

AC Smith

IHP Commercial Industrial Catalog Century® II



AC Smith

has what your customers need to run smoothly...

A. O. Smith offers a full line of Epact and NEMA Premium TEFC and ODP motors up through 400 HP.

Our Speed Engineered[®] inverter-duty motors offer the "Corona-Free" solution for people using motors with drives. We've designed, built, and tested our Speed Engineered motors for superior motor drive compatibility.

Add our commercial industrial sales team and an exceptionally strong independent distribution network, and we will help you get the job done.



**Selection
Quality
Delivery
Value**



Direct OEM Replacements for:

Carrier, Trane, York, and others.

What you'll find in this catalog....

E-Plus®/E-Plus®3

The industry's premier energy-efficient motor.

The very first line of high efficiency motors was introduced by A. O. Smith in the mid-1970's. It was promoted as a product that paid for itself through reduced operating costs and sold under the brand name E-Plus®.

As the leader in energy efficient motors, A. O. Smith is proud to introduce our new full line of Century® II E-Plus® and E-Plus®3 ODP and TEFC motors. Like E-Plus® and E-Plus®3 all Century® II E-Plus® and E-Plus®3 motors can be used with variable frequency drives (VFD's)

Century® II E-Plus® motors meet the efficiency standards established by the Energy Policy Act of 1992 (EPACT).



Century® II E-Plus®3 motors meet the efficiency standards set for NEMA PREMIUM in 2001 and as a result meet the efficiency standards mandated by the Energy Independence and Security Act of 2007 (EISA).

If you're looking for higher operating performance and lower energy bills then Century® II E-Plus®3 is your BEST choice for a high efficiency motor.

New Century® II stock ratings are constantly being added to our inventories, both at our distribution centers and through your local A. O. Smith distributors. Be sure to check out our new Century® II models by looking for models designated with a NEW symbol.

The industry's corona-free inverter motor.

Speed Engineered®: The industry's corona-free inverter-duty motor. It's not just the wire. It's a motor system designed for compatibility with today's high tech IGBT variable frequency drives.

A. O. Smith designs, builds, tests and warrants these motors to be corona-free.



You can specify Speed Engineered® with confidence knowing they'll perform reliably on the job, over the long haul. Our research and development has overwhelmingly concluded that it's not just the wire, but a fully protected, "corona-free" insulation system that eliminates all the threats that can cause premature motor failure. Speed Engineered® motors are rated for 4:1 speed ratio at constant torque or 6:1 at variable torque. They are identified in this catalog with a special symbol ⚡. Look for them!

Speed Engineered® Motors



Motors specially designed, tested and warranted to be **Corona-Free** for compatible inverter duty are marked in this catalog with a .



E-Plus®
Speed Engineered®

Why Specify Speed Engineered® Inverter Duty Motors?

Variable frequency drives (VFDs), while offering advantages of greater control and energy savings to commercial and industrial motor users, can also cause premature winding failure in motors not designed specifically for inverter duty. Now A. O. Smith engineers have developed a solid solution...Speed Engineered®.

Speed Engineered® is a special motor design and construction that eliminates the destructive forces that can occur when motors are applied with drives. The Speed Engineered® "Corona-Free" solution eliminates the causes of premature winding failure completely.

All Speed Engineered® motors meet or exceed NEMA MG1-31 performance standards, in addition to carrying A. O. Smith's Speed Engineered® warranty for inverter duty applications.

The Causes of Premature Motor Failure

Research we conducted identified why motors can fail when used with variable frequency drives under certain operating conditions. The results were published in a white paper, *The Simple Truth About Motor/Drive Compatibility*, which is available from A. O. Smith. Our findings revealed that "corona" as well as other potential hazards, can materialize and eventually damage motors applied with a drive.

What is Corona?

VFDs create high voltage pulses at the motor, especially when the motor and drive are separated by long power leads. Those high voltage pulses (or voltage spikes) develop voltage potential between adjacent conductors in the motor winding.

When the voltage generated in the air between the conductors is high enough, the air breaks down.

This breakdown is known as "corona." The discharge that is created forms ozone, which causes the motor's magnet wire insulation to disintegrate, causing premature failure.

This phenomenon has been around for a long time and effects a limited number of earlier vintage motor/drive applications. But with drives becoming more sophisticated, inverter switching rates increasing and the percentage of motors operating with drives growing rapidly, incidents of downtime are also growing and corona is now getting a lot of attention in the motor/drive industry.

