

BALDOR • RELIANCE

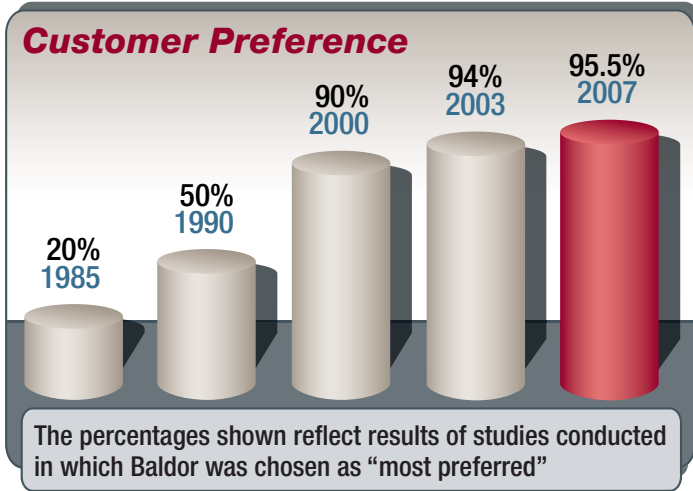


Severe Duty Motors



BALDOR
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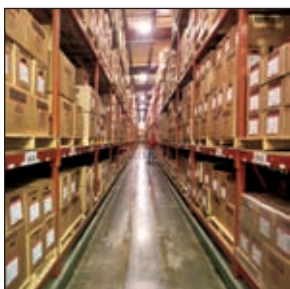
Why Baldor?



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

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

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



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

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

Industry's shortest lead times/Flexible manufacturing.

Baldor has the industry's shortest lead times on custom motors – just ten working days. Our unique LEAN FLEX



FLOW™ manufacturing process lets us produce any order in any quantity, quickly and efficiently.

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

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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 700 Stock Motor Ratings

Today, Baldor offers customers a wide range of Severe Duty motors directly from stock, including your choice of premium efficient or standard 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 standard efficient 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.

Standard efficiency 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 – 2001 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.

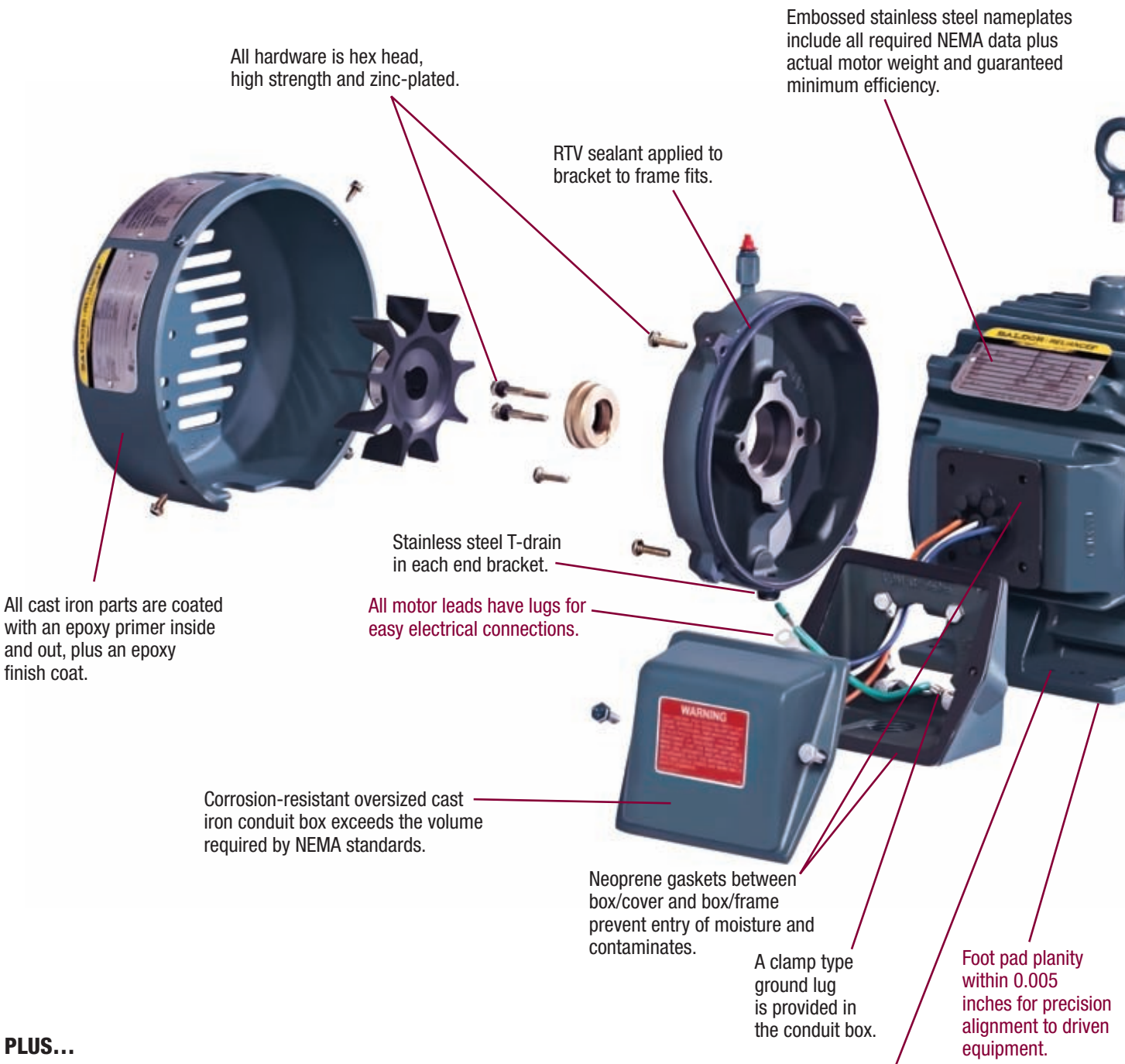
Leadership in Premium Efficiency

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 exceed the efficiency levels defined by EPCAct in the U.S., NRC in Canada, and CEMEP EFF1 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



PLUS...

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

- Features found in all Severe Duty motors
- Features found only in 841XL and 661XL motors

DIVISION 2 MARKINGS

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

High strength cast iron frame is designed to reduce vibration and assure accurate mounting dimensions.

All internal rotor, stator and shaft surfaces are epoxy coated.

841XL motors are guaranteed to meet IEEE 841 vibration standards.

Precision cast conductor bars on the rotor up thru 449T frames minimize vibration and extend service life.

Durable cast iron end shields are machined to close tolerances for exact alignment of bearings and rotor.

Alemite grease fittings on both ends.

Inpro/Seal® bearing isolators at both the drive end and fan end ensure bearing protection from contamination.

Wavy washer pre-loads the motor bearings.

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

Bearing life is increased by minimizing temperature rise to below 50°C for 2 pole motors and 45°C for 4 pole motors.

Automatic grease relief fitting on both brackets. On ODE it extends out of the fan cover for easy access.

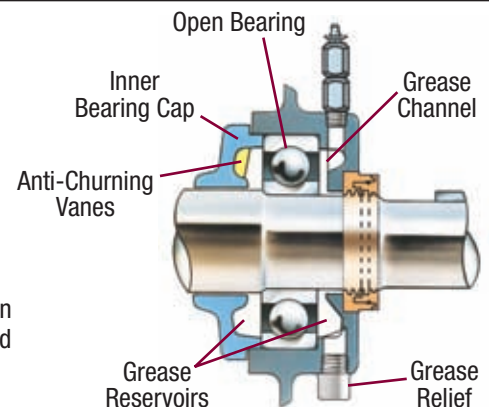
The draft angle on top of all mounting feet is 1.5 degrees or less to make proper mounting easier.

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

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



Going Beyond the Industry Standard in Severe Duty Motors

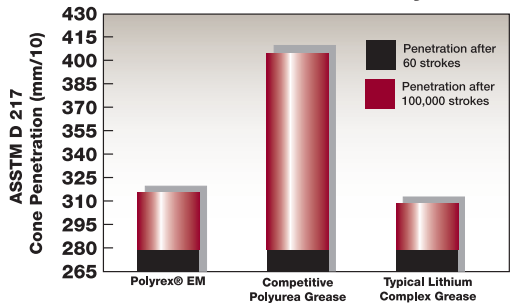
Baldor's Severe Duty motors are another example of our commitment to provide reliable performance, while exceeding customer expectations.

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

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

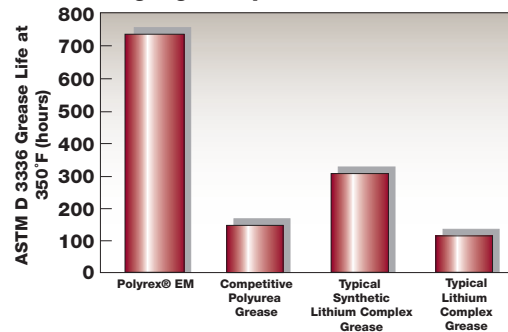
Today, that better grease is Exxon's new Polyrex® EM polyurea grease – now standard on all Baldor•Reliance motors. It provides lubrication life of more than four times greater than other polyurea greases in tests up to 350°F. It exhibits greater durability when subjected to mechanical shearing forces.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

Excellent Shear Stability



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

Outstanding High-Temperature Lubrication Life



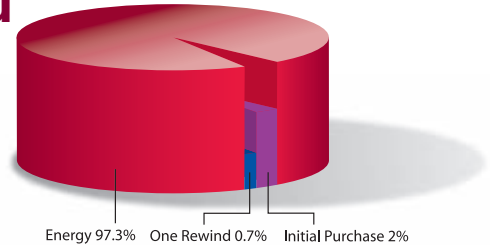
In the severe ASTM D 3336 High-Temperature Grease Life Test, Polyrex EM dramatically outperformed a competitive polyurea grease and conventional lithium-complex greases.

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

Making Energy Efficiency Work For You

Why is Energy Efficiency Important?

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



Purchase Price is Only a Small Piece of the Pie

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

How Baldor Super-E® Efficiencies Compare to Industry Standards

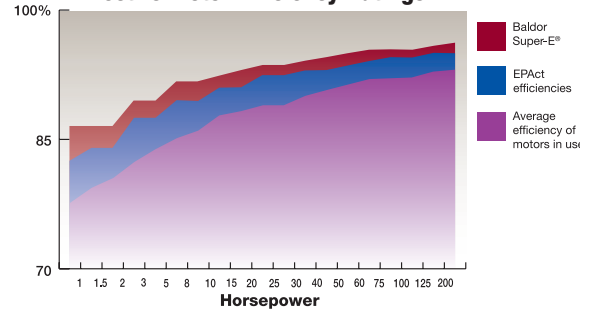
Baldor's line of Super-E motors offers customers the highest level of overall efficiencies available from any motor manufacturer, meeting or exceeding NEMA Premium® efficiency.

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

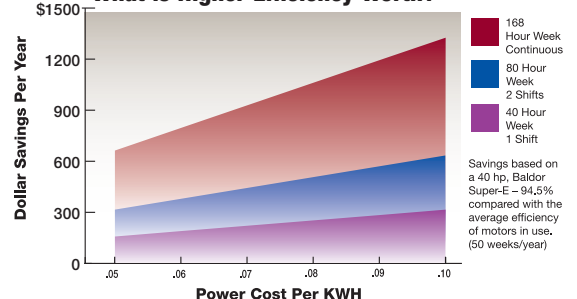
In order to make payback calculations easier for customers, Baldor developed BE\$T, Baldor Energy Savings Tool. The software helps calculate energy cost and energy savings for motors, as well as payback time frames. A popular feature of BE\$T is that it allows users to make head-to-head comparisons of 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_BE\\$T.asp](http://www.baldor.com/support/software_BE$T.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. 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. EAct efficient Severe Duty motors include CP/XT Chemical Processing motors, and Dirty Duty® motors. The chart below lists standard features (S) in Baldor Severe Duty motors. Horsepower ranges indicate where certain features are standard on stock products.

TEFC Severe Duty Motor Family				
	Premium Efficiency		Standard Efficiency	
	ECP/XEX	841XL	CP/XT	Dirty Duty®
HP Range - Stock	1 - 1000	1 - 250	1 - 250	1/2 - 10
Electrical Features				
NEMA Frame sizes	143T - 449T	143T - 449T	143T - 449	143T - 256T
NEMA Premium® Efficiency	S	S		
Class F insulation with Class B rise	S	S		
1.15 Service factor	S	S	S	S
200°C Inverter Spike Resistant Insulation System	S	S	S	S
Phase insulation	S	S	S	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				
NEMA Frame sizes	143T - 449T	143T - 449T	143T - 449T	143T - 256T
Steel Band - Cast Iron endplates, steel fan cover				S
Cast iron frame - cast iron endplates & fan cover	S	S	S	
Balance measurement pads on endplate, improved grease - through lubrication, oversize bearing on both ends of motor.		S		
Cast Iron conduit box	S	S	S	S
Threaded inlet hole in conduit box	S	S	S	S
Neoprene conduit box lid gasket & lead separator gasket	S	S	S	S
Seal endplate to frame joints	S	S	S	S
V-ring shaft seals - DE & ODE (except some 440 frame)	S		S	S
Inpro/Seal® VBX or VBXX bearing isolators - DE & ODE		S		
Same size bearings on both ends of 140 & 250T-440T frame motors using ball bearing designs	S	S	S	
Hardware - zinc plated	S	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		S		
Test vibration on DE & ODE and document - ship with motor		S		
Low bearing temperature specs (IEEE 841)		S		
.005" Foot flatness; Shaft runout < NEMA		S		
Sound power level < 90 dBA		S		
Grease inlet fitting - grease fitting				S
Grease inlet with tube extension & grease fitting	S	S	S	
Grease outlet with screw-in plug				S
Grease outlet with tube extension and automatic relief fitting	S	S	S	
PLS lubrication system 182T-449T frames (plus 140 frame on 841)	S	S	S	
Non-metallic external cooling fan	S	S	S	S
Painted with 2-part epoxy primer and epoxy finish coat	S	S	S	S
ASTM B117-90 96 hour salt spray tests	S	S	S	S
Embossed Stainless steel nameplate with NEMA data	S	S	S	S
2nd stainless steel nameplate with bearing, grease and additional data	S	S	S	
416 Stainless steel shaft extension, stainless steel hardware on Dirty Duty® Washdown				S
Complies with IEEE 45 standards for Marine Duty	S	S	S	
Warranty	3 Years	5 years	18 Months	18 Months

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

s = standard, o = optional

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

Metric Frame Severe Duty Motors

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

841XL Super-E® NEMA Premium® Efficient Motors

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



Baldor•Reliance 841XL motors feature an upgraded electrical and mechanical design. The Class F premium “Spike Resistant” insulation system meets the requirements of NEMA MG1 Part 31 for use on variable frequency control and have a low temperature rise for best variable speed performance. 841XL motors have IP56 enclosures. All bearings use the exclusive Positive Lubrication System (PLS) which channels grease directly into the bearing track and are isolated from the motors environment with Inpro/Seal® non-contact labyrinth seals on both ends. Other features include vibration pads on endplates, stainless breather drains, terminal lugs on motor leads and a grounding lug on the frame and in the oversized conduit box. All internal rotor, stator, shaft and frame surfaces are epoxy coated for corrosion protection. Embossed stainless nameplates include all required NEMA data plus weight and guaranteed minimum efficiency. 841XL motors include actual test data and a 5 year warranty.

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

Hp	kW	RPM	Frame	Catalog No.	Amps @ 460 V		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings both ends	“C” Dim.	Conn. Diag. No.	Reliance Reference No.
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.				
1	0.75	3600	143T	ECP83580T-4	1.4	12.1	1.5	80.5	83.6	84	65	77	84	6205	12.88	CD0006	—
1	0.75	3600	143TC ■	ENCP83580T-4	1.3	11.2	1.5	80.5	83.9	84.0	73	83	88	6205	12.00	CD0005	P14G7704
1	0.75	1800	143T	ECP83581T-4	1.5	15	3	84.4	87	87.5	48	60	70	6205	12.88	CD0006	—
1	0.75	1800	143TC ■	ENCP83581T-4	1.5	15.0	3.0	84.4	87.0	87.5	48	60	70	6205	12.00	CD0005	P14G7705
1	0.75	1200	145T	ECP83582T-4	1.8	9.6	4.5	82.3	84	82.5	42	55	63	6205	12.88	CD0006	P14G7706
1.5	1.1	3600	143T	ECP83583T-4	2	20.1	2.3	81.3	84.3	85.5	68	78	83	6205	12.88	CD0006	P14G7707
1.5	1.1	1800	145T	ECP83584T-4	2.1	19.7	4.46	86.7	88.6	88.5	55	68	76	6205	12.88	CD0006	P14G7708
1.5	1.1	1200	L182T	ECP83667T-4	2.4	20	6.73	84.2	86.9	87.5	47	59	67	6205/6206	17.12	416820-24	P18G3440
2	1.5	3600	145T	ECP83586T-4	2.4	24.9	3	84.4	86.4	86.5	79	87	91	6205	12.88	CD0006	P14G7709
2	1.5	1800	145T	ECP83587T-4	2.7	24.7	6	87.1	88.6	88.5	59	71	79	6205	12.88	CD0006	P14G7710
2	1.5	1200	L184T	ECP83664T-4	3	18	9	86.4	88.3	88.5	49	62	70	6205/6206	17.12	416820-24	P18G3441
3	2.2	3600	182T	ECP83660T-4	3.6	30	4.5	87.7	88.8	88.5	78	86	88	6205/6206	15.62	416820-24	P18G5296
3	2.2	1800	L182T	ECP83661T-4	4.2	32	9	88.1	89.5	89.5	55	68	76	6205/6206	17.12	416820-24	P18G3443
3	2.2	1200	213T	ECP83764T-4	4.2	31	13.4	88.4	89.7	89.5	55	68	75	6206/6207	19.31	416820-24	P21G5282
5	3.7	3600	184T	ECP83663T-4	6	44	7.5	89.2	89.6	88.5	74	84	88	6205/6206	17.12	416820-24	P18G5298
5	3.7	1800	L184T	ECP83665T-4	6.6	46	15	89.4	90.1	89.5	62	74	80	6205/6206	17.12	416820-24	P18G3444
5	3.7	1200	L215T	ECP83768T-4	6.8	46	22.5	89.7	90.2	89.5	60	71	77	6206/6207	20.19	416820-24	P21G5281
7.5	5.6	3600	213T	ECP83769T-4	8.6	62	11.2	90.6	90.9	90.2	81	87	90	6206/6207	20.19	416820-24	P21G5277
7.5	5.6	1800	L213T	ECP83770T-4	9.4	64	22.3	91.7	92.2	91.7	64	76	81	6206/6207	20.19	416820-24	P21G3394
7.5	5.6	1200	254T	ECP82276T-4	9.9	64	33.5	90.7	91.4	91	61	72	78	6309	24.56	416820-25	P25G3405
10	7.5	3600	215T	ECP83771T-4	11.1	81	15	91.6	91.9	91	87	92	93	6206/6207	19.31	416820-24	P21G5278
10	7.5	1800	L215T	ECP83774T-4	12.3	81	30	92.3	92.4	91.7	68	78	83	6206/6207	20.19	416820-24	P21G3395
10	7.5	1200	256T	ECP82332T-4	12.5	78	44.8	91.7	91.8	91	70	79	82	6309	24.56	416820-25	P25G5277
15	11.2	3600	254T	ECP82394T-4	16.8	114	22.3	92.8	93.1	91.7	85	90	91	6309	24.56	416820-25	P25G5272
15	11.2	1800	254T	ECP82333T-4	18.1	116	44.6	92.3	92.8	92.4	75	82	84	6309	24.56	416820-25	P25G5274
15	11.2	1200	284T	ECP84100T-4	18.7	113	66.7	91.9	92.7	92.4	69	78	81	6310	27.44	416820-25	P28G5280
20	14.9	3600	256T	ECP84106T-4	22.3	145	29.8	92.3	92.4	91.7	87	91	82	6309	24.56	416820-25	P25G5273
20	14.9	1800	256T	ECP82334T-4	24	145	59.6	93.5	93.6	93	74	81	84	6309	24.56	416820-25	P25G3406
20	14.9	1200	286T	ECP84102T-4	24.8	143	89.2	92.5	92.9	92.4	71	79	82	6310	27.44	416820-25	P28G5281
25	18.6	3600	284TS	ECP84107T-4	28.1	182	37	93.5	93.7	93	84	89	89	6310	26.06	416820-25	P28G5276
25	18.6	1800	284T	ECP84103T-4	29.7	182	74.1	94.1	94.2	93.6	77	83	84	6310	27.44	416820-25	P28G5278
25	18.6	1200	324T	ECP84111T-4	30.9	182	111	92.8	93.3	93	68	77	81	6311	30.44	416820-25	P32G5247
30	22.4	3600	286TS	ECP84108T-4	33.9	214	44.5	93.9	94.1	93	87	90	89	6310	26.06	416820-25	P28G5277
30	22.4	1800	286T	ECP84104T-4	36.1	217	89.1	94.1	94.2	93.6	74	81	83	6310	27.44	416820-25	P28G5279
30	22.4	1200	326T	ECP84117T-4	36.4	217	133	93.6	94	93.6	70	79	82	6311	30.44	416820-25	P32G5248
40	29.8	3600	324TS	ECP84109T-4	44.3	278	59	94.2	94.5	94.1	80	87	90	6311	28.94	416820-25	P32G5243
40	29.8	1800	324T	ECP84110T-4	47.7	287	118	94.6	94.7	94.1	73	80	83	6311	30.44	416820-25	P32G5245
40	29.8	1200	364T	ECP84308T-4	49.4	290	177	93.6	94.3	94.1	69	77	81	6313	33.44	416820-25	P36G5236
50	37.3	3600	326TS	ECP84114T-4	55.5	362	73.7	94.5	94.8	94.1	79	86	89	6311	28.94	416820-25	P32G5244
50	37.3	1800	326T	ECP84115T-4	58.4	355	148	95.1	95.1	94.5	76	82	84	6311	30.44	416820-25	P32G5246
50	37.3	1200	365T	ECP84312T-4	61.7	345	221	93.9	94.4	94.1	70	78	81	6313	33.44	416820-25	P36G5237

