3.12	7.25	8.50	4.25	0.25	9.04	1/2-13
56C	6.62	4.32	3.50	2.49	3.00	0.34	-	6.82	6.69	0.625	1.93	0.75	7.18	4.80	1.88	5.88	4.50	2.75	0.18	6.49	3/8-16
143T					4.00																
145T	6.50	5.94	3.50	2.75	5.00	0.38	2.56	7.09	6.69	0.875	2.25	.75	7.21	4.94	-	-	-	2.25	-	-	-
143TC					4.00																
145TC	6.50	5.94	3.47	2.75	5.00	0.38	-	7.06	6.69	0.875	2.12	0.75	7.21	4.82	1.99	5.88	4.50	2.75	0.26	6.46	3/8-16

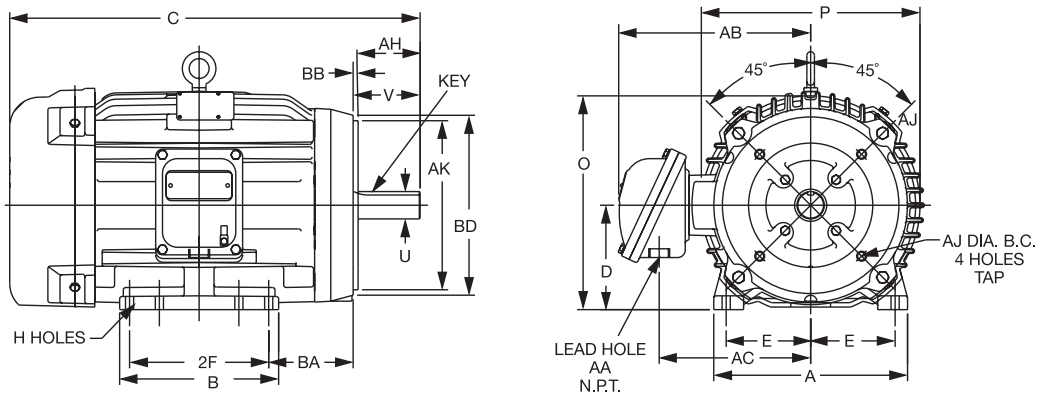
Dimensions

Drill Rig Duty Motors Cast Iron Construction

Foot Mounted, NEMA 215T - 405T



C-Face Mounted, NEMA 215TC - 326TC

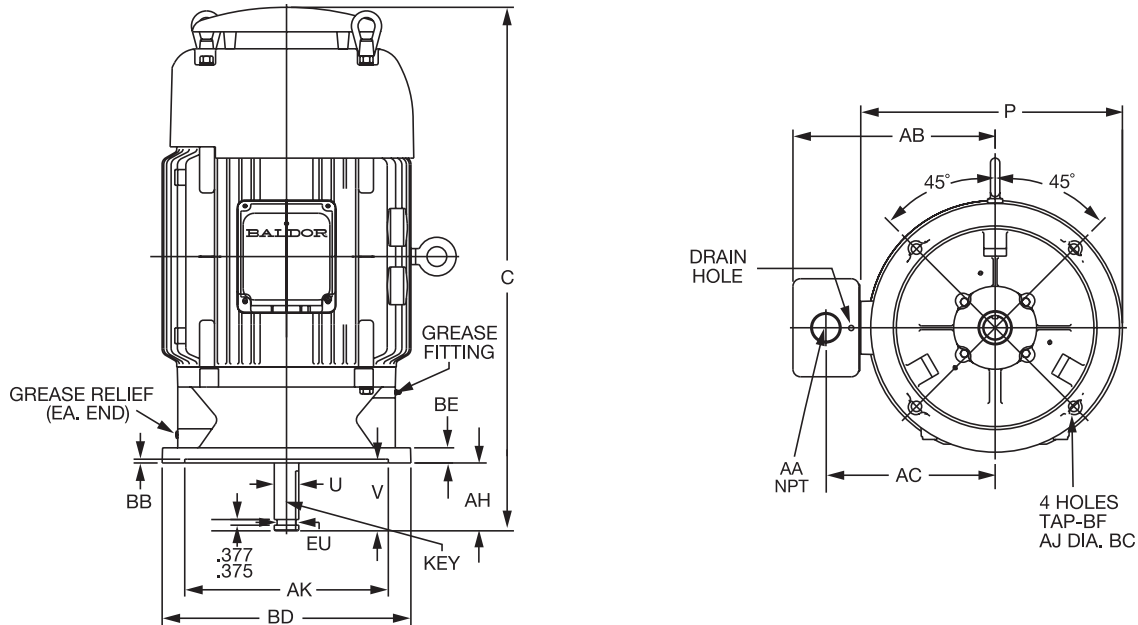


NEMA Frame	A	B	D	E	2F	H	N	O	P	U	V	AA	AB	AC	AH	AJ	AK	BA	BB	BD	Tap
213T 215T	9.75	8.00	5.25	4.25	5.50 7.00	0.41	3.47	10.75	11.00	1.375	3.13	0.75	9.66	7.62	-	-	-	3.75	-	-	-
213TC 215TC	9.75	8.00	5.25	4.25	5.50 7.00	0.41	-	10.75	11.84	1.375	3.38	0.75	9.66	7.62	3.12	7.25	8.50	4.50	0.25	9.05	1/2-13
254T 256T	11.50	11.50	6.25	5.00	8.25 10.00	0.53	4.20	12.96	13.44	1.625	4.00	1.25	12.63	9.49	-	-	-	4.25	-	-	-