There are several techniques employed in the market to increase motor tolerance to corona. Although simpler and less costly, these practices are not always effective since corona is not cured...only bandaged. The only way to be sure the destructive efforts of corona will not compromise your motor/drive application is to eliminate corona altogether. This is easily accomplished by specifying A. O. Smith Speed Engineered® motors on your next project.

What Makes Corona-Free Speed Engineered® Motors Best For Motor-Drive Compatibility?

There are several solutions to the problem of motor insulation stress caused by inverters. Rather than just squelching the voltage overshoot which leads to corona, as mentioned earlier, the preferred method and the approach used by A. O. Smith is to design the motor to be corona free at expected peak voltage. We begin with a design remise of understanding the magnet wire corona inception voltage (CIV) and distribution of voltage in the motor.

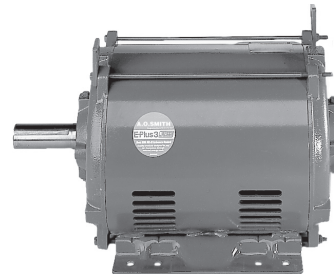
From that, our design approach becomes simply to:

Choose a winding layout that minimizes the proximity voltage differences and reliably positions insulation materials to improve dielectrics above the threshold of corona...

You may recognize this as the design approach for any motor, regardless if it is line operated or driven by an inverter. The difference is that with an inverter you must anticipate a much higher peak voltage and the rapid rise times of these potentially harmful pulses.

At A. O. Smith, we build a motor able to withstand voltage peaks 3.5 times what is stated on the motor nameplate. Therefore we design additional insulation (tape, sleeving, phase paper, etc.) and strategically locate this added insulation in a manner that will yield the necessary protection against the high voltage pulses that may occur between magnet wire strands. This approach yields the desired design integrity.

With the design for insulation and winding layout determined, the success of each motor now depends on placing the insulation properly during production. To provide final assurance for our customers, A. O. Smith uses a proprietary CIV tester that employs a unique procedure to detect and measure corona for each and every Speed Engineered motor we produce...before that motor leaves our factory!



E-Plus®3
Speed Engineered®

Because Motor/Drive Applications are so Varied, A. O. Smith Offers Three Distinct Families of Speed Engineered® Motors

E-Plus®, the industry's first high efficiency, energy-saving motor, meets 1997 EPACT standards. Now, E-Plus® also carries the protection of the Speed Engineered® design and are warranted to offer the best performance available to inverter duty applications.


E-Plus®3 motors offer even heartier energy-efficient performance and savings, exceeding most utility conservation initiatives, in addition to meeting the 1997 EPACT standards. All E-Plus®3 motors are Speed Engineered® rated for compatible inverter duty applications.

Both E-Plus® and E-Plus®3 are available in a variety of application configurations including: variable or constant torque loads, PWM, sensorless or sensed vector and with limited or broad speed ranges.

Speed Engineered® motors are rated for 4:1 speed ratio at constant torque or 6:1 at variable torque.

Three Phase ODP Motors

Features:

- Ball Bearings
- Class A or B Insulation (as noted)
- Continuous Duty
- Dripproof
- NEMA Service Factor
- Squirrel Cage
- Energy Efficient \$
- NEMA Design B
- Standard, EPAct  CC001A (E-Plus®) and Premium (E-Plus® 3) Efficiency
- 1/4 thru 400 HP
- 40°C Ambient
- 60 Hz
- 3600, 1800 and 1200 RPM
- E-Plus® Motors meet the requirements of the Energy Policy Act of 1992. E-Plus® 3 motors exceed the requirements of the Energy Policy Act of 1992. **E+3(NP) is NEMA Premium Efficient.**



E100

Applications: Pumps, fans, compressors, conveyors.