NOTES: ■ TENV enclosure. See page 32 for Layout drawing. See page 46 for Connection Diagrams. Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Shaded ratings are cast iron frames.

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

Hp	kW	RPM	Frame	Catalog No.	Amps @ 460 V		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings both ends	"C" Dim.	Conn. Diag. No.	Reliance Reference No.
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.				
60	44.7	3600	364TS	ECP84310T-4	65.1	398	88.5	95.3	95.5	95	88	91	91	6313	31.31	416820-25	P36G5232
60	44.7	1800	364T	ECP84314T-4	68	430	177	95.2	95.3	95	79	85	87	6313	33.44	416820-25	P36G5234
60	44.7	1200	404T	ECP84403T-4	69	425	265	94.9	95.2	95	79	84	86	6316	38.31	416820-25	P40G464
75	55.9	3600	365TS	ECP84313T-4	80.7	494	111	95.1	95.4	95	91	92	92	6313	31.31	416820-25	P36G5233
75	55.9	1800	365T	ECP84316T-4	85.9	542	221	95.7	95.8	95.4	77	84	86	6313	33.44	416820-25	P36G3365
75	55.9	1200	405T	ECP84404T-4	86.9	537	332	94.4	94.9	95	73	82	85	6316	38.31	416820-25	P40G465
100	74.6	3600	405TS	ECP84402T-4	110	695	147	94.6	95.1	95	86	89	90	6313	35.31	416820-25	P40G462
100	74.6	1800	405T	ECP84400T-4	112	725	295	95.4	95.7	95.4	83	87	87	6316	38.31	416820-25	P40G463
100	74.6	1200	444T	ECP84409T-4	115	725	442	94.7	95.2	95	77	84	86	6318	44.62	416820-25	P44G705
125	93.2	3600	444TS	ECP84412T-4	137	848	184	95.1	95.6	95.4	85	89	90	6313	40.88	416820-25	P44G701
125	93.2	1800	444T	ECP84410T-4	139	907	368	95.5	95.9	95.8	81	87	88	6318	44.62	416820-25	P44G703
125	93.2	1200	445T	ECP84411T-4	143	907	551	95.3	95.7	95.4	74	82	86	6318	44.62	416820-25	P44G706
150	111.9	3600	445TS	ECP84413T-4	164	985	220	95.9	96.4	96.2	84	87	89	6313	40.88	416820-25	P44G702
150	111.9	1800	445T	ECP84406T-4	165	1,085	441	96.3	96.5	96.2	83	88	89	6318	44.62	416820-25	P44G704
150	111.9	1200	447T	ECP844156T-4	173	1,046	662	95.5	96.0	96.2	76	82	84	6318	47.74	416820-25	P44G5259
200	149.1	3600	447TS	ECP84416T-4	173	1,350	294	95.9	96.4	96.2	80	86	88	6313	49	416820-25	P44G707
200	149.1	1800	447T	ECP84407T-4	221	1,450	589	96	96.3	96.2	84	88	88	6318	48.4	416820-25	P44G5261
200	149.1	1200	449T	ECP844206T-4	223	1,450	884	96.4	96.5	96.2	81	86	87	6318	53.4	416820-25	P44G5260
250	186.4	3600	449TS	ECP844252T-4	267	1,651	367	96.2	96.5	96.2	89	91	91	6313	49.65	416820-25	P44G708
250	186.4	1800	449T	ECP84408T-4	179	1,825	736	96.6	96.2	96.2	86	89	89	6318	52.68	416820-25	—
250	186.4	1200	449T	ECP844256T-4	283	1,827	1104	96.3	96.5	96.2	74	82	86	6318	53.4	416820-25	—

Stock Ratings with Roller Bearings

150	111.9	1200	447T	ECP844156TR-4	174	1,046	662	95.5	96.0	96.2	76	82	84	6318/NU222	48.13	416820-25	P44G711
200	149.1	1800	447T	ECP84407TR-4	221	1,450	589	96	96.3	96.2	84	88	88	6318/NU222	48.87	416820-25	P44G709
200	149.1	1200	449T	ECP844206TR-4	223	1,450	884	96.4	96.5	96.2	81	86	87	6318/NU222	53.4	416820-25	P44G712
250	186.4	1800	449T	ECP84408TR-4	283	1,825	736	96.6	96.2	96.2	86	89	89	6318/NU222	53.4	416820-25	P44G710

NOTES: See page 32 for Layout drawing. See page 46 for Connection Diagrams. Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Shaded ratings are cast iron frames.

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

Hp	kW	RPM	Frame	Catalog No.	Amps @ 460 V		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings both ends	"C" Dim.	Conn. Diag. No.	Reliance Reference No.
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.				
1	0.75	3600	143TC ■	VENCP83580T-4	1.3	11.2	1.5	80.5	83.9	84.0	73	83	88	6205	12.00	CD0006	P14G7726
1	0.75	1800	143TC ■	VENCP83581T-4	1.5	15.0	3.0	84.4	87.0	87.5	48	60	70	6205	12.00	CD0006	P14G7727
1.5	1.1	3600	143TC	VECP83583T-4	2.0	20.1	2.3	81.3	84.3	85.5	68	78	83	6205	14.56	CD0006	P14G7729
1.5	1.1	1800	145TC	VECP83584T-4	2.1	19.7	4.5	86.7	88.6	88.5	55	68	76	6205	14.56	CD0006	P14G7730
2	1.5	3600	145TC	VECP83586T-4	2.4	24.9	3.0	84.4	86.4	86.5	79	87	91	6205	14.56	CD0006	P14G7731
2	1.5	1800	145TC	VECP83587T-4	2.7	19.6	6.0	88.1	88.1	86.5	66	77	82	6205	14.56	CD0006	P14G7732
3	2.2	3600	182TC	VECP83660T-4	3.6	30.0	4.5	87.7	88.8	88.5	78	85	88	6206/6205	17.88	416820-24	P18G1179
3	2.2	1800	L182TC	VECP83661T-4	4.2	32.0	9.0	88.1	89.5	89.5	55	68	76	6206/6205	17.88	416820-24	P18G1175
5	3.7	3600	184TC	VECP83663T-4	6.0	44.0	7.5	89.2	89.6	88.5	74	84	88	6206/6205	17.88	416820-24	P18G1180
5	3.7	1800	L184TC	VECP83665T-4	6.6	46.0	15.5	89.4	90.1	89.5	62	74	80	6206/6205	17.88	416820-24	P18G1176
7.5	5.6	3600	213TC	VECP83769T-4	8.6	62.0	11.2	90.6	90.9	90.2	81	87	90	6207/6206	20.94	416820-24	P21G1154
7.5	5.6	1800	L213TC	VECP83770T-4	9.4	63.5	22.3	91.7	82.2	91.7	64	76	81	6207/6206	20.94	416820-25	P21G1150
10	7.5	3600	215TC	VECP83771T-4	11.1	91.2	15.0	91.6	91.9	91.0	87	92	94	6207/6206	20.94	416820-24	P21G1155
10	7.5	1800	L215TC	VECP83774T-4	11.9	79.9	39.9	90.8	91.0	90.2	78	85	87	6207/6206	20.94	416820-25	P21G1155
15	11.2	3600	254TC	VECP82394T-4	16.8	114	22.3	92.8	93.1	92.4	85	90	91	6309	25.06	416820-25	P25G1144
15	11.2	1800	254TC	VECP82333T-4	18.1	116	44.6	92.3	92.8	92.4	75	82	84	6309	25.06	416820-25	P25G1140
20	14.9	3600	256TC	VECP84106T-4	22.3	145	29.8	92.3	92.4	91.7	87	91	91	6309	25.06	416820-25	P25G1145
20	14.9	1800	256C	VECP82334T-4	24.0	145	59.6	92.7	93.1	92.4	76	82	84	6309	25.06	416820-25	P25G1141

NOTES: ■ TENV enclosure. See page 34 for Layout drawing. See page 46 for Connection Diagrams. Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Shaded ratings are cast iron frames.

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



Hp	kW	RPM	Frame	Catalog No.	Amps @ 460 V		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings both ends	"C" Dim.	Conn. Diag. No.	Reliance Reference No.
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.				
20	14.9	3600	324TS	ECP84106T-5	17.8	116	29.8	93.6	93.1	91.7	86	90	91	6309	24.56	416820-25	P25G5279
20	14.9	1800	256T	ECP82334T-5	19.2	116	59.6	92.7	93.1	92.4	76	82	84	6309	24.56	416820-24	P25G5281
20	14.9	1200	286T	ECP84102T-5	19.8	114	89.2	92.5	92.9	92.4	71	79	82	6310	27.86	416820-25	P28G5287
25	18.6	3600	284TS	ECP84107T-5	22.4	146	37	93.5	93.7	93	84	89	89	6310	26.06	416820-25	P28G5282
25	18.6	1800	284T	ECP84103T-5	23.7	145	74.1	92.7	93.3	93.6	78	84	85	6310	27.44	416820-25	P28G5284
25	18.6	1200	324T	ECP84111T-5	24.7	146	111	92.8	93.3	93	68	77	81	6311	30.44	416820-25	P32G5253
30	22.4	3600	286TS	ECP84108T-5	27.1	171	44.5	93.9	94.1	93	87	90	89	6310	26.06	416820-24	P28G5283
30	22.4	1800	286T	ECP84104T-5	28.8	174	89.1	94.1	94.2	93.6	74	81	83	6310	27.44	416820-24	P28G5285
30	22.4	1200	326T	ECP84117T-5	29.1	174	133	93.6	94	93.6	70	79	82	6311	30.44	416820-24	P32G5254
40	29.8	3600	324TS	ECP84310T-5	35.4	222	59.0	92.4	94.5	94.1	80	87	90	6311	28.94	416820-25	P32G5249
40	29.8	1800	324T	ECP84110T-5	38.1	230	118	94.6	94.7	94.1	73	81	84	6311	30.44	416820-25	P32G5251
40	29.8	1200	364T	ECP84308T-5	39.5	232	177	93.6	94.3	94.1	69	77	81	6313	33.44	416820-25	P36G5244
50	37.3	3600	326TS	ECP84114T-5	44.4	290	73.7	94.5	94.8	94.1	79	86	89	6311	28.94	416820-25	P32G5250
50	37.3	1800	326T	ECP84115T-5	47	284	148	95.1	95.1	94.5	76	82	84	6311	30.44	416820-24	P32G5252
50	37.3	1200	365T	ECP84312T-5	49.3	284	221	93.9	94.4	94.1	70	79	81	6313	33.44	416820-25	P36G5245
60	44.7	3600	364TS	ECP84310T-5	52	318	88.5	95.3	95.5	95	88	91	91	6313	31.31	416820-25	P36G5240
60	44.7	1800	364T	ECP84314T-5	54.4	344	177	95.2	95.3	95	79	85	87	6313	33.44	416820-25	P36G5242
60	44.7	1200	404T	ECP84403T-5	55.2	340	265	94.9	95.2	95	79	84	86	6316	38.31	416820-25	P40G475
75	55.9	3600	365TS	ECP84313T-5	64.5	395	111	95.1	95.4	95	91	92	92	6313	31.31	416820-24	P36G5241
75	55.9	1800	365T	ECP84316T-5	68.8	434	221	95.7	95.8	95.4	77	84	86	6313	33.44	416820-25	P36G5243
75	55.9	1200	405T	ECP84404T-5	69.5	430	332	94.4	94.9	95	73	82	85	6316	38.31	416820-24	P40G476
100	74.6	3600	405TS	ECP84402T-5	88	556	147	94.6	95.1	95	85.6	89	90	6313	35.31	416820-25	P40G473
100	74.6	1800	405T	ECP84400T-5	89.6	580	295	95.4	95.7	95.4	83	87	88	6316	38.31	416820-24	P40G474
100	74.6	1200	444T	ECP84409T-5	92	580	442	94.7	95.2	95	77	84	86	6318	44.62	416820-25	P44G727
125	93.2	3600	444TS	ECP84412T-5	109	678	184	94.7	95.4	95.4	86	90	90	6313	40.88	416820-25	P44G723
125	93.2	1800	444T	ECP84410T-5	111	726	368	95.5	95.9	95.8	81	87	88	6318	44.62	416820-25	P44G725
125	93.2	1200	445T	ECP84411T-5	114	726	551	95.3	95.7	95.4	74	82	86	6318	44.62	416820-25	P44G728
150	111.9	3600	445TS	ECP84413T-5	131	784	220	95.9	96.4	96.2	83	88	89	6313	40.88	416820-25	P44G724
150	111.9	1800	445T	ECP84406T-5	132	868	441	96.3	96.5	96.2	83	88	89	6318	44.62	416820-25	P44G726
200	149.1	3600	445TS	ECP84416T-5	177	1080	294	95.9	96.4	96.2	80	86	88	6313	40.88	416820-25	P44G729
200	149.1	1800	447T	ECP84407T-5	176	1160	589	96	96.3	96.2	84	88	88	6318	48.4	416820-25	P44G5264
250	186.4	3600	449TS	ECP844252T-5	213	1321	367	96.2	96.5	96.2	89	91	91	6313	49.37	416820-25	P44G730
250	186.4	1800	449T	ECP84408T-5	218	1460	736	96.6	96.7	96.2	86	89	89	6318	53.13	416820-25	—

Stock Ratings with Roller Bearings

150	111.9	1200	447T	ECP844156TR-5	140	837	662	95.5	96	96.2	76	82	84	6318/NU222	48.13	416820-25	P44G733
200	149.1	1800	447T	ECP84407TR-5	176	1160	589	96	96.3	96.2	84	88	88	6318/NU222	48.13	416820-25	P44G731
200	149.1	1200	449T	ECP844206TR-5	178	1160	884	96.4	96.5	96.2	81	86	87	6318/NU222	53.13	416820-25	P44G734
250	186.4	1800	449T	ECP84408TR-5	217	1460	736	96.6	96.7	96.2	86	89	89	6318/NU222	53.13	416820-25	P44G732

NOTES: See page 32 for Layout drawing. See page 46 for Connection Diagrams.

Shaded ratings are cast iron frames.

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

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



Hp	kW	RPM	Frame	Catalog No.	Amps @ 460 V		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings both ends	"C" Dim.	Conn. Diag. No.	Reliance Reference No.
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.				
2	1.5	1800	145TC	CECP83587T-5	2.2	15.7	6.0	88.1	88.1	86.5	66	77	82	6205	13.88	CD0006	P14G7761
3	2.2	1800	L182TC	CECP83661T-5	3.3	25.6	8.9	88.1	89.5	89.5	55	68	76	6206/6205	15.62	416820-24	P18G1185
5	3.7	1800	L184TC	CECP83665T-5	5.3	36.8	15	89.4	90.1	89.5	62	74	80	6206/6205	17.12	416820-24	P18G1186
7.5	5.6	1800	L213TC	CECP83770T-5	7.2	49.6	22.4	90.6	91.0	90.2	77	84	86	6207/6206	19.31	416820-25	P21G1160
10	7.5	1800	L215TC	CECP83774T-5	9.8	64.8	29.8	62.3	92.4	91.7	68	79	83	6207/6206	20.19	416820-25	P21G1161
15	11.2	1800	254TC	CECP82333T-5	14.4	92.8	44.6	62.3	92.8	92.4	75	82	84	6309	24.56	416820-25	P25G1148
20	14.9	1800	256TC	CECP82334T-5	19.2	116	59.6	92.7	93.1	92.4	76	82	84	6309	24.56	416820-25	P25G1149
25	18.6	1800	284TC	CECP84103T-5	23.7	145	74.1	92.7	93.3	93.6	78	84	85	6310	27.44	416820-25	P28G1079
30	22.4	1800	286TC	CECP84104T-5	28.8	174	89.1	94.1	94.2	93.6	74	81	83	6310	27.44	416820-24	P28G1080
40	29.8	1800	324TC	CECP84114T-5	38.1	230	118	94.6	94.7	94.1	73	81	84	6311	30.44	416820-25	P32G1060
50	37.3	1800	326TC	CECP84115T-5	47	284	148	95.1	95.1	94.5	76	82	84	6311	30.44	416820-24	P32G1061

NOTES: See page 33 for Layout drawing. See page 46 for Connection Diagrams.