254TC 256TC	11.50	11.50	6.25	5.00	8.25 10.00	0.53	-	12.94	13.44	1.625	4.00	1.25	12.63	9.49	3.75	7.25	8.50	4.75	0.25	9.13	1/2-13
284T 286T	12.76	12.75	7.00	5.50	9.50 11.00	0.53	4.88	14.75	15.54	1.875	4.63	1.50	16.74	11.57	-	-	-	4.75	-	-	-
284TC 286TC	12.76	12.75	7.00	5.50	9.50 11.00	0.53	-	14.75	15.54	1.875	4.63	1.50	16.74	11.57	4.38	9.00	10.50	4.75	0.25	11.23	1/2-13
324T 326T	14.50	14.00	8.00	6.25	10.50 12.00	0.66	5.44	16.68	17.40	2.125	5.25	2.00	17.62	12.48	-	-	-	5.25	-	-	-
324TC 326TC	14.50	14.00	8.00	6.25	10.50 12.00	0.66	-	16.68	17.39	2.125	5.25	2.00	17.62	12.48	5.00	11.00	12.50	5.25	0.25	13.38	5/8-11
364T 365T	17.00	15.00	9.00	7.00	11.25 12.25	0.69	6.00	18.50	19.50	2.375	5.62	3.00	18.81	14.25	-	-	-	5.88	-	-	-
404T 405T	19.50	16.00	10.00	8.00	12.25 13.75	0.81	7.50	21.31	22.50	2.875	7.00	3.00	20.50	15.88	-	-	-	6.62	-	-	-

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

Dimensions

**P-Base Vertical Solid Shaft Pump Motors
Cast Iron Construction – TEFC
NEMA 182HP - 365HP (Normal Thrust)
NEMA 182LP - 324LP (Medium Thrust)
NEMA 326VP - 365VP (High Thrust)**