HP	RPM	Volts	Full Load Amps	Service Factor	Frame	Stock Number	Protector	Insul. Class	Type	"C" Dim.	Eff.	Notes
1/4	1800	200-230/460	1.1-1.4/1.75	1.35	48	H200	None	B		9.3		6
	1200	200-230/460	1.3-1.2/1.6	1.35	56	H204	None	B		10.1		
1/3	3600	200-230/460	1.4-1.4/1.7	1.75	56	H234	None	B		9.8		6
	1800	200-230/460	1.4-1.6/1.8	1.35	48	H260	None	B		9.0		6
		200-230/460	1.4-1.6/1.8	1.35	56	H262	None	B		9.8		
		200-230-460	1.8-1.6/1.8	1.35	56	H267	None	B		11.1		
1/2	3600	200-230/460	1.9-1.8/1.9	1.60	56	H437	None	B		9.8		
	1800	200-230/460	1.8-2.2/1.1	1.25	56	H273	None	B		9.8		
		460/200-230	1.5/2.5-3.0	1.25	56	H880	Auto	B		12.2		151
		575	.88	1.25	56	H991	None	A		9.8		
1200	200-230/460	2.0-1.9/1.95	1.25	56	H279	None	B		11.1			
3/4	3600	200-230/460	2.6-2.4/1.2	1.50	56	H377	None	B		11.1		
	1800	200-230/460	3.1/1.6	1.25	56	OB3075	None	B		11.3		6
		200-230/460	2.5-2.6/1.3	1.25	56	H581	None	B		10.1		
		460/200-230	1.7/2.9-3.4	1.25	56	H881	Auto	B		12.2		151
		575	1.0	1.25	56	H992	None	A		10.1		
		1200	200-230/460	4.0-4.0/2.0	1.25	56	H467	None	B		11.1	
200-230/460	4.0-4.0/2.0	1.25	143T	R119	None	B		12.6				
1	3600	200-230/460	3.2-3.0/1.5	1.40	56	H602	None	B		11.1		
	1800	200	3.1	1.15	143T	E103 ⚡	None	B	E+	13.1	82.5	
		200-230/460	4.0/2.0	1.15	56	OB3104	None	B		11.3		
		200-230/460	3.4-3.4/1.7	1.25	56H	H614	None	B		12.2		
		200-230/460	3.4-3.0/1.5	1.15	143T	E100 ⚡	None	B	E+	13.3	82.5	
		230/460	3.0/1.5	1.15	143T	E1015 ⚡	None	B	E+3	14.6	85.5	
		460/200-230	1.9/3.5-3.8	1.15	56H	H882	Auto	B		12.7		151
		460/200-230	1.9/3.5-3.8	1.15	56HZ	H883	Auto	B		12.6		15,151
		575	1.4	1.25	56	H993	None	A		11.1		
		575	1.08	1.15	143T	E1006 ⚡	None	B	E+	13.1	82.5	
		1200	200-230/460	4.0-3.8/1.9	1.25	56	H526	None	B		11.4	
230/460	3.6/1.8	1.15	145T	E1020 ⚡	None	B	E+	13.3	80.0			

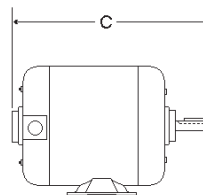
Notes:

- 6. 60/50 Hertz
- 15. 56HZ = 7/8" x 2-5/16" shaft
- 151. Quick Connect Design Bracket, Auto Overload Protector


Published efficiency on tri-voltage rated motors applies at 230/460 volts. Performance at 200 volts may not be in accordance with NEMA standards. Published efficiency on 200-208 volt motors applies at 200 volts.



Motors specially designed, tested and warranted to be **Corona-Free** for compatible inverter duty are marked on this page with a ⚡. See page 1-3 of this catalog for more Speed Engineered® information.
















Features:

- Ball Bearings
- Class B or F Insulation (as noted)
- Continuous Duty
- Dripproof
- NEMA Service Factor, Design B
- Squirrel Cage
- NEMA Design B
- Standard, EPAct  CC001A (E-Plus®) and Premium (E-Plus® 3) Efficiency \$
- 1/4 thru 400 HP
- 40°C Ambient
- 60 Hz
- 3600, 1800 and 1200 RPM
- E-Plus® Motors meet the requirements of the Energy Policy Act of 1992. E-Plus® 3 motors exceed the requirements of the Energy Policy Act of 1992. **E+3(NP) is NEMA Premium Efficient.**



E206

Applications: Pumps, fans, compressors, conveyors.