Shaded ratings are cast iron frames.

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

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



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

Hp	kW	RPM	Frame	Catalog No.	Amps @ 460 V		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		"C" Dim.	Conn. Diag. No.	Reliance Reference No.
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.	ODE	DE			
5	3.7	1800	L184T	ECP63665TR-4	6.6	46	15	89.4	90.1	89.5	62	74	80	6205	6206	17.12	416820-24	P18G3452
7.5	5.6	1800	L213T	ECP63770TR-4	9.4	63.5	22.3	91.7	92.2	91.7	64	76	81	6206	NU6207	19.31	416820-25	P21G3402
10	7.5	1800	L215T	ECP63774TR-4	12.3	81	30	92.3	92.4	91.7	68	78	83	6206	NU6207	20.19	416820-24	P21G3400
15	11.2	1800	254T	ECP62333TR-4	18.1	116	44.6	92.3	92.8	92.4	75	82	84	6309	NU6309	24.56	416820-25	P25G3409
20	14.9	1800	256T	ECP62334TR-4	24	145	59.6	93.5	93.6	93	74	81	84	6309	NU6309	24.56	416820-25	P25G3410
25	18.6	1800	284T	ECP64103TR-4	29.7	182	74.1	94.1	94.2	93.6	77	83	84	6310	NU63010	27.86	416820-25	P28G3410
30	22.4	1800	286T	ECP64104TR-4	36.1	217	89.1	94.1	94.2	93.6	74	81	83	6310	NU63010	27.86	416820-25	P28G3411
40	29.8	1800	324T	ECP64110TR-4	47.7	287	118	94.6	94.7	94.1	73	80	83	6311	NU6311	30.44	416820-25	P32G3418
50	37.3	1800	326T	ECP64115TR-4	58.4	355	148	95.1	95.1	94.5	76	82	84	6311	NU6311	30.44	416820-25	P32G3419
60	44.7	1800	364T	ECP64314TR-4	68	430	177	95.2	95.3	95	79	85	87	6313	NU6313	33.44	416820-25	P36G3368
75	55.9	1800	365T	ECP64316TR-4	85.9	542	221	95.7	95.8	95.4	77	84	86	6313	NU6313	33.44	416820-25	P36G3369

NOTES: See page 32 for Layout drawing. See page 46 for Connection Diagrams.
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 NEMA Premium® Efficient Motors

Designed to meet the demanding application requirements typically found in severe duty processing environments. Baldor•Reliance Super-E, ECP motors have XEX features including all cast iron frame construction with oversized and rotatable cast iron conduit box. All bearings use the exclusive Positive Lubrication System (PLS) which channels grease directly into the bearing track. The Class F premium "Spike Resistant" insulation system meets the requirements of NEMA MG 1 Part 31 for use on variable frequency control. All internal surfaces are epoxy coated for corrosion protection.



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

Hp	kW	RPM	Frame	Catalog No.	Amps		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings both ends	"C" Dim.	Conn. Diag. No.	Reliance Reference No.
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.				
1	0.75	3600	143T	ECP3580T-4	1.4	12.1	1.5	80.5	83.6	84	65	77	84	6205	12.88	CD0006	P14G7504
1	0.75	3600	143TC ■	ENCP3580T-4	1.3	11.2	1.5	80.5	83.9	84.0	73	83	88	6205	11.37	CD0006	—
1	0.75	1800	143T	ECP3581T-4	1.5	14.0	3	83.8	86.2	87.5	58	72	78	6205	12.88	CD0006	—
1	0.75	1800	143TC ■	ENCP3581T-4	1.5	15	3.0	84.4	87.0	87.5	48	60	70	6205	11.37	CD0006	—
1	0.75	1200	145T	ECP3582T-4	1.8	9.6	4.5	82.3	84	82.5	42	55	63	6205	12.88	CD0006	—
1	0.75	900	L182T	ECP3687T-4	1.75	9.2	6	80.2	83.1	82.5	43	56	64	6205/6206	17.12	416820-24	P18G3412
1 1/2	1.1	3600	143T	ECP3583T-4	2	20.1	2.3	81.3	84.3	85.5	68	78	83	6205	12.88	CD0006	P14G7507
1 1/2	1.1	1800	145T	ECP3584T-4	2.1	19.7	4.5	86.7	88.6	88.5	55	68	76	6205	12.88	CD0006	—
1 1/2	1.1	1200	182T	ECP3667T-4	2.4	20	6.8	84.2	86.9	87.5	47	59	67	6205/6206	15.62	416820-24	P18G4221
1 1/2	1.1	900	L184T	ECP3668T-4	2.4	13.4	9	83.5	85.3	84	48	60	68	6205/6206	17.12	416820-24	P18G3413
2	1.5	3600	145T	ECP3586T-4	2.5	30	3	83.8	86.2	86.5	70	80	85	6205	12.88	CD0006	P14G7509
2	1.5	1800	145T	ECP3587T-4	2.7	24.7	5.95	87.1	86.6	88.5	59	71	79	6205	12.88	CD0006	—
2	1.5	1200	L184T	ECP3664T-4	2.8	18	9	86.4	88.3	88.5	49	62	70	6205/6206	17.12	416820-24	P18G4274
2	1.5	900	L213T	ECP3772T-4	3.2	16.8	12.2	85.3	86.8	86.4	48	61	69	6206/6207	20.19	416820-24	P21G3371
3	2.2	3600	182T	ECP3660T-4	3.6	30	4.5	87.7	88.8	88.5	78	86	88	6205/6206	15.62	416820-24	P18G4009
3	2.2	1800	182T	ECP3661T-4	4.2	32	9	88.1	89.5	89.5	55	68	76	6205/6206	15.62	416820-24	P18G3339
3	2.2	1200	213T	ECP3764T-4	4.2	31	13.4	88.4	89.7	89.5	55	68	75	6206/6207	19.31	416820-24	P21G4221
3	2.2	900	L215T	ECP3775T-4	4.7	25	18.3	85.4	86.3	85.5	51	63	70	6206/6207	20.19	416820-24	P21G3372
5	3.7	3600	184T	ECP3663T-4	6	44	7.5	89.2	89.6	88.5	74	84	88	6205/6206	15.62	416820-24	P18G4062
5	3.7	1800	L184T	ECP3665T-4	6.6	46	15	89.4	90.1	89.5	62	74	80	6205/6206	17.12	416820-24	P18G3340
5	3.7	1200	L215T	ECP3768T-4	6.8	46	22.5	89.7	90.2	89.5	60	71	77	6206/6207	20.19	416820-24	P21G4274
5	3.7	900	254T	ECP2280T-4	7.3	46	29.8	88.2	89.6	89.5	53	65	72	6309	24.56	416820-24	P25G483
7.5	5.6	3600	213T	ECP3769T-4	8.6	62	11.2	90.6	90.9	90.2	81	87	90	6206/6207	19.31	416820-24	P21G4009
7.5	5.6	1800	L213T	ECP3770T-4	9.4	64	22.3	91.7	92.2	91.7	64	76	81	6206/6207	20.19	416820-24	P21G418
7.5	5.6	1200	254T	ECP2276T-4	9.9	64	33.5	90.7	91.4	91	61	72	78	6309	24.56	416820-25	P25G466
7.5	5.6	900	256T	ECP2401T-4	10.5	62	44.8	89.5	90.5	90.2	57	68	74	6309	24.56	416820-24	P25G484
10	7.5	3600	215T	ECP3771T-4	11.1	81	15	91.6	91.9	91	87	92	93	6206/6207	19.31	416820-24	P21G4062
10	7.5	1800	L215T	ECP3774T-4	12.3	81	30	92.3	92.4	91.7	68	78	83	6206/6207	20.19	416820-24	P21G419
10	7.5	1200	256T	ECP2332T-4	12.5	78	44.8	91.7	91.8	91	70	79	82	6309	24.56	416820-25	P25G467
10	7.5	900	284T	ECP2402T-4	13.7	81	59.4	89.6	90.7	91	60	70	76	6310	27.44	416820-24	P28G487
15	11.2	3600	254T	ECP2394T-4	16.8	114	22.3	92.8	93.1	91.7	85	90	91	6309	24.56	416820-25	P25G397
15	11.2	1800	254T	ECP2333T-4	18.1	116	44.6	92.3	92.8	92.4	75	82	84	6309	24.56	416820-25	P25G3311
15	11.2	1200	284T	ECP4100T-4	18.7	113	66.7	91.9	92.7	92.4	69	78	81	6310	27.44	416820-25	P28G466
15	11.2	900	286T	ECP2395T-4	20	109	89.4	90.9	91.3	90.7	65	74	78	6310	27.44	416820-25	P28G488
20	14.9	3600	256T	ECP4106T-4	22.3	145	29.8	92.3	92.4	91.7	87	91	82	6309	24.56	416820-25	P25G398
20	14.9	1800	256T	ECP2334T-4	24	145	59.6	93.5	93.6	93	74	81	84	6309	24.56	416820-25	P25G3312
20	14.9	1200	286T	ECP4102T-4	24.8	143	89.2	92.5	92.9	92.4	71	79	82	6310	27.44	416820-25	P28G467
20	14.9	900	324T	ECP4112T-4	26.5	140	119	92	92.3	91.6	61	72	77	6311	30.44	416820-24	P32G483
25	18.6	3600	284TS	ECP4107T-4	28.1	182	37	93.5	93.7	93	84	89	89	6310	26.06	416820-25	P28G397
25	18.6	1800	284T	ECP4103T-4	29.7	182	74.1	94.1	94.2	93.6	77	83	84	6310	27.44	416820-25	P28G3313
25	18.6	1200	324T	ECP4111T-4	30.9	182	111	92.8	93.3	93	68	77	81	6311	30.44	416820-25	P32G466
30	22.4	3600	286TS	ECP4108T-4	33.9	214	44.5	93.9	94.1	93	87	90	89	6310	26.06	416820-25	P28G398
30	22.4	1800	286T	ECP4104T-4	36.1	217	89.1	94.1	94.2	93.6	74	81	83	6310	27.44	416820-25	P28G3314
30	22.4	1200	326T	ECP4117T-4	36.4	217	133	93.6	94	93.6	70	79	82	6311	30.44	416820-25	P32G467
40	29.8	3600	324TS	ECP4109T-4	44.3	278	59	94.2	94.5	94.1	80	87	90	6311	28.94	416820-25	P32G397
40	29.8	1800	324T	ECP4110T-4	47.7	287	118	94.6	94.7	94.1	73	80	83	6311	30.44	416820-25	P32G3320
40	29.8	1200	364T	ECP4308T-4	49	290	177	93.6	94.3	94.1	69	77	81	6313	33.44	416820-25	P36G466
50	37.3	3600	326TS	ECP4114T-4	55.5	362	73.7	94.5	94.8	94.1	79	86	89	6311	28.94	416820-25	P32G398
50	37.3	1800	326T	ECP4115T-4	58.4	355	148	95.1	95.1	94.5	76	82	84	6311	30.44	416820-25	P32G3319
50	37.3	1200	365T	ECP4312T-4	61	345	221	93.9	94.4	94.1	70	78	81	6313	33.44	416820-25	P36G467

NOTES: ■ TENV enclosure. See page 35 for Layout drawing. See page 46 for Connection Diagrams. Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Shaded ratings are cast iron frames.

Super-E® ECP/XEX TEFC - Totally Enclosed Fan Cooled - Foot Mounted, 460 Volts only, Three Phase, 60 - 400 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings both ends	"C" Dim.	Conn. Diag. No.	Reliance Reference No.
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.				
60	44.7	3600	364TS	ECP4310T-4	65.1	398	88.5	95.3	95.5	95	88	91	91	6313	31.31	416820-25	P36G397
60	44.7	1800	364T	ECP4314T-4	68	430	177	95.2	95.3	95	79	85	87	6313	33.44	416820-25	P36G3304
60	44.7	1200	404T	ECP4403T-4	69	425	265	94.9	95.2	95	79	84	86	6316	38.31	416820-25	P40G242
75	55.9	3600	365TS	ECP4313T-4	80.7	494	111	95.1	95.4	95	91	92	92	6313	31.31	416820-25	P36G398
75	55.9	1800	365T	ECP4316T-4	85.9	542	221	95.7	95.8	95.4	77	84	86	6313	33.44	416820-25	P36G3305
75	55.9	1200	405T	ECP4404T-4	86.9	537	332	94.4	94.9	95	73	82	85	6316	38.31	416820-25	P40G243
100	74.6	3600	405TS	ECP4402T-4	110	695	147	94.6	95.1	95	86	89	90	6313	35.31	416820-25	P40G241
100	74.6	1800	405T	ECP4400T-4	112	725	295	95.4	95.7	95.4	83	87	87	6316	38.31	416820-25	P40G240
100	74.6	1800	405TS	ECP4400TS-4	112	725	295	95.4	95.7	95.4	83	87	87	6316	35.31	416820-25	P40G305
100	74.6	1200	444T	ECP4409T-4	115	725	442	94.7	95.2	95	77	84	86	6318	44.62	416820-25	P44G364
125	93.2	3600	444TS	ECP4412T-4	137	848	184	95.1	95.6	95.4	85	89	90	6313	40.88	416820-25	P44G362
125	93.2	1800	444T	ECP4410T-4	139	907	368	95.5	95.9	95.8	81	87	88	6318	44.62	416820-25	P44G359
125	93.2	1200	445T	ECP4411T-4	143	907	551	95.3	95.7	95.4	74	82	86	6318	44.62	416820-25	P44G365
150	111.9	3600	445TS	ECP4413T-4	164	985	220	95.9	96.4	96.2	84	87	89	6313	40.88	416820-25	P44G363
150	111.9	1800	445T	ECP4406T-4	165	1,085	441	96.3	96.5	96.2	83	88	89	6318	44.62	416820-25	P44G360
150	111.9	1200	445T	ECP44156T-4	170	1,085	662	95.4	95.7	95.4	75	83	86	6318	48.4	416820-25	P44G1747
200	149.1	3600	445TS	ECP44202T-4	222	1,350	294	95.7	96.2	95.4	87	91	88	6313	40.88	416820-25	P44G5634
200	149.1	3600	447TS	ECP4416T-4	220	1,350	294	95.9	96.4	96.2	80	86	88	6313	43.99	416820-25	—
200	149.1	1800	447T	ECP4407T-4	221	1,450	589	96	96.3	96.2	84	88	88	6318	48.4	416820-25	—
200	149.1	1800	447TS	ECP4407TS-4	221	1,450	589	96	96.3	96.2	84	88	88	6318	44.65	416820-25	P44G5153
200	149.1	1200	449T	ECP44206T-4	223	1,450	884	96.4	96.5	96.2	81	86	87	6318	53.4	416820-25	—
250	186.4	3600	447TS	ECP44252T-4	275	1,639	368	95.8	96.3	96.2	83	87	88	6313	44.65	416820-25	P44G5197
250	186.4	1800	449T	ECP4408T-4	272	1,825	736	96.6	96.2	96.2	86	89	89	6318	53.4	416820-25	—
250	186.4	1200	449T	ECP44256T-4	283	1,827	1104	96.3	96.5	96.2	74	82	86	6318	53.4	416820-25	—
300	223.7	3600	449TS	ECP44302T-4	326	2,019	441	95.8	96.3	96.2	87	89	90	6313	49.65	416820-25	P44G5183
300	223.7	1800	449T	ECP44304T-4	326	2,191	883	96.7	96.8	96.5	87	89	89	6318	53.4	416820-25	—
350	261	3600	449TS	ECP44352T-4	375	2,496	515	95.7	96.2	96.2	89	91	91	6318	49.65	416820-25	P44G5184
350	261	1800	449T	ECP44354T-4	392	2,545	1,031	96.2	96.5	96.2	82	86	87	6318	53.4	416820-25	—
350	261	1200	5011LY	ECP50356L-4	386	—	—	—	—	95.8	—	—	88	6222/6324	72.05	CD0006	—
400	298	3600	449TS	ECP44402T-4	435	3,750	587	96	96.5	96.5	80	87	89	6318	49.65	416820-25	P44G5265
400	298	1800	L449T	ECP44404T-4	442	2,812	1,179	95.9	96.2	95.8	85	88	88	6318	60.13	416820-25	—

Stock Ratings with Roller Bearings

150	111.9	1200	447T	ECP44156TR-4	173	1,046	662	95.5	96.0	96.2	76	82	84	6318/NU222	48.4	416820-25	P44G5141
200	149.1	1800	447T	ECP4407TR-4	221	1,450	589	96	96.3	96.2	84	88	88	6318/NU222	48.4	416820-25	P44G5138
200	149.1	1200	449T	ECP44206TR-4	223	1,450	884	96.4	96.5	96.2	81	86	87	6318/NU222	53.4	416820-25	P44G5142
250	186.4	1800	449T	ECP4408TR-4	272	1,825	736	96.6	96.2	96.2	86	89	89	6318/NU222	53.4	416820-25	P44G5139
250	186.4	1200	449T	ECP44256TR-4	283	1,827	1,104	96.3	96.5	96.2	74	82	86	6318/NU222	53.4	416820-25	P44G5182
300	223.7	1800	449T	ECP44304TR-4	326	2,191	883	96.7	96.8	96.5	87	89	89	6318/NU222	53.4	416820-25	P44G5140

NOTES: See page 35 for Layout drawing. See page 46 for Connection Diagrams. Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Shaded ratings are cast iron frames.