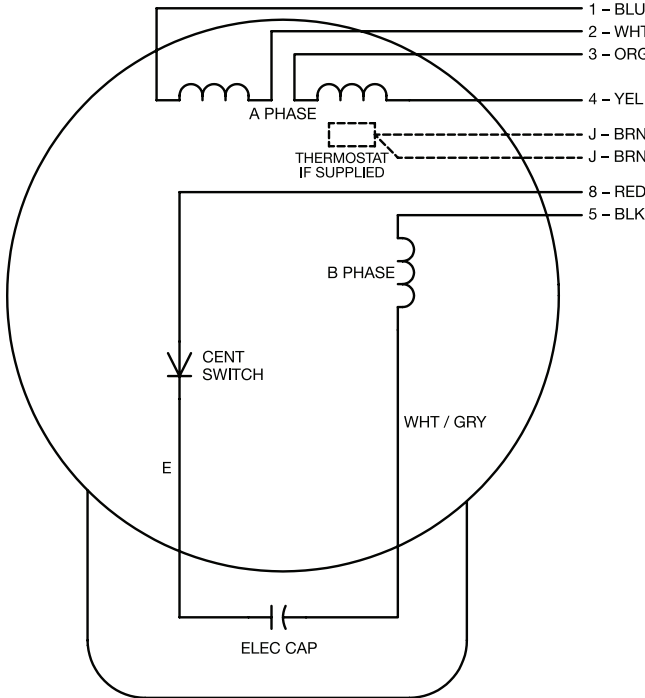


NEMA Frame	Key	P	U	V Min	AA NPT	AB	AC	AH	AJ	AK	BB	BD	BE	Tap BF	EU		
Normal Thrust																	
182HP 184HP	0.25	13.6	1.125	3.00	1.00	7.85	8.29	2.75	9.12	8.25	0.25	9.88	0.69	0.44	0.875		
213HP 215HP	0.25	12.13	1.125	3.00	1.50	8.68	7.11	2.75	9.12	8.25	0.25	9.88	0.69	0.44	0.875		
254HP 256HP	0.25	12.94	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		
Medium Thrust																	
NEMA Frame	Key	P	R*	S*	U	V Min	AA	AB	AC	AH	AJ	AK	BB	BD	BE	Tap BF	EU
182LP 184LP	0.25	11.50	0.984	0.25	1.125	3.00	1.00 NPT	7.69	6.35	2.75	9.12	8.25	0.25	9.88	0.68	0.44	0.875
213LP 215LP	0.38	12.13	1.406	0.375	1.625	3.00	1.50 NPT	8.68	7.11	2.75	9.12	8.25	0.25	9.88	0.69	0.44	1.25
254LP 256LP	0.38	12.94	1.406	0.375	1.625	3.00	1.50 NPT	9.50	8.07	2.75	9.12	8.25	0.25	9.87	0.69	0.44	1.25
284LP 286LP	0.50	15.32	1.843	0.50	2.125	4.00	2.00 NPT	12.34	10.16	4.50	9.12	8.25	0.25	9.87	0.69	0.44	1.75
324LP 326LP	0.50	17.35	1.843	0.50	2.125	4.00	2.00 NPT	13.41	11.22	4.50	14.75	13.50	0.25	16.50	1.00	0.69	1.75
High Thrust																	
324VP 326VP	0.375	17.35	1.406	0.375	1.625	4.75	2.00 NPT	13.41	11.22	4.50	14.75	13.50	0.25	16.49	1.00	0.69	1.25
364VP 365VP	0.38	19.25	1.406	0.375	1.625	4.75	2.00 NPT	14.37	12.13	4.50	14.75	13.50	0.25	16.49	1.00	0.69	1.25

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

Connection Diagrams

CD0001

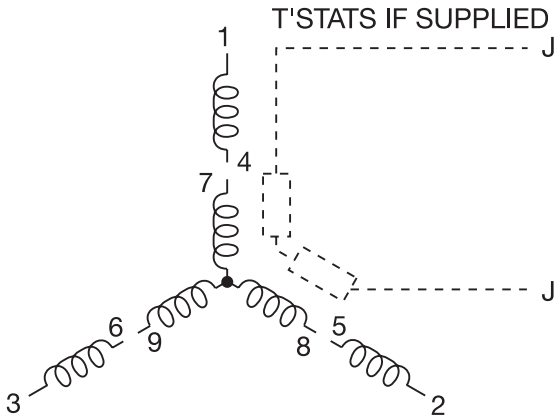


	LINE A	LINE B	JOIN
HIGH STD	1	4,5	2,3,8
HIGH OPP	1	4,8	2,3,5
LOW STD	1,3,8	2,4,5	-
LOW OPP	1,3,5	2,4,8	-

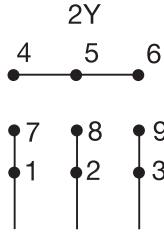
Notes:

1. Standard rotation is CCW facing end opposite shaft extension.
2. Thermostat is provided when specified.
3. Multiple capacitors are connected in parallel unless otherwise specified.
4. Lead colors are optional. Leads must always be numbered as shown.

CD0005 and 416820-1

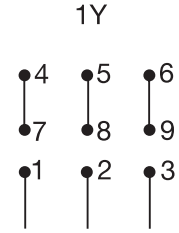


LOW VOLTAGE



LINE

HIGH VOLTAGE



LINE

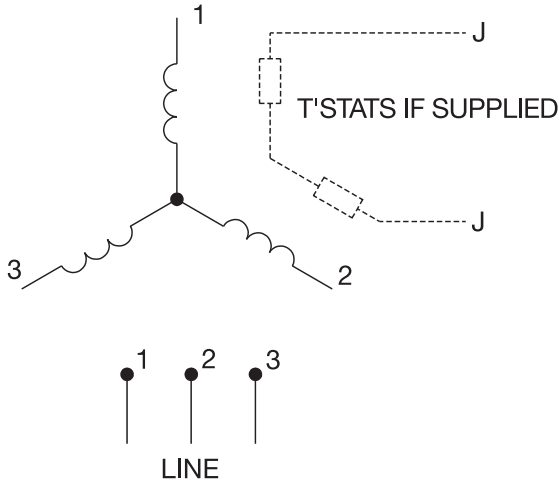
Notes:

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

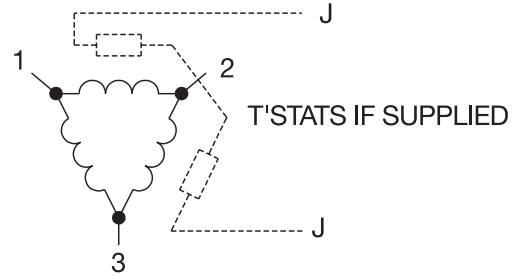
Connection Diagrams

CD0006, 416820-24 and 416820-25

TYPICAL WYE-CONNECTED MOTOR



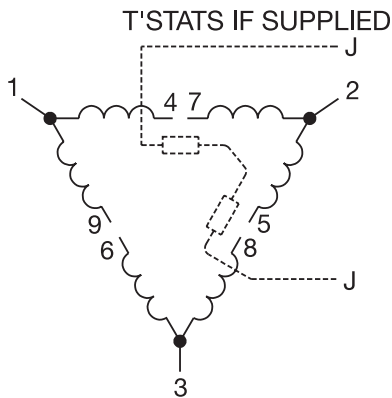
TYPICAL DELTA-CONNECTED MOTOR



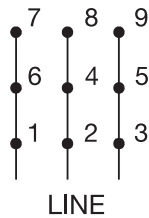
Notes:

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.

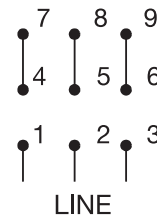
CD0180 and 416820-2



LOW VOLTAGE
(2D)



HIGH VOLTAGE
(1D)

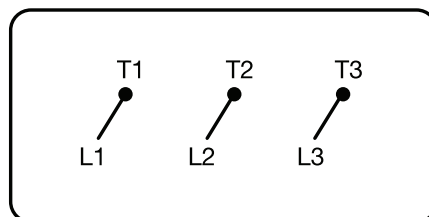


Notes:

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.

416820-036

STANDARD 3 LEAD CONNECTED



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