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

Hp	kW	RPM	Frame	Catalog No.	Amps @ 460 V		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings both ends	"C" Dim.	Conn. Diag. No.	Reliance Reference No.
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.				
1	0.75	1800	143T	ECP3581T	1.5	14.0	3	83.8	86.2	87.5	58	72	78	6205	12.88	CD0006	P14G7505
1	0.75	1200	145T	ECP3582T	1.8	9.6	4.5	82.3	84	82.5	42	55	63	6205	12.88	CD0006	P14G7506
1 1/2	1 1/9	1800	145T	ECP3584T	2.1	19.7	4.5	86.7	88.6	88.5	55	68	76	6205	12.88	CD0006	P14G7508
1 1/2	1 1/9	1200	182T	ECP3667T	2.4	20	6.8	84.2	86.9	87.5	47	59	67	6205/6206	15.62	416820-1	P18G3435
2	1.5	1800	145T	ECP3587T	2.7	24.7	5.95	87.1	86.6	88.5	59	71	79	6205	12.88	CD0006	P14G7510
2	1.5	1200	L184T	ECP3664T	2.8	18	9	86.4	88.3	88.5	49	62	70	6205/6206	17.12	416820-1	P18G3436
3	2.2	3600	182T	ECP3660T	3.6	30	4.5	87.7	88.8	88.5	78	86	88	6205/6206	15.62	416820-1	P18G3345
3	2.2	1800	L182T	ECP3661T	4.2	32	9	88.1	89.5	89.5	55	68	76	6205/6206	17.12	416820-1	P18G3437
3	2.2	1200	213T	ECP3764T	4.2	31	13.4	88.4	89.7	89.5	55	68	75	6206/6207	19.31	416820-1	P21G3321
5	3.7	3600	184T	ECP3663T	6	44	7.5	89.2	89.6	88.5	74	84	88	6205/6206	15.62	416820-1	P18G3347
5	3.7	1800	L184T	ECP3665T	6.6	46	15	89.4	90.1	89.5	62	74	80	6205/6206	17.12	416820-1	P18G3438
5	3.7	1200	L215T	ECP3768T	6.8	46	22.5	89.7	90.2	89.5	60	71	77	6206/6207	20.19	416820-1	P21G3315
7.5	5.6	3600	213T	ECP3769T	8.6	62	11.2	90.6	90.9	90.2	81	87	90	6206/6207	19.31	416820-1	P21G3317
7.5	5.6	1800	L213T	ECP3770T	9.4	64	22.3	91.7	92.2	91.7	64	76	81	6206/6207	20.19	416820-1	P21G3392
7.5	5.6	1200	254T	ECP2276T	9.9	64	33.5	90.7	91.4	91	61	72	78	6309	24.56	416820-2	P25G3403
10	7.5	3600	215T	ECP3771T	11.1	81	15	91.6	91.9	91	87	92	93	6206/6207	19.31	416820-1	P21G3319
10	7.5	1800	L215T	ECP3774T	12.3	81	30	92.3	92.4	91.7	68	78	83	6206/6207	20.19	416820-2	P21G3393
10	7.5	1200	256T	ECP2332T	12.5	78	44.8	91.7	91.8	91	70	79	82	6309	24.56	416820-2	P25G3321
15	11.2	3600	254T	ECP2294T	16.8	114	22.3	92.8	93.1	91.7	85	90	91	6309	24.56	416820-2	P25G403
15	11.2	1800	254T	ECP2333T	18.1	116	44.6	92.3	92.8	92.4	75	82	84	6309	24.56	416820-2	P25G3316
15	11.2	1200	284T	ECP4100T	18.7	113	66.7	91.9	92.7	92.4	69	78	81	6310	27.44	416820-2	P28G3319
20	14.9	3600	256T	ECP4106T	22.3	145	29.8	92.3	92.4	91.7	87	91	82	6309	24.56	416820-2	—
20	14.9	1800	256T	ECP2334T	24	145	59.6	93.5	93.6	93	74	81	84	6309	24.56	416820-2	P25G3404
20	14.9	1200	286T	ECP4102T	24.8	143	89.2	92.5	92.9	92.4	71	79	82	6310	27.44	416820-2	P28G3320
25	18.6	3600	284TS	ECP4107T	28.1	182	37	93.5	93.7	93	84	89	89	6310	26.06	416820-2	P28G3399
25	18.6	1800	284T	ECP4103T	29.7	182	74.1	94.1	94.2	93.6	77	83	84	6310	27.44	416820-2	P28G3315
25	18.6	1200	324T	ECP4111T	30.9	182	111	92.8	93.3	93	68	77	81	6311	30.44	416820-2	P32G3327
30	22.4	3600	286TS	ECP4108T	33.9	214	44.5	93.9	94.1	93	87	90	89	6310	26.06	416820-2	P28G400
30	22.4	1800	286T	ECP4104T	36.1	217	89.1	94.1	94.2	93.6	74	81	83	6310	27.44	416820-2	P28G3316
30	22.4	1200	326T	ECP4117T	36.4	217	133	93.6	94	93.6	70	79	82	6311	30.44	416820-2	P32G3328
40	29.8	3600	324TS	ECP4109T	44.3	278	59	94.2	94.5	94.1	80	87	90	6311	28.94	416820-2	P32G3399
40	29.8	1800	324T	ECP4110T	47.7	287	118	94.6	94.7	94.1	73	80	83	6311	30.44	416820-2	P32G3323
40	29.8	1200	364T	ECP4308T	49	290	177	93.6	94.3	94.1	69	77	81	6313	32.84	416820-2	P36G3314
50	37.3	3600	326TS	ECP4114T	55.5	362	73.7	94.5	94.8	94.1	79	86	89	6311	28.94	416820-2	P32G400
50	37.3	1800	326T	ECP4115T	58.4	355	148	95.1	95.1	94.5	76	82	84	6311	30.44	416820-2	P32G3324
50	37.3	1200	365T	ECP4312T	61	345	221	93.9	94.4	94.1	70	78	81	6313	32.84	416820-2	P36G3315
60	44.7	3600	364TS	ECP4310T	65.1	398	88.5	95.3	95.5	95	88	91	91	6313	31.31	416820-2	P36G401
60	44.7	1800	364T	ECP4314T	69	430	177	95.2	95.3	95	79	85	87	6313	32.84	416820-2	P36G3310
60	44.7	1200	404T	ECP4403T	69	425	265	94.9	95.2	95	79	84	86	6316	38.03	416820-2	P40G274
75	55.9	3600	365TS	ECP4313T	80.7	494	111	95.1	95.4	95	91	92	92	6313	31.31	416820-2	P36G402
75	55.9	1800	365T	ECP4316T	85.9	542	221	95.7	95.8	95.4	77	84	86	6313	33.44	416820-2	P36G3364
75	55.9	1200	405T	ECP4404T	86.9	537	332	94.4	94.9	95	73	82	85	6316	38.03	416820-2	P40G276
100	74.6	3600	405TS	ECP4402T	116	695	147	94.6	95.1	95	86	89	90	6313	35.31	416820-2	P40G4501
125	93.2	3600	444TS	ECP4412T	144	848	184	95.1	95.6	95.4	85	89	90	6313	40.88	416820-2	P44G4502
150	111.9	3600	445TS	ECP4413T	173	985	220	95.9	96.4	96.2	84	87	89	6313	40.88	416820-2	P44G4503

NOTES: See page 35 for Layout drawing. See page 46 for Connection Diagrams. Shaded ratings are cast iron frames. Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Crusher Duty Motors

Baldor•Reliance Crusher Duty motors are ideal for belt-driven applications where severe duty service combines with requirements for high breakdown torques. In rock crushers and pellet mills, the presence of residual material from the equipment's last operation can compound start-up load. Baldor•Reliance Crusher Duty motors feature extra coil bracing to keep shock loads from damaging the windings. The motor's pulley end roller bearings and high strength steel shaft are for belted loads only; these motors are not suitable for direct-coupled loads without conversion to ball bearings in our Mod Express shop.



TEFC - Totally Enclosed Fan Cooled, Rigid Base, 460Volts, Three Phase, 75Hp through 350Hp

Hp	kW	RPM	Frame	Catalog No.	Amps		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		"C" Dim.	Conn. Diag. No.	Reliance Reference No.
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.	ODE	DE			
75	56	1185	405T	CR4404TR-4	98.8	632	332	92	93.1	93.1	59	75.5	76.3	316	NU316	38.31	416820-2	P40G582
100	75	1782	405T	CR4400TR-4	118	809	295	92	93.3	93.5	78.7	84.9	85	316	NU316	38.31	416820-25	P40G583
100	75	1190	444T	CR4409TR-4	127	880	442	92.2	93.6	93.9	62.4	73.3	78.5	318	NU222	44.62	416820-25	P44G1543
125	93	1780	444T	CR4410TR-4	146	935	368	91.4	92.9	93.2	76.3	83.3	86	318	NU222	44.62	416820-25	P44G1545
125	93	1188	445T	CR4411TR-4	159	1080	553	92.6	93.8	94	62.4	73	78.3	318	NU222	44.62	416820-25	P44G1544
150	112	1785	445T	CR4406TR-4	175	1222	441	92.6	93.8	94	75.9	82.7	85.3	318	NU222	44.62	416820-25	P44G1546
150	112	1190	447T	CR44156TR-4	187	1345	663	93.4	94.4	94.6	63.7	74.6	79.4	318	NU222	48.4	416820-25	P44G1547
200	149	1785	447T	CR4407TR-4	236	1590	588	93.7	94.7	94.8	72.6	80.7	83.7	318	NU222	48.4	416820-25	P44G1550
200	149	1188	449T	CR44206TR-4	238	1730	884	94.4	95.1	95	70.5	79.3	82.8	318	NU222	48.4	416820-25	P44G1760
250	187	1785	449T	CR4408TR-4	284	2109	736	94.7	95.4	95.4	78.3	84.5	86.2	318	NU222	48.4	416820-25	P44G1761
250	187	1188	449T	CR44256TR-4	295	2250	1105	94.9	95.5	95.4	70.8	79.5	83.2	318	NU222	53.4	416820-25	P44G1549
300	224	1785	449T	CR44304TR-4	353	2617	882	94.6	95.5	95.6	72.1	80.2	83.3	318	NU222	53.4	416820-25	P44G1552
300	224	1185	449T	CR44306TR-4	371	2634	1320	95.6	96.2	95.8	64.1	73.9	78.6	318	NU222	53.4	416820-25	P44G7015
350	261	1786	449T	CR44354TR-4	404	2961	1029	95.1	95.9	96	74.7	82.1	84.5	318	NU222	53.4	416820-25	P44G1553

NOTES: See page 35 for Layout drawing. See page 46 for Connection Diagrams. Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Shaded ratings are cast iron frames.

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 – 3000Hp 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

Hp	3600 RPM – 60 Hz				Hp	1800 RPM – 60 Hz			
	TEFC		WP-II			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	G400K	A22450DSCA	E5010	450	A34450DSCA	G5010	A24450DSCA	E5008
500	A32500DSCA	G400K	A22500DSCA	E5010	500	A34500DSCA	G5010	A24500DSCA	E5010
600	A32600DSCA	G400K	A22600DSCA	05808	600	A34600DSCA	G5012	A24600DSCA	E5010
700	A32700DSBA	G400K	A22700DSCA	05808	700	A34700DSCA	G5012	A24700DSCA	E5012
800	Custom API 541	—	A22800DSCA	05808	800	A34800DSCA	G5012	A24800DSCA	E5012
900	Custom API 541	—	A22900DSCA	05808	900	A34900DSBA	G5012	A24900DSBA	E5808
1000	Custom API 541	—	A221K0DSCA	05810	1000	A341K0DSCA	G400J	A241K0DSCA	E5810
1250	Custom API 541	—	Custom API 541	—	1250	A341K2DSBA	G400J	A241K2DSBA	E5812
1500	Custom API 541	—	Custom API 541	—	1500	A341K5DSBA	G500M	A241K5DSBA	E5812
1750	Custom API 541	—	Custom API 541	—	1750	A341K7DSBA	G500M	A241K7DSBA	E5812
2000	Custom API 541	—	Custom API 541	—	2000	A342K0DSBA	G500M	A242K0DSBA	E5812
2250	Custom API 541	—	Custom API 541	—	2250	Custom API 541	—	A242K2DSBA	E7111
2500	Custom API 541	—	Custom API 541	—	2500	Custom API 541	—	A242K5DSBA	E7111
2750	Custom API 541	—	Custom API 541	—	2750	Custom API 541	—	A242K7DSBA	E7111
3000	Custom API 541	—	Custom API 541	—	3000	Custom API 541	—	A243K0DSBA	E7111

Dirty Duty® Motors

Baldor•Reliance Dirty Duty® motors are designed with a 416 stainless steel shaft extension for applications requiring additional protection from corrosive environments. All ratings allow for a 50°C ambient at a 1.0 Service Factor, and meet weatherproof requirements for IEEE 45 below-deck marine duty.



TEFC - Totally Enclosed Fan Cooled - Foot Mounted, 230/460 Volts, Three Phase, 1/2 - 20 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps @ 460V		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	.37	1725	56	M8001	1.0	6.5	1.5	66.4	72.5	74.0	43	55	63	6203	6203	11.35	CD0005
.75	.55	1725	56	M8002	1.5	10.0	2.3	69.7	74.7	75.5	42	55	60	6203	6203	11.35	CD0005
1	.75	1725	56	M8003	1.7	13.0	3.0	75.5	78.3	78.5	47	60	71	6203	6203	12.85	CD0005
1	.75	1740	143T	M8003T	1.4	10.3	3.0	81.4	83.8	82.5	59	72	80	6205	6203	12.75	CD0005
1.5	1.1	1740	145T	M8004T	2.1	20.0	4.5	86.4	87.7	84.0	57	71	79	6205	6203	12.75	CD0005
2	1.5	1740	145T	M8005T	2.8	22.7	6.0	83.2	85.2	84.0	57	70	79	6205	6203	12.75	CD0005
3	2.2	1750	182T	M8006T	4.1	32.4	8.9	86.1	87.8	87.5	59	71	78	6206	6205	15.93	CD0005
5	3.7	1750	184T	M8007T	6.7	51.2	15	87.3	88.4	87.5	63	74	80	6206	6205	15.93	CD0005
7.5	5.6	1760	213T	M8008T	9.8	65.6	22.3	88.9	89.9	89.5	61	74	80	6307	6206	19.32	CD0005
10	7.5	1760	215T	M8009T	13.0	84.4	29.9	88.9	89.8	89.5	62	74	80	6307	6206	19.32	CD0005
15	11.2	1760	254T	M8010T	18.5	147	44.6	91.6	92.1	91.0	68	78	83	6309	6307	21.94	CD0005
20	19.9	1760	256T	M8014T	25.0	174	59.7	92.1	92.0	91.0	68	77	83	6309	6208	23.25	CD0005

NOTES: * For 230V amps, double 460V amps. See pages 40 and 41 for Layout drawing. See page 46 for Connection Diagrams. Shaded ratings are cast iron frames.

TEFC - Totally Enclosed Fan Cooled - C-Face, Foot Mounted, 230/460 Volts, Three Phase, 1/2 - 20 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings both ends	"C" Dim.	Conn. Diag. No.
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.			
.5	0.37	3600	56C	CM8537	1.0	6.0	0.75	56.3	64.0	68.0	44	56	63	6203	11.34	CD0005
.5	0.37	1800	56C	CM8001	1.0	6.5	1.5	66.4	72.5	74.0	43	55	63	6203	11.34	CD0005
.5	0.37	1200	56C	CM8539	1.2	5.0	2.3	63.0	67.0	72.0	34	45	55	6203	11.34	CD0005
.75	0.55	1800	56C	CM8002	1.5	10	2.3	69.7	74.7	75.5	42	55	60	6203	11.34	CD0005
.75	0.55	1200	56C	CP8543	1.5	7.4	3.4	72.0	76.0	77.0	40	51	59	6203	12.84	CD0005
1	0.75	1800	56C	CM8003	1.7	13	3.0	75.5	78.3	78.5	47	60	71	6203	12.84	CD0005
1	0.75	1200	56C	CM8556	1.7	8.0	4.5	71.1	74.1	75.5	47	58	69	6205/6203	13.24	CD0005
1.5	1.1	1800	56C	CM8004	2.5	17	4.5	73.6	77.1	78.5	50	63	72	6205/6203	12.24	CD0005
1.5	1.1	1200	145TC	CM8004T	2.4	19.3	4.4	80.1	88.3	84.0	47	60	70	6205/6203	12.75	CD0005
2	1.5	1800	145TC	CM8005T	2.8	22.7	6.0	83.2	85.2	84.0	57	70	79	6205/6203	12.75	CD0005

NOTES: * For 230V amps, double 460V amps. See page 40 for Layout drawing. See page 46 for Connection Diagrams. Shaded ratings are cast iron frames.

TEFC - Totally Enclosed Fan Cooled - C-Face, Footless, No Drip Cover, 230/460 Volts, Three Phase, 1/2 - 10 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps @ 460V		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings both ends	"C" Dim.	Conn. Diag. No.
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.			
.5	0.37	3600	56C	VM8537	1.0	6.0	0.75	56.3	64.0	68.0	44	56	63	6203	11.35	CD0005
.5	.37	1725	56C	VM8001	1.0	6.5	1.5	66.4	72.5	74.0	43	55	63	6203	11.35	CD0005
.5	0.37	1800	56C	VM8001-5	0.8	5.2	1.5	66.4	72.5	74.0	43	55	63	6203	11.35	CD0006
.75	0.55	3600	56C	VM8541	1.3	7.6	1.2	70.6	73.6	74.0	58	67	73	6203	11.35	CD0005
.75	.55	1725	56C	VM8002	1.5	10.0	2.3	69.7	74.7	75.5	42	55	60	6203	11.35	CD0005
.75	0.55	1800	56C	VM8002-5	1.2	8.0	2.2	69.7	74.7	75.5	42	55	60	6203	11.35	CD0006
1	.75	3450	56C	VM8012	1.8	11.0	1.5	72.1	76.8	75.5	53	68	71	6203	11.35	CD0005
1	.75	1725	56C	VM8003	1.7	13.0	3.0	75.5	78.3	78.5	47	60	71	6203	12.85	CD0005
1	0.75	1800	143TC	VM8003T-5	1.1	7.8	3.0	81.2	82.9	82.5	63	74	83	6205/6203	13.25	CD0006
1	.75	1725	143TC	VM8003T	1.7	11.6	3.0	73.4	77.2	77.0	49	63	74	6205/6203	13.25	CD0005
1.5	1.1	3600	56C	VM8550	2.1	16.4	2.2	80.6	82.7	82.5	75	83	88	6205/6203	12.24	CD0005
1.5	1.1	3450	143TC	Custom	2.3	15.7	2.3	67.9	73.4	75.5	57	69	76	6205/6203	13.25	CD0005
1.5	1.1	1725	56C	VM8004	2.5	17.0	4.5	73.6	77.1	78.5	50	63	72	6205/6203	12.24	CD0005
1.5	1.1	1800	145TC	VM8004T-5	1.7	12.8	4.5	82.7	84.3	84.0	60	72	79	6205/6203	13.25	CD0006
1.5	1.1	1725	145TC	VM8004T	2.5	17.3	4.5	72.0	75.5	78.5	50	66	72	6205/6203	13.25	CD0005
2	1.5	3600	56C	VM8016	2.7	18	3.0	76.9	78.5	78.5	81	87	93	6205/6203	12.68	CD0005
2	1.5	3450	145TC	VM8016T	2.7	18.0	3.0	76.9	78.5	78.5	81	87	93	6205/6203	13.25	CD0005
2	1.5	1800	56C	VM8005	3.1	23.3	6.1	79.4	81.3	82.5	59	71	77	6205/6203	12.68	CD0005
2	1.5	1800	145TC	VM8005T-5	2.2	16.8	6.0	83.8	85.2	84.0	61	73	79	6205/6203	13.25	CD0006
2	1.5	1725	145TC	VM8005T	3.1	22.0	6.0	82.2	83.7	82.5	57	70	77	6205/6203	13.25	CD0005
3	2.2	3600	145TC	VM8559T	3.7	37.5	4.5	82.8	85.1	85.5	78	86	89	6205/6203	13.25	CD0005
3	2.2	1725	182TC	VM8006T	4.3	30.0	9.0	82.6	84.5	84.0	59	72	75	6206/6205	16.69	CD0005
5	3.7	1725	184TC	VM8007T	6.6	53.0	15.0	85.8	85.8	85.5	62	74	80	6206/6205	16.69	CD0005
7.5	5.6	1760	213TC	VM8008T	9.8	65.6	22.3	88.9	89.9	89.5	61	74	80	6307/6206	20.06	CD0005
10	7.5	1760	215TC	VM8024T	13.0	88.4	29.9	88.9	89.8	89.5	62	74	80	6307/6206	20.06	CD0005

NOTES: * For 230V amps, double 460V amps. See pages 40 and 42 for Layout drawing. See page 46 for Connection Diagrams. Shaded ratings are cast iron frames. Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Dirty Duty® Washdown Motors

For the most severe and corrosive applications, that use intense high-pressure washdown and marine applications. Complies with USCG259 and IEE45 for marine use below deck. Motors have corrosion-resistant autophoretic coating on steel and cast iron components, stainless steel shaft and labyrinth seal output shaft. Complies with IP56, IEEE 45 and USCG 249 marine duty (below deck only).



TEFC - Totally Enclosed Fan Cooled; TENV - Totally Enclosed Non-Ventilated - 230/460 Volts, Three Phase, 1/2 - 10 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps @ 460V		Full Load Torque Lb. Ft.	Efficiency%			Power Factor			Bearings		"C" Dim.	Conn. Diag. No.	Volt Code	
					Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	FL	DE	ODE				
C-Face, Foot Mounted																			
0.5	0.37	1725	56C	CWAM3538 ■	0.8	6.3	1.5	72.4	76.2	75.5	64	76	83	6205	6203	11.05	CD0005	E1	
0.75	0.56	1725	56C	CWAM3542 ■	1.1	8.5	2.3	77.9	79.9	80.0	55	71	81	6205	6203	11.05	CD0005	E1	
1	0.75	3450	56C	CWAM3545 ▲	1.6	8.9	1.5	62.0	68.3	74.0	63	74	79	6205	6203	12.28	CD0005	E	
1	0.75	1725	56C	CWAM3546 ■	1.6	11.3	3.0	75.4	79.3	81.5	58	71	74	6205	6203	12.05	CD0005	E	
1	0.75	1725	143TC	CWAM3546T ■	1.6	11.3	3.0	75.4	79.3	81.5	58	71	74	6205	6203	12.12	CD0005	E	
1	0.75	1140	56C	CWAM3556 ▲	1.7	8.0	4.5	71.1	74.1	75.5	47	58	69	6205	6203	13.28	CD0005	E	
1.5	1.1	3450	56C	CWAM3550 ▲	2.3	16.0	2.3	66.7	72.7	75.5	59	71	76	6205	6203	12.28	CD0005	E	
1.5	1.1	1725	145TC	CWAM3554T ■	2.1	18.3	4.5	78.0	81.7	82.5	65	72	82	6205	6203	13.00	CD0005	E	
1.5	1.1	1140	56C	CWAM3557 ▲	2.5	10.6	7.0	77.1	78.4	75.5	54	67	68	6205	6203	13.28	CD0005	F	
2	1.5	3450	56C	CWAM3555 ▲	2.7	17.5	3.0	78.2	80.3	78.5	80	87	93	6205	6203	13.28	CD0005	E	
2	1.5	1740	56C	CWAM3558 ■	2.8	21.0	6.0	83.8	85.2	84.0	61	73	79	6205	6203	13.28	CD0005	E	
2	1.5	1160	184TC	CWAM3614T ▲	3.5	18.6	9.0	84.3	86.6	86.5	43	55	63	6206	6205	16.60	CD0005	E	
2	1.5	1740	145TC	CWAM3558T ▲	2.8	21.0	6.0	83.8	85.2	84.0	61	73	79	6205	6203	13.35	CD0005	E	
3	2.2	3450	145TC	CWAM3559T ▲	3.7	37.5	4.5	82.8	85.1	85.5	78	86	89	6205	6203	14.23	CD0005	E	
3	2.2	1750	182TC	CWAM3611T ▲	4.1	32.4	8.9	86.1	87.8	87.5	59	71	78	6206	6205	16.60	CD0005	E	
3	2.2	1160	213TC	CWAM3704T ▲	5.1	29.7	13.5	85.5	87.3	87.5	43	55	63	6307	6206	18.63	CD0005	E	
5	3.7	3450	184TC	CWAM3613T ▲	5.8	54.0	7.6	87.8	88.3	87.5	81	89	93	6206	6205	16.60	CD0005	E	
5	3.7	1750	184TC	CWAM3615T ▲	7.1	53.6	14.9	87.0	88.3	87.5	57	69	75	6206	6205	16.60	CD0005	E	
5	3.7	1160	215TC	CWAM3708T ▲	8.1	55.9	22.6	85.5	87.4	87.5	46	58	65	6307	6206	18.63	CD0005	E	
7.5	5.6	3450	184TC	CWAM3616T ▲	8.7	98.8	11.5	88.4	89.3	88.5	83	91	93	6206	6205	18.10	CD0005	E	
7.5	5.6	1760	213TC	CWAM3710T ▲	9.8	65.2	22.3	88.6	89.8	89.5	63	74	80	6207	6206	18.63	CD0005	E	
7.5	5.6	1175	254TC	CWAM22976T ▲	11.2	68.1	33.5	88.4	89.8	89.5	53	64	70	6309	6208	23.57	CD0005	E	
10	7.5	3500	215TC	CWAM3711T ▲	11.5	90.0	14.9	90.9	91.2	89.5	82	88	91	6307	6206	18.63	CD0005	E	
10	7.5	1760	215TC	CWAM3714T ▲	12.8	92.1	29.7	90.5	91.2	89.5	64	75	81	6207	6206	19.76	CD0005	E	
10	7.5	1175	256TC	CWAM23932T ▲	15.3	99.0	44.0	86.5	88.9	89.5	52	65	69	6309	6208	23.57	CD0005	E	
C-Face, Footless																			
0.5	0.37	1725	56C	VWAM3538 ■	0.8	6.3	1.5	72.4	76.2	75.5	64	76	83	6205	6203	11.05	CD0005	E1	
0.75	0.56	1725	56C	VWAM3542 ■	1.1	8.5	2.3	77.9	79.9	80.0	55	71	81	6205	6203	11.05	CD0005	E1	
1	0.75	1725	56C	VWAM3546 ■	1.6	11.3	3.0	75.4	79.3	81.5	58	71	74	6205	6203	12.05	CD0005	E	
1	0.75	1725	143TC	VWAM3546T ■	1.6	11.3	3.0	75.4	79.3	81.5	58	71	74	6205	6203	12.13	CD0005	E	
1.5	1.1	1725	56C	VWAM3554 ■	2.1	18.3	4.5	78.0	81.7	82.5	65	72	82	6205	6203	12.93	CD0005	E	
1.5	1.1	1725	145TC	VWAM3554T ■	2.1	18.3	4.5	78.0	81.7	82.5	65	72	82	6205	6203	13.00	CD0005	E	
2	1.5	1740	56C	VWAM3558 ▲	2.8	21.0	6.0	83.8	85.2	84.0	61	73	79	6205	6203	13.28	CD0005	E	
2	1.5	1740	145TC	VWAM3558T ▲	2.8	21.0	6.0	83.8	85.2	84.0	61	73	79	6205	6203	13.35	CD0005	E	
3	2.2	1750	182TC	VWAM3611T ▲	4.1	32.4	8.9	86.1	87.8	87.5	59	71	78	6206	6205	16.60	CD0005	E	
5	3.7	1750	184TC	VWAM3615T ▲	7.1	53.6	14.9	87.0	88.3	87.5	57	69	75	6206	6205	16.60	CD0005	E	
7.5	5.6	1760	213TC	VWAM3710T ▲	9.8	65.2	22.3	88.6	89.8	89.5	63	74	80	6207	6206	18.63	CD0005	E	
10	7.5	1760	215TC	VWAM3714T ▲	12.8	92.1	29.7	90.5	91.2	89.5	64	75	81	6207	6206	19.76	CD0005	E	

NOTES: Volt Code: E = 208-230/460V, 60Hz; E1 = 230/460V, 60Hz, usable at 208V; F = 230/460V, 60 Hz. * For 230V amps, double 460V amps. See page 46 for Connection Diagrams. Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

■ = TENV Enclosure - See page 42 for dimensions.
▲ = TEFC Enclosure - See page 42 for dimensions.

Explosion-Proof Motors

These Baldor•Reliance Explosion-Proof Motors are made for On and Off-shore Drill Rig service, Bulk Fuel terminals and Transfer Station applications. They are designed for long life in the unique and challenging environment that combines a volatile gaseous or vapor atmosphere with salt water conditions. These motors are UL and CSA approved for Class 1, Group C & D environments where hydrogen sulfide is present. The two part epoxy coating finish provides extra corrosion resistance against seawater and sea air. Additional features include a Labyrinth-type recessed shaft slinger for increased bearing protection and an Explosion-proof breather/drain to prevent build up of condensation. 1.15 Service Factor.



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

Hp	kW	RPM	Frame	Catalog No.	Amps @ 460 V		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		“C” Dim.	Conn. Diag. No.
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.	DE	ODE		
1	0.75	3600	143T	M7013T-I	1.8	13.5	1.5	71.7	77.1	78.5	74	84	89	6203	6205	14.36	CD0005
1	0.75	1800	143T	M7014T-I	1.6	13.2	3	77.9	81.3	82.5	50	63	73	6203	6205	14.36	CD0005
1	0.75	1200	145T	M7032T-I	1.8	8.6	4.6	79.9	81.7	80	45	57	63	6203	6205	15.23	CD0005
1 1/2	1 1/9	3600	143T	M7018T-I	2.1	16.4	2.25	80.6	82.7	82.5	75	83	88	6203	6205	14.36	CD0005
1 1/2	1 1/9	1800	145T	M7034T-I	2.2	19	4.43	79.4	83	84	48	62	70	6203	6205	15.23	CD0005
1 1/2	1 1/9	1200	182T	M7020T-I	2.8	16	6.75	81.5	84.7	85.5	40	51	59	6205	6206	17.42	CD0005
2	1.5	3600	145T	M7071T-I	2.6	24.3	3	81.2	83.8	84	73	80	85	6203	6205	15.23	CD0005
2	1.5	1800	145T	M7037T-I	2.9	23.8	5.96	81	83.6	84	50	62	72	6203	6205	15.23	CD0005
2	1.5	1200	184T	M7041T-I	3.3	18.2	9.13	84.8	86.6	86.5	49	60	67	6205	6206	18.92	CD0005
3	2.2	3600	182T	M7026T-I	3.5	35.5	4.5	84.9	86.7	85.5	82	90	93	6205	6206	16.05	CD0005
3	2.2	1800	182T	M7042T-I	4.1	34.6	9	86.4	88.1	87.5	58	70	78	6205	6206	18.27	CD0005
3	2.2	1200	213T	M7036T-I	4.6	31	13.5	86.4	87.9	87.5	51	62	69	6206	6307	19.57	CD0005
5	3.7	3600	184T	M7072T-I	5.6	58.3	7.6	86.3	87.7	87.5	88	93	95	6205	6206	18.12	CD0005
5	3.7	1800	184T	M7044T-I	6.7	51.2	15	87.3	88.4	87.5	63	74	80	6205	6206	18.27	CD0005
5	3.7	1200	215T	M7040T-I	7.5	53.6	22.7	85.6	87.6	87.5	45	57	65	6206	6307	20.32	CD0005
7 1/2	5 3/5	3600	213T	M7045T-I	8.9	73.8	11.3	87.4	89.2	88.5	81	87	89	6206	6307	19.57	CD0005
7 1/2	5 3/5	1800	213T	M7047T-I	10.2	69.1	22.2	87	89	89.5	61	72	76	6206	6307	20.32	CD0005
7 1/2	5 3/5	1200	254T	M7048T-I	11.1	67.7	33.2	87.2	89.7	89.5	49	62	70	6208	6309	25.50	CD0005
10	7.5	3600	215T	M7174T-I	11.6	99.2	15	88.1	89.5	89.5	82	88	90	6206	6307	19.90	CD0005
10	7.5	1800	215T	M7170T-I	12.7	100	29.9	87.8	89.6	54	54	67	73	6206	6307	20.03	CD0005
10	7.5	1200	256T	M7065T-I	14.4	86.1	44.6	88.6	89.9	89.5	56	67	72	6208	6309	25.50	CD0005
15	11.2	3600	254T	M7053T-I	17	115	22.4	90.2	91.1	90.2	83	89	92	6208	6309	25.50	CD0005
15	11.2	1800	254T	M7054T-I	18	131	44.1	91.1	92.4	91	69	79	84	6208	6309	25.50	CD0005
15	11.2	1200	284T	M7057T-I	21	118	66.9	87.9	89.7	90.2	56	68	74	6309	6311	28.61	CD0180
20	14.9	3600	256T	M7059T-I	23	153	30	89.4	90.6	90.2	82	88	90	6208	6309	25.50	CD0005
20	14.9	1800	256T	M7056T-I	24	168	59.3	90.2	91.6	91	71	80	84	6208	6309	25.50	CD0005
20	14.9	1200	286T	M7079T-I	27	146	89	88.6	90.6	90.2	60	71	77	6309	6311	28.61	CD0005
25	18.6	3600	284TS	M7063T-I	28.5	195	36.9	89.5	91.3	91	78	85	88	6309	6311	27.24	CD0180
25	18.6	1800	284T	M7058T-I	30.8	188	74.4	90.0	91.8	92.4	71	80	84	6309	6311	28.61	CD0005
25	18.6	1200	324T	M7082T-I	31	222	111	91.6	92.4	91.7	69	78	81	6311	6312	32.00	CD0005
30	22.4	3600	286TS	M7083T-I	34	202	44.8	89.9	91	91	866	90	91	6309	6311	27.24	CD0180
30	22.4	1800	286T	M7060T-I	36	208	89.3	91.6	92.7	92.4	72	81	84	6309	6311	28.61	CD0005
30	22.4	1200	326T	M7080T-I	37	266	134	91.3	92.4	91.7	71	79	82	6311	6312	32.00	CD0180
40	29.8	3600	324TS	M7067T-I	45	285	59.5	90.9	91.8	91.7	84	88	90	6311	6312	30.50	CD0180
40	29.8	1800	324T	M7062T-I	47	322	118	93.1	94.1	93	74	82	86	6311	6312	32.00	CD0180
40	29.8	1200	364T	M7084T-I	49	316	178	91.8	93.1	93	70	79	82	6312	6313	33.25	CD0005
50	37.3	3600	326TS	M7081T-I	56	407	74.2	91.2	92.4	92.4	82	88	90	6311	6312	30.50	CD0180
50	37.3	1800	326T	M7064T-I	60	398	149	91.4	92.9	93	75	83	86	6311	6312	32.00	CD0180
50	37.3	1200	365T	M7085T-I	61	421	222	92.3	93.1	93	70	79	83	6312	6313	33.25	CD0005
60	44.7	3600	364TS	M7310T-I	67	448	88.6	91.4	92.8	93	84	88	90	6312	6313	31.13	CD0005
60	44.7	1800	364T	M7066T-I	69	441	177	92.2	93.5	93.6	75	83	86	6312	6313	33.25	CD0180
60	44.7	1200	404T	M7086T-I	70	432	267	92.7	93.4	93.6	78	84	86	6313	6316	38.75	CD0180
75	55.9	3600	365TS	M7313T-I	83	618	111	93.7	94.6	93	83	88	91	6312	6312	31.13	CD0180
75	55.9	1800	365T	M7068T-I	85	608	222	93.6	94.5	94.1	78	85	88	6312	6313	33.25	CD0180
75	55.9	1200	405T	VM7087T-I	88	575	332	93.8	94.2	93.6	75	83	85	6316	6313	38.75	CD0180
100	74.6	1800	405T	M7090T-I	109	726	295	94.3	94.8	94.5	84	89	91	6313	6316	38.75	CD0180

NOTES: See pages 43 and 44 for Layout drawings. See page 46 for Connection Diagrams. Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Shaded ratings are cast iron frames.

Explosion Proof TEFC - Totally Enclosed Fan Cooled - Foot Mounted, 575 Volts, Three Phase, 3 - 100 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps @ 460 V		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		"C" Dim.	Conn. Diag. No.
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.	DE	ODE		
3	2.2	1800	182T	M7042T-I-5	3.3	25.9	8.9	86.1	87.8	87.5	59	71	78	6206	6205	18.27	CD0006
5	3.7	1800	184T	M7044T-I-5	5.2	41	15	87.3	88.4	87.5	63	74	80	6206	6205	18.27	CD0006
7.5	5 3/5	1800	213T	M7047T-I-5	8.2	58	22.2	87.7	89.7	89.5	57	69	76	6307	6206	20.32	CD0006
10	7.5	1800	215T	M7170T-I-5	11.4	80	29.9	87.8	89.6	89.5	54	67	73	6307	6206	20.03	CD0006
15	11.2	1800	254T	M7054T-I-5	14.4	105	44.1	91.1	92.4	91	69	79	84	6309	6208	25.5	CD0006
20	14.9	1800	256T	M7056T-I-5	19.2	134	59.3	90.2	91.6	91	71	80	84	6309	6208	25.5	CD0006
25	18.6	1800	284T	M7058T-I-5	24.6	150	74.4	90	91.8	92.4	71	80	84	6311	6209	28.61	CD0006
30	22.4	1800	286T	M7060T-I-5	28.8	166	90	90.1	91.7	92.4	73	81	84	6311	6209	28.61	CD0006
40	29.8	1800	324T	M7062T-I-5	37.6	258	118	93.1	94.1	93	74	82	86	6312	6211	32	CD0006
50	37.3	1800	326T	M7064T-I-5	47	304	148	94.2	94.7	93	72	81	86	6312	6211	32	CD0006
60	44.7	1800	364T	M7066T-I-5	56	362	177	94.7	95.2	93.6	71	81	86	6313	6212	33.25	CD0006
75	55.9	1800	365T	M7068T-I-5	69	506	222	94	94.5	94.1	78	85	88	6313	6212	33.25	CD0006
100	74.6	1800	405T	M7090T-I-5	87	608	295	94	94.9	94.5	82	89	91	6316	6213	38.75	CD0006

NOTES: See pages 43 and 44 for Layout drawings. See page 46 for Connection Diagrams. Shaded ratings are cast iron frames. Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Explosion Proof TEFC - Totally Enclosed Fan Cooled - C-Face, Foot Mounted, 230/460 Volts, Three Phase, 1/2 - 50 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps @ 460 V		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		"C" Dim.	Conn. Diag. No.
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.	DE	ODE		
.5	0.37	1800	56C	CM7006-I	0.75	6.25	1.5	72.4	76.2	75.5	64	76	83	6205	6203	14.36	CD0005
.75	0.56	1800	56C	CM7010-I	1.36	10.5	2.26	71.7	76.6	78.5	44	56	66	6205	6203	14.36	CD0005
1	0.75	1800	56C	CM7014-I	1.6	13.2	2.99	77.9	81.3	82.5	50	63	73	6205	6203	14.36	CD0005
1.5	1.1	1800	145TC	CM7034T-I	2.4	19	4.43	79.4	83	84	48	62	70	6205	6203	15.23	CD0005
2	1.5	1800	145TC	CM7037T-I	3.08	23.8	5.96	81	83.6	84	50	63	72	6205	6203	15.23	CD0005
3	2.2	1800	182TC	CM7042T-I	4.1	34.6	9	86.4	88.1	87.5	58	70	78	6206	6205	19.59	CD0005
5	3.7	1800	184TC	CM7044T-I	6.7	51.2	15	87.3	88.4	87.5	63	74	80	6206	6205	19.59	CD0005
7.5	5.6	1800	213TC	CM7047T-I	10.2	69.1	22.2	87	89	89.5	61	72	76	6207	6206	21.07	CD0005
10	7.5	1800	215TC	CM7170T-I	12.7	100	29.9	87.8	89.6	89.5	54	67	73	6207	6206	20.78	CD0005
15	11.2	1800	254TC	CM7054T-I	18	131	44.1	91.1	92.4	91	69	79	84	6309	6208	26	CD0005
20	14.9	1800	256TC	CM7056T-I	24	168	59.3	90.2	91.6	91	71	80	84	6309	6208	26	CD0005
25	18.6	1800	284TC	CM7058T-I	30.8	188	74.4	90	91.8	92.4	71	80	84	6311	6309	28.61	CD0005
30	22.4	1800	286TC	CM7060T-I	36	208	89.3	91.6	92.7	92.4	72	81	84	6311	6309	28.61	CD0005
40	29.8	1800	324TC	CM7062T-I	47	322	118	93.1	94.1	93	74	82	85	6312	6311	32	CD0180
50	37.3	1800	326TC	CM7064T-I	60	398	149	91.4	92.9	93	75	83	86	6312	6311	32	CD0180

NOTES: See pages 43 and 44 for Layout drawings. See page 46 for Connection Diagrams. Shaded ratings are cast iron frames. Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Explosion Proof TEFC - Totally Enclosed Fan Cooled - C-Face, Footless, 230/460 Volts, Three Phase, 1/2 - 10 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps @ 460 V		F.L. Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		"C" Dim.	Conn. Diag. No.
					F.L.	L.R.		1/2	3/4	F.L.	1/2	3/4	F.L.	DE	ODE		
0.5	0.37	1800	56C	VM7006-I	0.8	6.3	1.5	72.4	76.2	75.5	64	76	83	6205	6203	13.14	CD0005
0.75	0.55	1800	56C	VM7010-I	1.4	10.5	2.3	71.7	76.6	78.5	44	56	66	6205	6203	14.31	CD0005
1	0.75	1800	56C	VM7014-I	1.6	13.2	3.0	78.0	81.4	82.5	50	63	73	6205	6203	14.31	CD0005
1	0.75	1800	143TC	VM7014T-I	1.6	13.2	3.0	78.0	81.4	82.5	50	63	73	6205	6203	14.36	CD0005
1.5	1.1	1800	56C	VM7034-I	2.4	19	4.4	79.4	83.0	84.0	48	62	70	6205	6203	15.17	CD0005
1.5	1.1	1800	145TC	VM7034T-I	2.4	19	4.4	79.4	83.0	84.0	48	62	70	6205	6203	15.23	CD0005
2	1.5	1800	145TC	VM7037T-I	3.1	23.8	6.0	81.0	83.6	84.0	50	63	72	6205	6203	15.23	CD0005
3	2.2	1800	182TC	VM7042T-I	4.1	34.6	9.0	86.4	88.1	87.5	58	70	78	6206	6205	19.91	CD0005
5	3.7	1800	184TC	VM7044T-I	6.7	53	15	87.0	88.0	87.5	66	77	80	6206	6205	19.91	CD0005
7.5	5.6	1800	213TC	VM7047T-I	10.2	69.1	22.2	87.0	89.0	89.5	61	72	76	6307	6206	21.06	CD0005
10	7.5	1800	215TC	VM7170T-I	14.2	100	29.9	87.8	89.6	89.5	54	67	73	6307	6206	20.77	CD0005

NOTES: See pages 43 and 44 for Layout drawings. See page 46 for Connection Diagrams. Shaded ratings are cast iron frames. Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

AC Motor Adjustable Speed Range Capabilities

Inverter Drive® and Vector Drive® Motors

Inverter Drive® and Vector Drive® Motors exceed all requirements of NEMA MG-1 Parts 30 and 31 for AC induction motors powered from adjustable speed controls. Definite-Purpose Inverter-Fed Polyphase

Motors, as defined for Inverter Drive Motors are suitable for variable torque applications and rated 1000:1 for constant torque (except for those Inverter Duty motors rated for use in hazardous locations). Vector Drive motors are capable of full, rated torque at 0 RPM, continuous duty. Satisfactory motor performance depends on proper drive setup.

It is necessary that motor-drive applications are commissioned by persons familiar with the operation and setup of adjustable speed drives, applicable electrical codes and any other regulations. Each drive must be tuned to the motor for the specific application.



System operating parameters must be checked, including voltage at motor power leads, to insure that motor/drive set up has been successfully completed. Applications that are not properly set up can lead to substandard performance and failure of system components.

Super-E® Motors

All Super-E motors are Inverter-Ready and meet NEMA MG 1 Part 31.4.4.2. Super-E motors are suitable for use with inverter drives in applications with variable torque and with a constant torque 20:1 speed range except as noted below. Motor inverter setup is unique to each specific application. Setup and correct wiring procedures must be closely followed.

Standard-E® Motors

Standard-E EPA efficient motors are suitable for use in adjustable speed applications per NEMA MG 1 Part 30. With proper motor-inverter setup, Standard-E motors are suitable for use at 20:1 variable torque and 4:1 constant torque applications.

Note: Use of explosion proof motors with inverters should be limited to Inverter-Duty Explosion proof motors only. Contact your local Baldor District Office for application questions regarding your specific application.

Family	Frame Size	Constant Torque	Variable Torque	Comments
Super-E Motors 230, 460 and 575 Volts				
ECP/XEX	145	20:1	20:1	Severe Duty Premium Efficiency
	180-210	10:1	10:1	
	250-445	4:1 (2)	10:1	
	447-449	2:1 (2)	10:1	
ECP8/841XL	145	20:1	10:1	Severe Duty Premium Efficiency May not meet temp rise as specified in IEEE 841 when used with ASD.
	180-210	10:1	10:1	
	250-445	4:1 (2)	10:1	
	447-449	2:1 (2)	10:1	
Standard-E Motors 230, 460 and 575 Volts				
CP/XT	145	20:1	20:1	Severe Duty
	180-445	— (3)	10:1	
	447-449	4:1	10:1	
WDM	56 - 215 (1)	4:1	20:1	Washdown Duty

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

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

Division 2 Markings

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

Matched Performance™ The Perfect Motor and Control for Your Application

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

Examples:

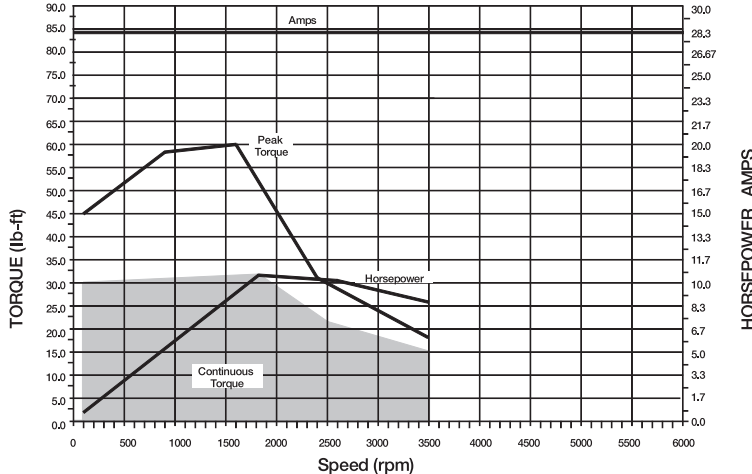
At right are two examples of Matched Performance Curves, both showing 10 hp motors, operated from different controls.

The top curve is an ECP3774T Inverter Ready Super-E motor operated from a Baldor 15H Inverter control. As you can see, the motors rated torque is 30 lb-ft, available from 90-1800 rpm, with a continuous hp operation to 3500 rpm. Speed regulation for an inverter-fed motor is approximately 2-3% of base Speed. Super-E motors with Inverters are ideally suited for variable torque loads, such as fans and centrifugal pumps. Then also work well for constant torque loads like conveyors, where precise speed control or low speed operation is not required.

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

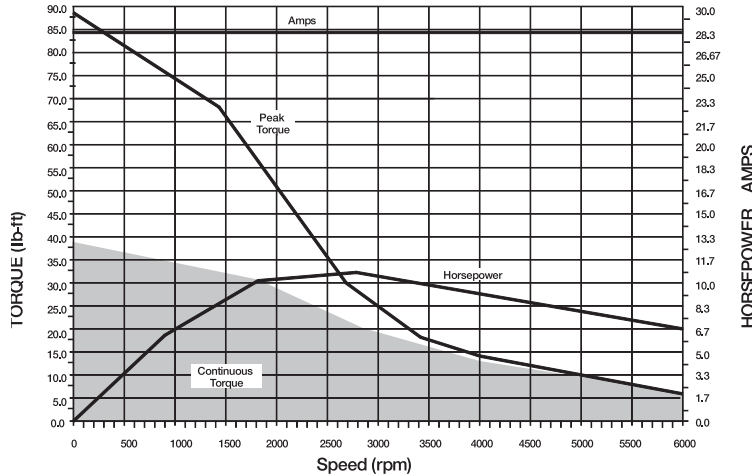
* **NOTE:** Baldor Inverters are supplied with NEMA 1 enclosures which are not approved for hazardous locations and should be remotely mounted. If the inverter drive needs to be mounted near the motor, contact your local Baldor District Office.

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



Motor: ECP3774T - 10 Hp
Control: ID15H210-E - 10 Hp Series 15H Inverter

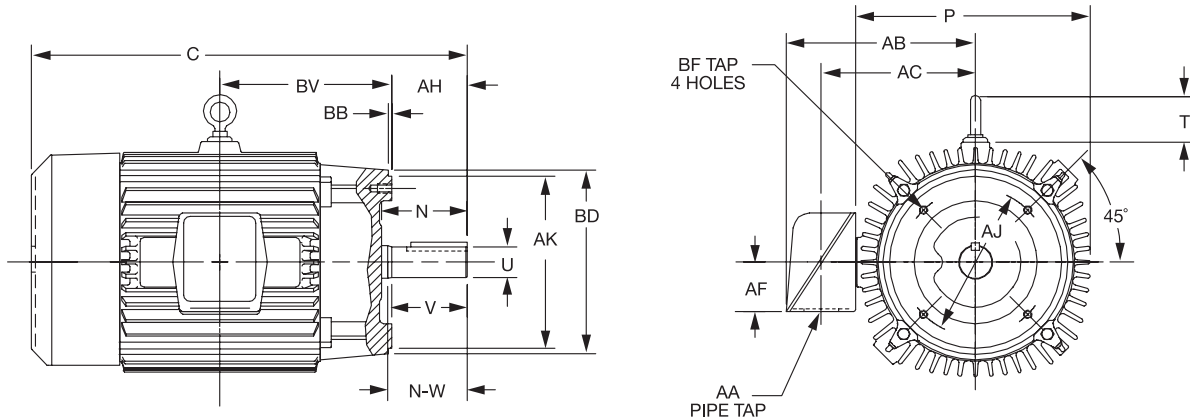
Matched Performance Curve for 10 Hp Vector Drive® Motor and Control*



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

Dimensions

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



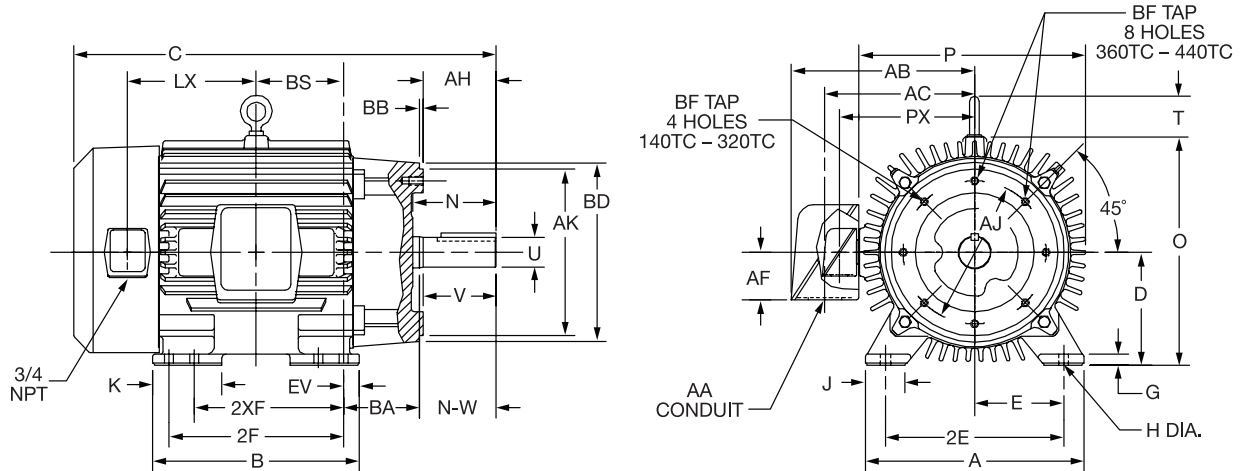
Frame Size (1)	P	Cast Iron Conduit Box				AJ	AK	BB	BD	BF	Min Tap Depth	T	C	BV	AH	Shaft and Key						Wgt. Lbs.
		AA	AB	AC	AF											N	N-W	U	V	Sq.	Lgth	
143TC	7.48	0.75	6.38	5.31	—	5.88	4.50	0.13	6.47	3/8-16	0.62	2.00	14.56	—	2.12	2.50	2.25	0.875	2.25	0.190	1.38	58
145TC	7.48	0.75	6.38	5.31	—	5.88	4.50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

NOTES:

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

Dimensions

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

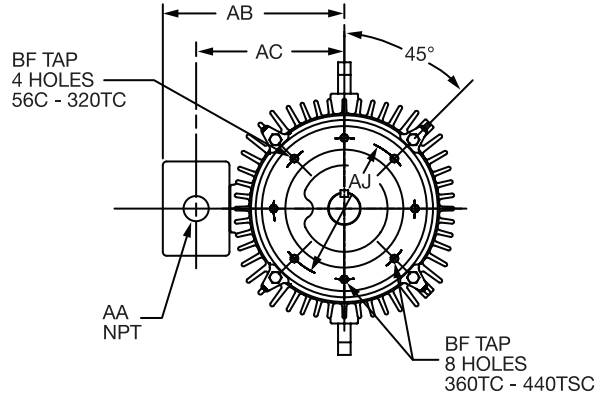
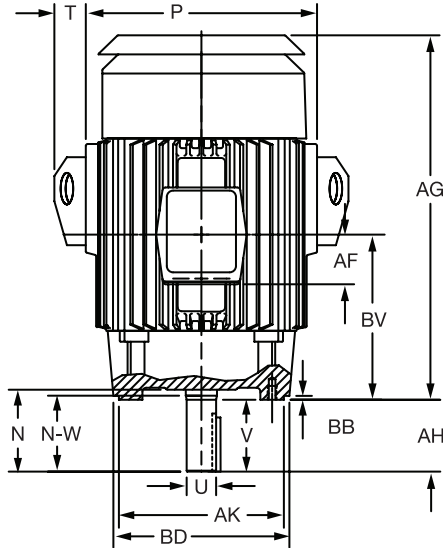


Frame Size (1)	A	D	E	H	O	P	T	BA	Cast Iron Conduit Box				BB	BD	BF	Min Tap Depth	AJ	AK	C	BS	B	2F	2XF	Shaft and Key						Wgt. Lbs.
									AA	AB	AC	AF												N	N-W	U	V	Sq.	Lgth	
143TC	6.50	3.50	2.75	0.38	7.48	8.00	2.00	2.75	0.75	6.38	5.31	—	0.13	6.47	3/8-16	0.62	5.88	4.50	13.38	2.50	5.88	4.00	—	2.50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

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

Dimensions

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

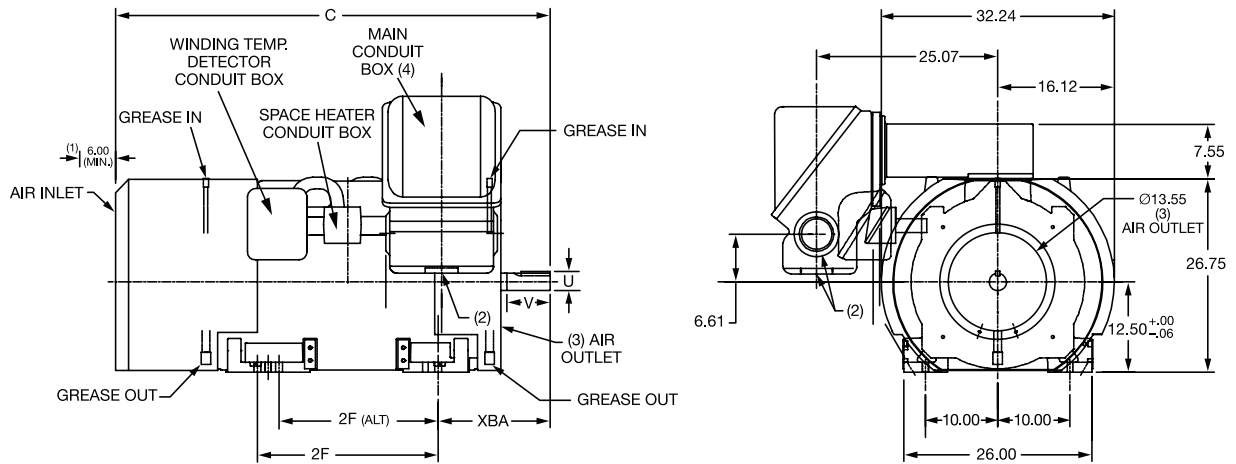


Frame Size	P	Cast Iron Conduit Box				AJ	AK	BB	BD	BF	Min Tap Depth	T	C	AG	AH	BV	Shaft and Key						Wgt. Lbs.
		AA	AB	AC	AF												N	N-W	U	V	Lgth	Sq.	
56C	8.02	0.75	6.47	5	—	5.88	4.5	0.13	6.48	3/8-16	0.75	—	12.69	—	2.06	—	1.88	1.88	0.625	1.88	1.38	0.190	53
143TC	8.02	0.75	6.47	5.00	—	5.88	4.50	0.13	6.48	3/8-16	0.75	—	13.92	—	2.12	—	2.25	2.25	0.875	2.25	1.38	0.190	62
145TC	8.02	0.75	6.47	5.00	—	5.88	4.50	0.13	6.48	3/8-16	0.75	—	13.92	—	2.12	—	2.25	2.25	0.875	2.25	1.38	0.190	62
182TC	10.50	1.00	8.44	6.69	2.12	7.25	8.50	0.25	8.75	1/2-13	0.75	1.44	—	15.94	2.62	6.44	2.94	2.75	1.125	2.50	1.75	0.250	126
184TC	10.50	1.00	8.44	6.69	2.12	7.25	8.50	0.25	8.75	1/2-13	0.75	1.44	—	15.49	2.62	6.44	2.94	2.75	1.125	2.50	1.75	0.250	126
213TC	11.00	1.00	9.31	7.31	2.12	7.25	8.50	0.25	9.00	1/2-13	0.75	1.44	—	18.44	3.12	7.69	3.62	3.38	1.375	3.12	2.38	0.312	190
215TC	11.00	1.00	9.31	7.31	2.12	7.25	8.50	0.25	9.00	1/2-13	0.75	1.44	—	18.44	3.12	7.69	3.62	3.38	1.375	3.12	2.38	0.312	190
254TC	14.00	1.25	10.81	8.81	2.50	7.25	8.50	0.25	9.00	1/2-13	0.75	2.25	—	23.22	3.75	10.00	4.06	4.00	1.625	3.75	2.88	0.375	340
256TC	14.00	1.25	10.81	8.81	2.50	7.25	8.50	0.25	9.00	1/2-13	0.75	2.25	—	23.22	3.75	10.00	4.06	4.00	1.625	3.75	2.88	0.375	350
284TC	15.50	1.50	12.62	10.19	3.00	9.00	10.50	0.25	11.25	1/2-13	0.75	2.25	—	24.97	4.38	10.50	5.00	4.62	1.875	4.38	3.25	0.500	475
286TC	15.50	1.50	12.62	10.19	3.00	9.00	10.50	0.25	11.25	1/2-13	0.75	2.25	—	24.97	4.38	10.50	5.00	4.62	1.875	4.38	3.25	0.500	490
324TC	17.38	2.00	15.44	11.69	3.62	11.00	12.50	0.25	13.12	5/8-11	0.94	2.25	—	27.35	5.00	11.50	5.62	5.25	2.125	5.00	3.88	0.500	605

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

Dimensions

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

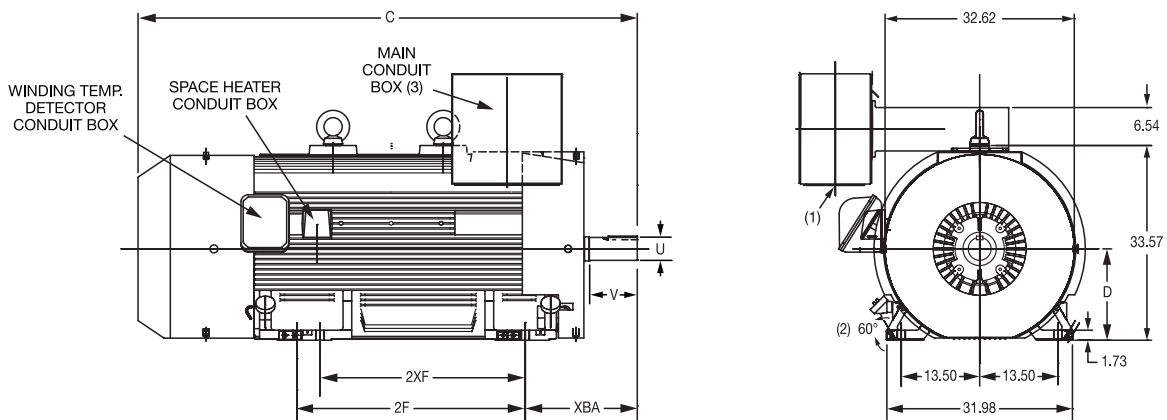


NOTES:
 (1) - WALL OR OBSTRUCTION MUST NOT ENCR OACH ON AIR INLET SPACE.
 (2) - 4.0" N.P.T. FOR MOTOR POWER LEADS, 3 TOTAL.
 (3) - AIR OUTLET OBSTRUCTION MUST NOT ENCR OACH UPON AIR OUTLET SPACE.
 (4) - CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-2 MOUNTING IS SPECIFIED.
 ADDITIONAL DIMENSION INFORMATION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

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

NOTE: Dimensions are in inches.

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



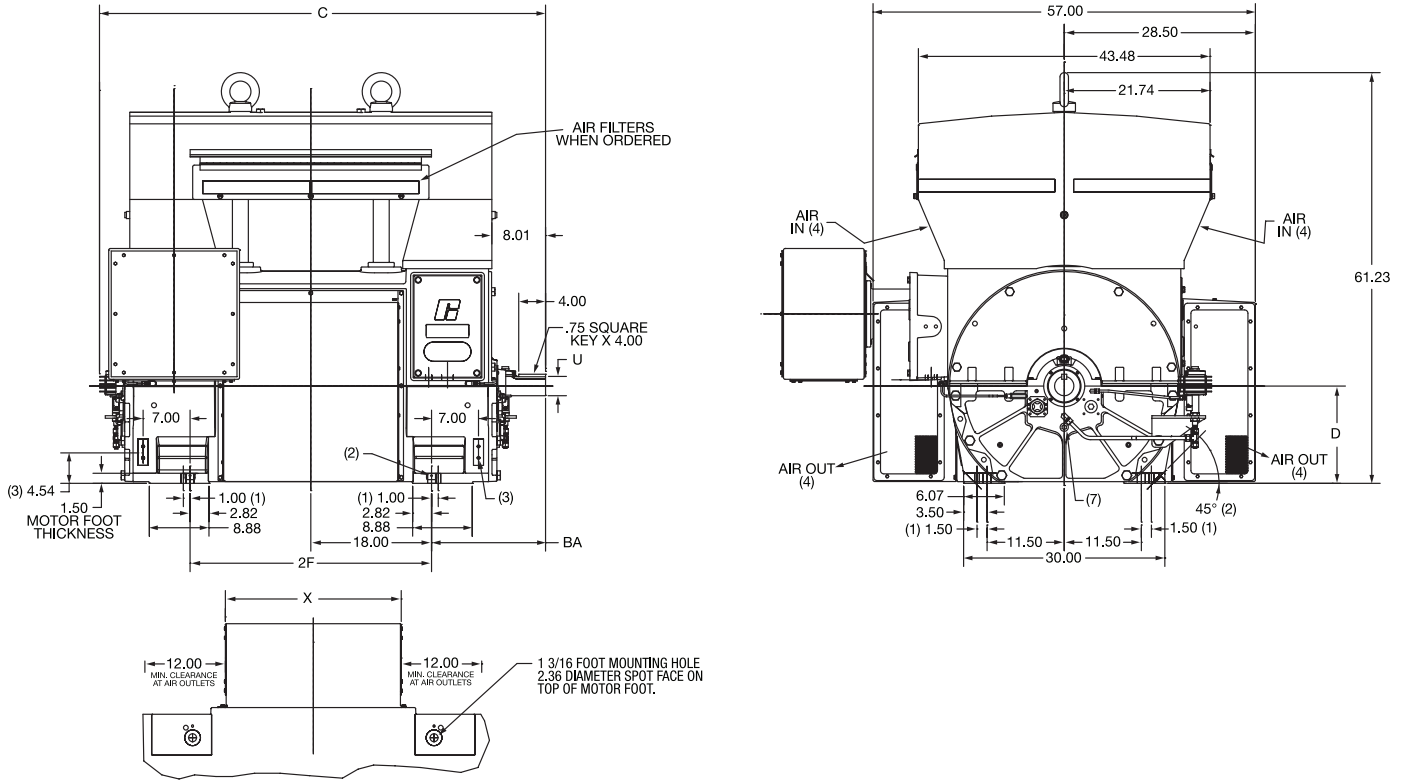
NOTES:
 (1) - CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-2 MOUNTING IS SPECIFIED.
 ADDITIONAL DIMENSION INFORMATION AVAILABLE ON M/N SPECIFIC DIMENSION SHEETS.

Frame	RPM (Max)	C	2F	X2F	U (+.000 /-.009)	V	XBA	D
G400JS	3600	83.31	39.37	35.43	2.3634	5.51	16.53	15.75
G400JZ	1800	86.07	39.37	35.43	3.9384	8.27	19.29	15.75

NOTE: Dimensions are in inches.

Dimensions

Super-E® Liberator WP11 - Weather Protected Type II Motors Foot Mounted - 5800 Frame Sizes



NOTES:

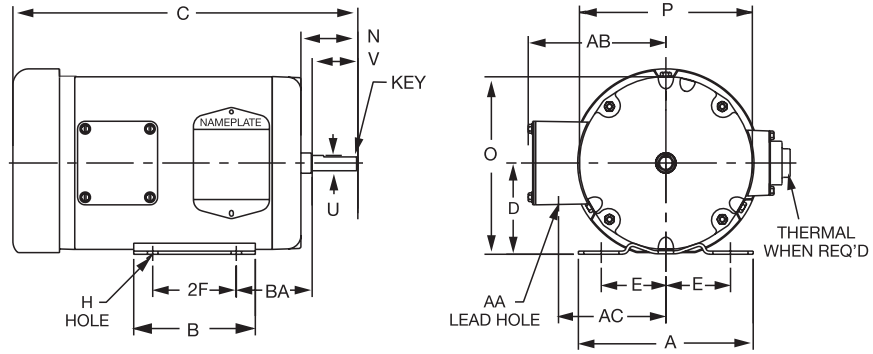
- 1) 3/4-10 TAPPED VERTICAL JACKSCREW HOLE- ONE PER FOOT.
 - 2) 7mm DOWEL PIN PILOT HOLE— ONE PER FOOT.
 - 3) TWO S.S. GROUND PADS, EACH WITH TWO 1/2-13 TAPPED HOLES.
 - 4) 12 INCH MINIMUM CLEARANCE REQUIRED TO ANY WALL OR OBSTRUCTION FOR AIR INLET SPACE.
 - 5) DRAWING IS SCALED AND SHOWN WITH TERMINAL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

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

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

Dimensions

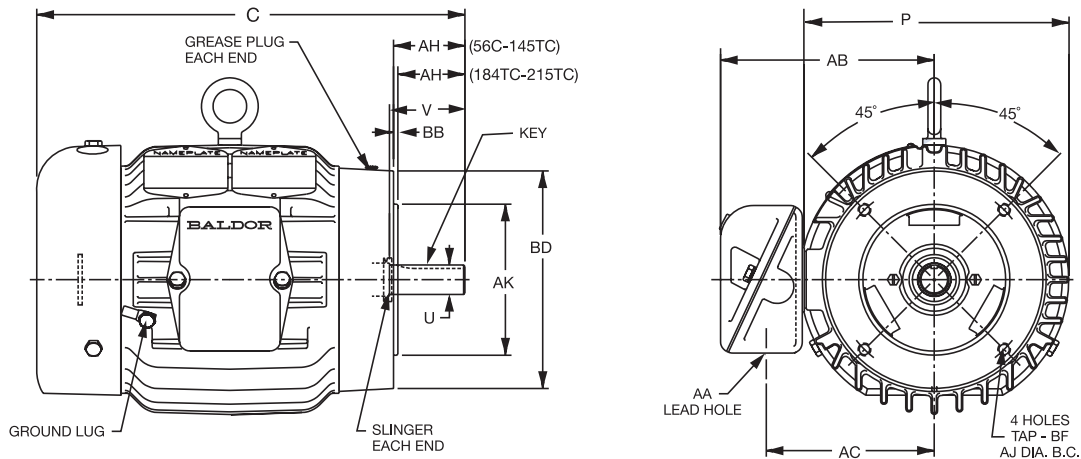
Dirty Duty® and Quarry Duty Motors Totally Enclosed Fan Cooled - NEMA 56-215T - Foot Mounted Steel Band Construction



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	6.50	5.94	3.50	2.75	4.00	0.34	0.19	2.50	6.81	6.62	0.875	2.25	0.88	5.73	4.62	2.25
145T				5.00	5.00											
182T	8.63	6.50	4.50	3.75	4.50	0.41	0.25	3.56	8.44	7.88	1.125	2.75	1.09	6.87	5.76	2.75
184T				5.50	5.50											
213T	9.50	8.00	5.25	4.25	5.50	0.41	0.31	3.88	10.03	9.57	1.375	3.38	1.38	8.06	6.79	3.50
215T					7.00											

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® and Quarry Duty - Cast Iron Construction Motors Totally Enclosed Fan Cooled - NEMA 56C-215TC - C-Face, Footless

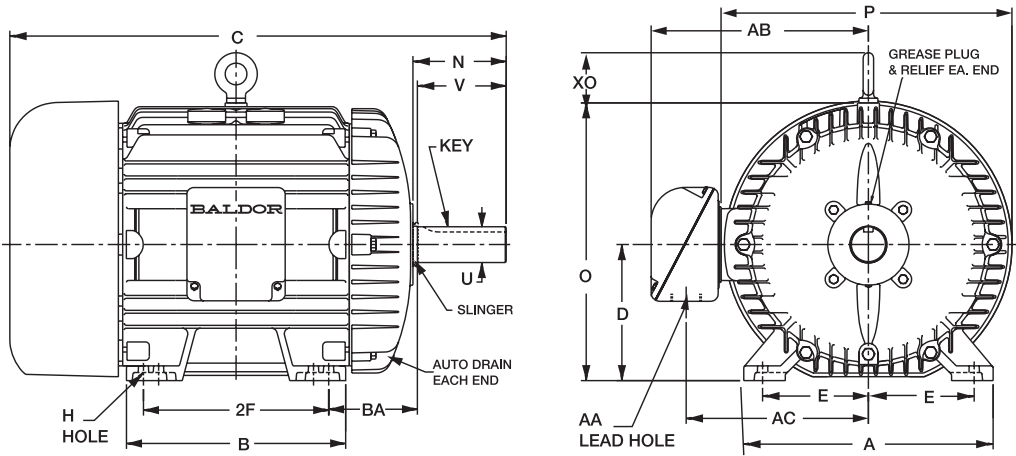


NEMA Frame	Key	P	U	V	AA	AB	AC	AH	AJ	AK	BB	BD	Tap BF
56C	0.19	8.02	0.625	1.88	0.75 NPT	6.36	5.00	2.06	5.88	4.50	0.13	6.48	3/8-16
143TC 145TC	0.19	8.02	0.875	2.25	0.75 NPT	6.43	5.00	2.12	5.88	4.50	0.13	6.48	3/8-16
182TC 184TC	0.25	9.00	1.125	2.75	0.75 NPT	7.12	5.75	2.62	7.25	8.50	0.25	8.87	1/2-13
213TC 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® - Cast Iron Construction Motors Totally Enclosed Fan Cooled - NEMA 143T-256T - Foot Mounted

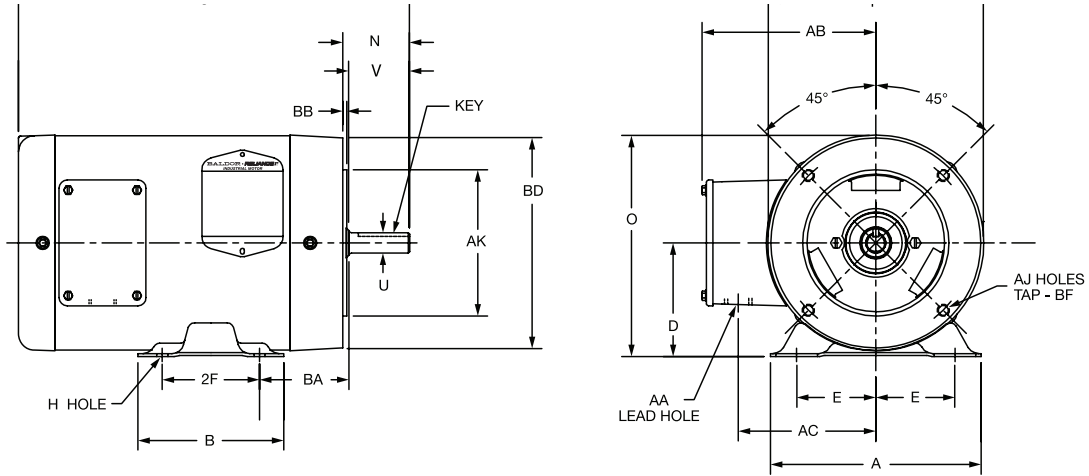


NEMA Frame	A	B	D	E	2F	H	Key	N	O	P	U	V	AA	AB	AC	BA
143T					4.00											
145T	6.50	5.88	3.50	2.75	5.00	0.38	0.188	2.50	7.48	8.00	0.875	2.25	0.75 NPT	6.38	5.00	2.25
182T					4.50											
184T	8.62	6.50	4.50	3.75	5.50	0.41	0.25	2.81	9.23	10.12	1.125	2.75	0.75 NPT	7.12	5.75	2.75
213T					5.50											
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	1.00 NPT	8.82	7.25	3.50
254T					8.25											
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	1.25 NPT	9.00	7.43	4.25
254T					8.25											
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	1.25 NPT	10.01	8.23	4.25

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

Dimensions

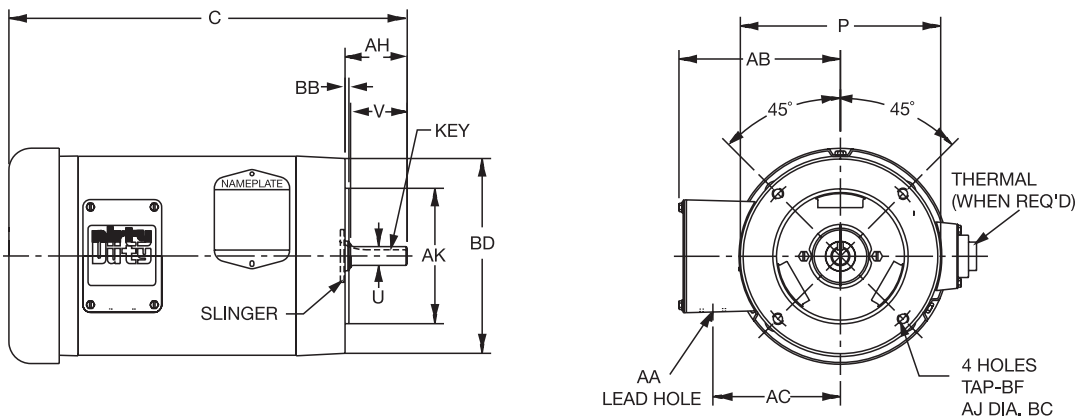
Dirty Duty® Motors Totally Enclosed Non-Ventilated - NEMA 56-215T - C-Face, Foot Mounted Steel Band Construction



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.

Dirty Duty® Motors Totally Enclosed Fan Cooled - NEMA 56C - C-Face, Footless Steel Band Construction

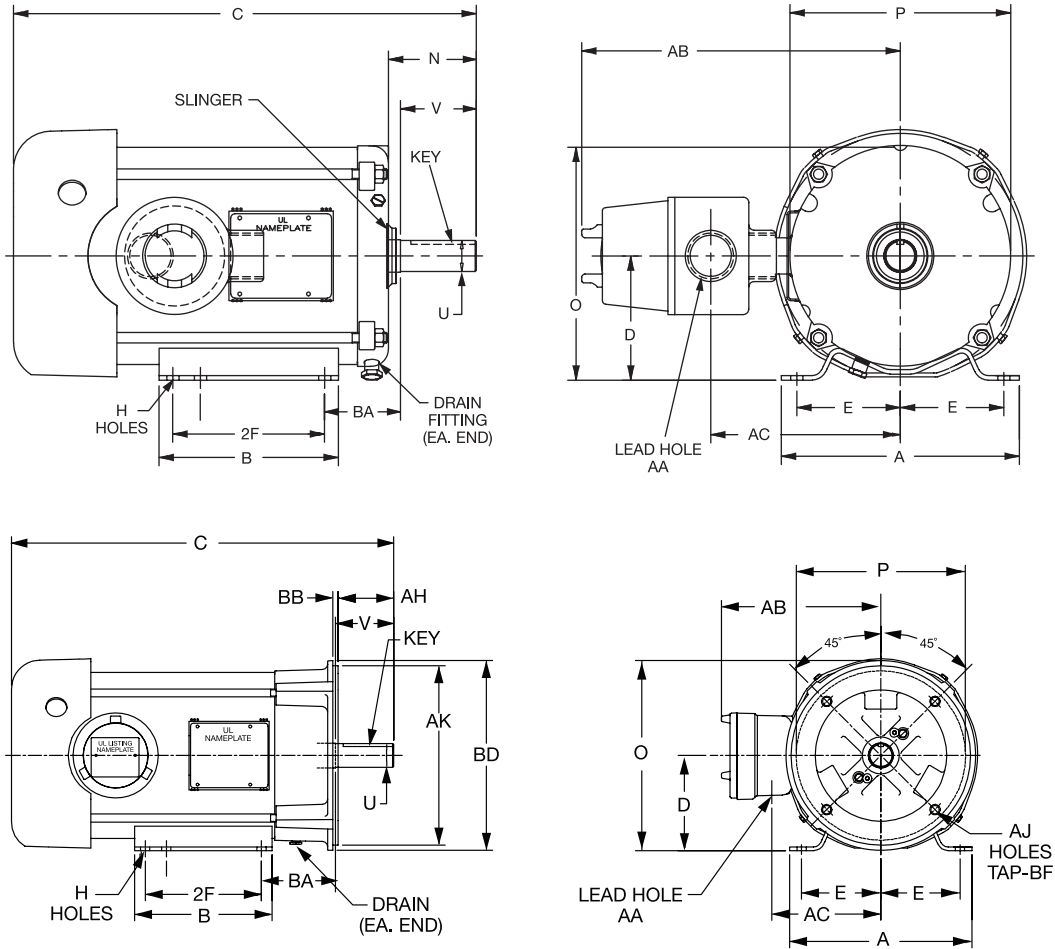


NEMA Frame	Key	P	U	V	AA	AB	AC	AH	AJ	AK	BB	BD	Tap BF
56C 1/2 - 1 Hp	0.19	5.69	0.625	1.87	0.50 NPT	4.51	3.53	2.06	5.88	4.50	0.12	5.81	3/8-16
56C 1-1/2 Hp	0.19	6.66	0.625	1.87	0.50 NPT	5.37	4.24	2.06	5.88	4.50	0.13	6.48	3/8-16

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.

Dimensions

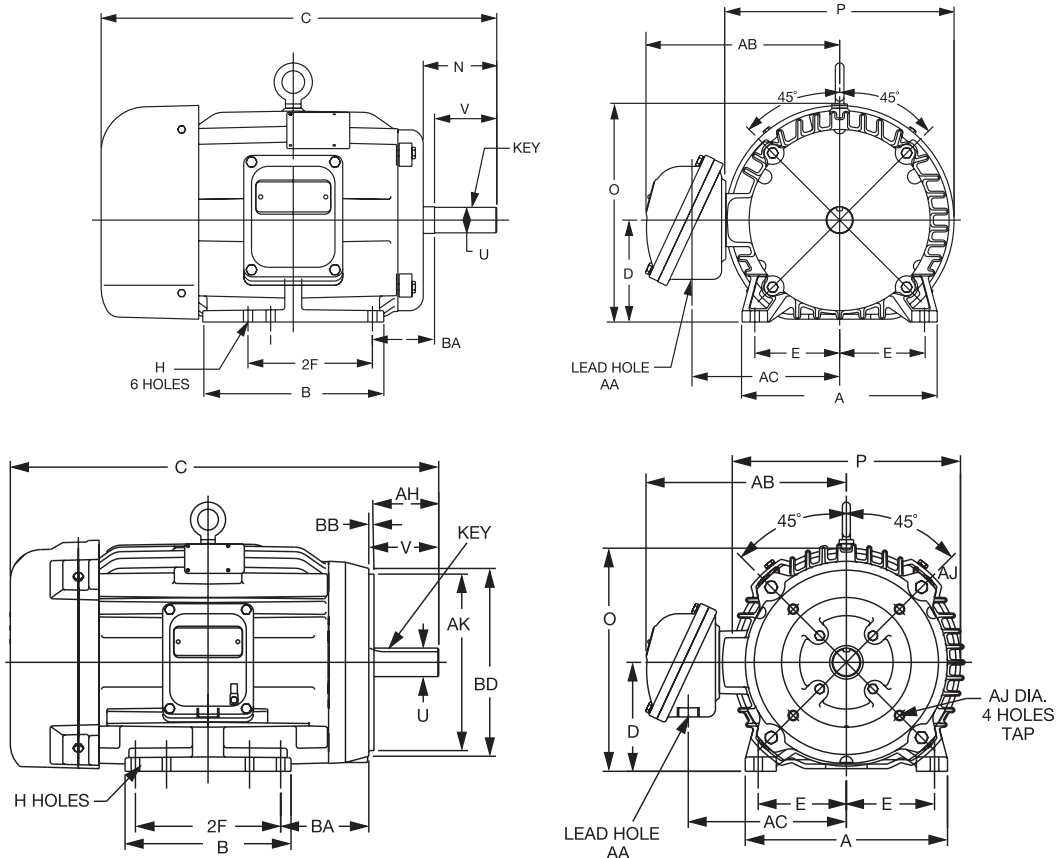
Explosion-Proof Foot Mounted and C-Face Foot Mounted Motors Totally Enclosed Fan Cooled - NEMA 182T-215T and 182TC-215TC Steel Band Construction



NEMA Frame	A	B	D	E	2F	H	N	O	P	U	V	AA	AB	AC	AH	AJ	AK	BA	BB	BD	Tap
182T 184T	8.63	6.50	4.50	3.75	4.50 5.50	0.41	3.06	8.44	7.88	1.12	2.75	0.75	7.52	5.98	-	-	-	2.75	-	-	-
182TC 184TC	8.63	6.50	4.50	3.75	4.50 5.50	0.41	-	8.99	8.00	1.12	2.75	1.00	7.54	5.16	2.62	7.25	8.50	3.50	0.25	8.98	1/2-13
213T 215T	9.50	8.00	5.25	4.25	5.50 7.00	0.41	3.82	10.03	9.56	1.375	3.38	0.75	8.37	6.83	-	-	-	3.50	-	-	-
213TC 215TC	9.50	8.00	5.25	4.25	5.50 7.00	0.41	-	10.03	9.69	1.37	3.37	1.00	12.21	7.53	3.12	7.25	8.50	4.25	0.25	9.04	1/2-13

Dimensions

Explosion-Proof - Horizontal Base and C-Face Mount Motors Totally Enclosed Fan Cooled - NEMA 182T-405T and 182TC-365TC - C-Face, Foot Mounted Cast Iron Construction



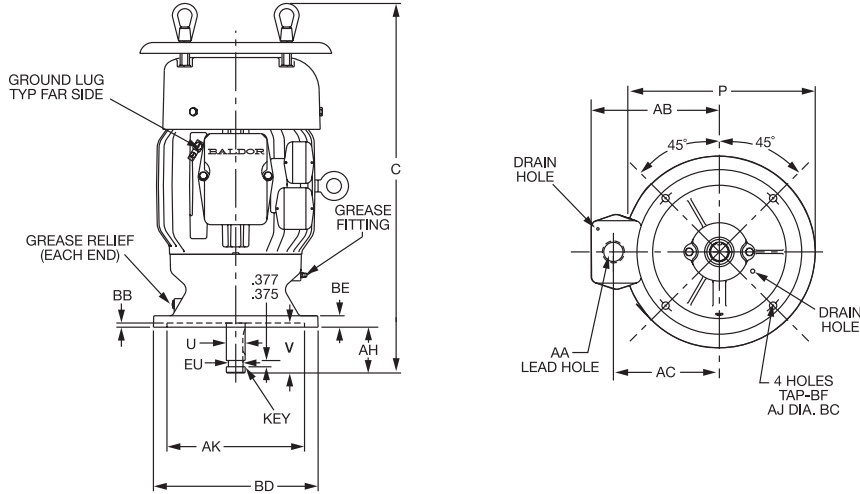
NEMA Frame	A	B	D	E	2F	H	N	O	P	U	V	AA	AB	AC	AH	AJ	AK	BA	BB	BD	Tap
213T					5.50																
215T	9.75	8.00	5.25	4.25	7.00	0.41	3.47	10.75	11.00	1.37	3.38	0.75	9.66	7.62	-	-	-	3.50	-	-	-
213TC					5.50																
215TC	9.75	8.00	5.25	4.25	7.00	0.41	-	10.75	11.84	1.37	3.38	0.75	9.66	7.62	3.12	7.25	8.50	4.50	0.25	9.05	1/2-13
254T					8.25																
256T	11.50	11.50	6.25	5.00	10.00	0.53	4.20	12.94	13.44	1.62	4.00	1.25	12.37	9.24	-	-	-	4.25	-	-	-
254TC					8.25																
256TC	11.50	11.50	6.25	5.00	10.00	0.53	-	12.94	13.44	1.62	4.00	1.25	12.38	9.24	3.75	7.25	8.50	4.75	0.25	9.13	1/2-13
284T					9.50																
286T	12.76	12.75	7.00	5.50	11.00	0.53	4.88	14.75	15.54	1.87	4.63	1.50	16.51	11.57	-	-	-	4.75	-	-	-
284TC					9.50																
286TC	12.76	12.75	7.00	5.50	11.00	0.53	-	14.75	15.54	1.87	4.63	1.50	16.38	11.43	4.38	9.00	10.50	4.75	0.25	11.23	1/2-13
324T					11.25																
326T	14.50	14.00	8.00	6.25	12.00	0.66	5.44	16.68	17.40	2.12	5.25	2.00	17.40	12.48	-	-	-	5.25	-	-	-
324TC					10.50																
326TC	14.50	14.00	8.00	6.25	12.00	0.66	-	16.68	17.39	2.12	5.25	2.00	17.43	12.48	5.00	11.00	12.50	5.25	0.25	13.38	5/8-11
364T		13.50			11.25																
365T	17.00	14.50	9.00	7.00	12.25	0.66	6.13	18.50	18.88	2.37	5.88	2.50	17.35	12.75	-	-	-	5.88	-	-	-
404T		15.25			12.75																
405T	19.50	1.75	10.00	8.00	13.75	0.81	7.56	21.00	20.88	2.87	7.25	2.50	18.44	13.75	-	-	-	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.

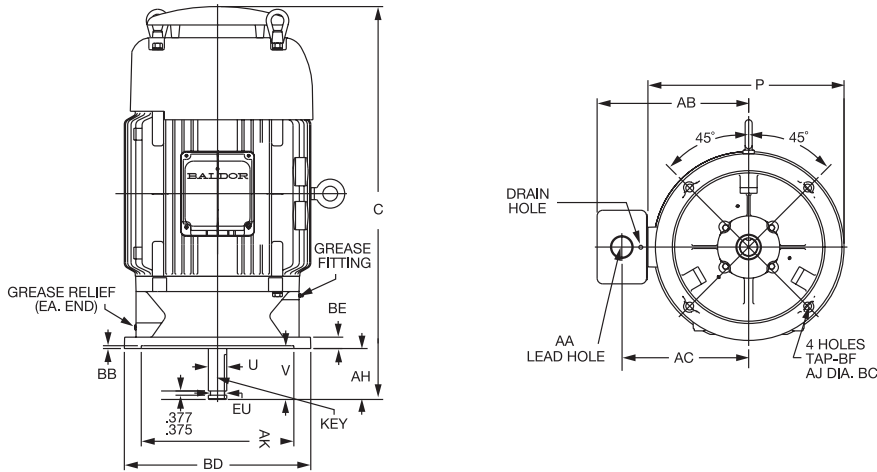
Dimensions

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

LP Style (Medium Thrust)



VP Style (High Thrust)

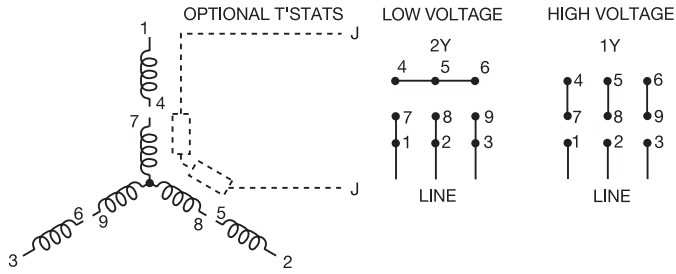


NEMA Frame	Key	P	R*	S*	U	V Min	AA	AB	AC	AH	AJ	AK	BB	BD	BE	Tap BF	EU
182LP 184LP	0.25	11.50	0.984	0.25	1.125	3.00	1.00 NPT	7.69	6.35	2.75	9.12	8.25	0.25	9.88	0.68	0.44	0.875
213LP 215LP	0.38	12.13	1.406	0.375	1.625	3.00	1.50 NPT	8.68	7.11	2.75	9.12	8.25	0.25	9.88	0.69	0.44	1.25
254LP 256LP	0.38	12.94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

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

Connection Diagrams

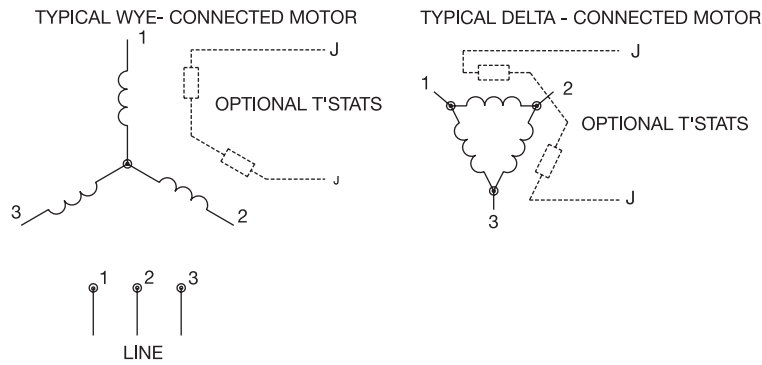
CD0005 and 416820-1



Notes:

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

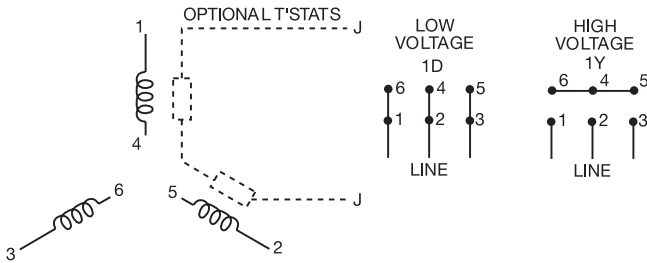
CD0006, 416820-24 and 416820-25



Notes:

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

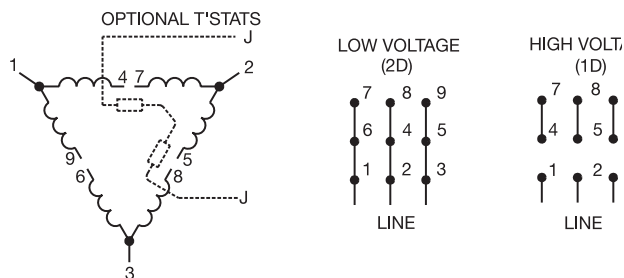
CD0022 and 416820-4



Notes:

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

CD0180 and 416820-2

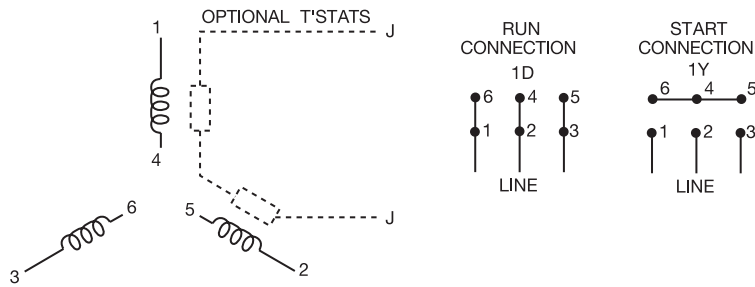


Notes:

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

Connection Diagrams

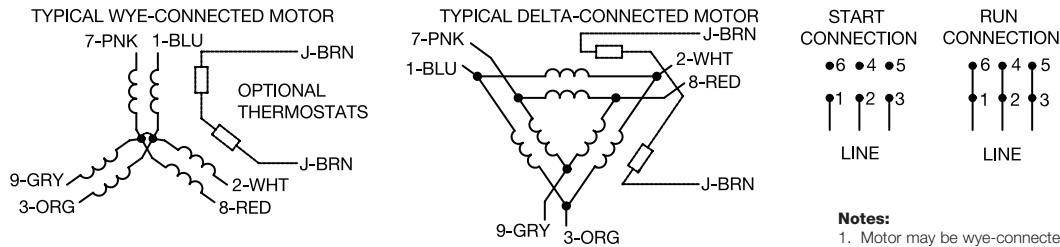
CD0382



Notes:

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

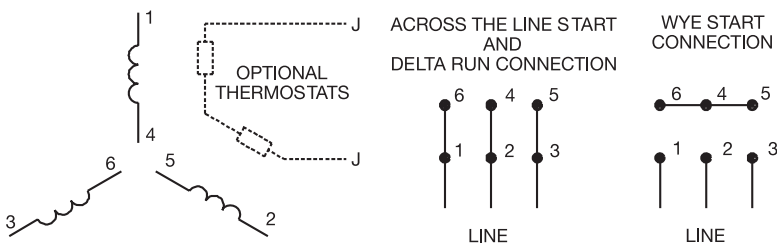
CD0695



Notes:

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

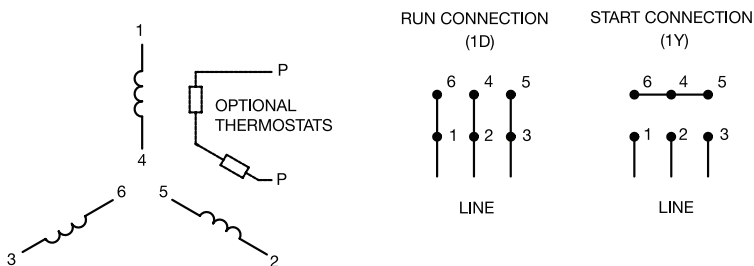
CD1071



Notes:

1. Interchange any two line leads to reverse rotation.
2. Optional thermostats are provided when specified.
3. Actual number of internal parallel circuits may vary.

CD1435



Notes:

1. Interchange any two line leads to reverse rotation.
2. Optional thermostats are provided when specified.
3. Actual number of internal parallel circuits may vary.