HP	RPM	Volts	Full Load Amps	Service Factor	Frame	Stock Number	Protector	Insul. Class	Cast Iron Type	"C" Dim.	Eff.	Notes	
1-1/2	3600	200-230/460	4.2-4.0/2.0	1.15	143T	E1010 	None	B	E+	13.1	82.5		
		460/200-230	2.3/4.7-4.6	1.30	56H	H756	Auto	B		12.9		35	
	1800	200	4.5	1.15	145T	E104 	None	B	E+	13.8	84.0		
		200-230/460	6.2/3.1	1.20	56H	OB3154	None	B		12.3	74.0	6	
		200-230/460	5.0-5.0/2.5	1.20	56H	H534	None	B		12.2			
		230/460	4.2/2.1	1.15	145T	R110	Auto	B		12.6			
		200-230/460	4.6-4.2/2.1	1.15	145T	E101 	None	B	E+	13.8	84.0		
		230/460	4.0/2.0	1.15	145T	E1016 	None	B	E+3	14.6	85.5		
		460/200-230	2.8/5.0-5.6	1.15	56H	H884	Auto	B		12.9			
		460/200-230	2.8/5.0-5.6	1.15	56HZ	H885	Auto	B		12.8		15	
	1200	575	2.0	1.20	56HZ	H951	Auto	B		12.6		15	
		575	1.56	1.15	145T	E1007 	None	B	E+	14.6	84.0		
	2	3600	200-230/460	4.7-5.4/2.7	1.15	182T	E214 	None	F	E+	13.7	84.0	23
			230/460	5.4/2.7	1.15	182T	E206 	None	F	E+3(NP)	14.1	86.5	
2	3600	208-230/460	6.1/3.05	1.20	56H	BR3202	Auto	B		13.7			
		460/230	2.7/5.4	1.15	145T	E1012 	None	B	E+	14.3	84.0		
	1800	200	5.98	1.15	145T	E105 	None	B	E+	13.8	84.0		
		208-230/460	6.0/3.0	1.15	56H	OB3204	None	B		12.3	78.0	6	
		200-230/460	6.8/3.4	1.15	56HZ	OB3204V1	None	B		13.2	78.0	15	
		200-230/460	6.4-6.0/3.0	1.15	56H	H181	None	B		12.2			
		200-230/460	6.0-5.6/2.8	1.15	145T	E102 	None	B	E+	13.8	84.0		
		200-230/460	6.4-6.0/3.0	1.15	145T	R127	Auto	B		14.6			
		230/460	5.6/2.8	1.15	145T	E1017 	None	B	E+	16.7	84.0		
		460/200-230	3.5/6.6-7.0	1.15	56HZ	H886	Auto	B		13.8		15,35	
	460/200-230	3.5/6.6-7.0	1.15	56H	H1045	Auto	B		13.9				
	1200	575	2.4	1.20	56HZ	H953	Auto	B		13.1		15	
		575	2.4	1.20	56	H965	None	B		12.2			
	1200	230/460	6.9-7.0/3.5	1.15	145T	E1008 	None	B	E+	13.8	84.0		
6.6/3.3			1.15	184T	E207V1 	None	F	E+3(NP)	13.7	87.5			

Notes:

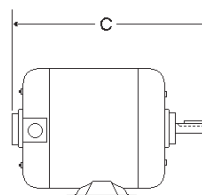
- 6. 50/60 HZ
- 15. 56 HZ = 7/8" x 2-5/16" shaft
- 23. Suitable for 200/400 V and 50 HZ
- 35. Quick Connect Design Bracket

Published efficiency on tri-voltage rated motors applies at 230/460 volts.
 Performance at 200 or 208 volts may not be in accordance with NEMA standards.
 Published efficiency on 200-208 volt motors applies at 200 volts.

Continued on next page




Motors specially designed, tested and warranted to be **Corona-Free** for compatible inverter duty are marked on this page with a . See page 1-3 of this catalog for more Speed Engineered® information.



Three Phase ODP Motors

Continued from previous page

Features:

- Ball Bearings
- Class B or F Insulation (as noted)
- Continuous Duty
- Energy Efficient \$
- Dripproof
- NEMA Design B
- Rigid Base
- Squirrel Cage
- Standard, EPAAct  CC001A (E-Plus®) and Premium (E-Plus® 3) Efficiency
- 1/4 thru 400 HP
- 1.15 Service Factor
- 40°C Ambient
- 60 Hz
- 3600, 1800 and 1200 RPM

- E-Plus® Motors meet the requirements of the Energy Policy Act of 1992. E-Plus® 3 motors exceed the requirements of the Energy Policy Act of 1992. **E+3(NP) is NEMA Premium Efficient.**



E1013

Applications: Pumps, fans, compressors, conveyors.

HP	RPM	Full Load		Frame	Stock Number	Protector	Insul. Class	Cast Iron	Type	"C" Dim.	Efficiency	Notes	
		Volts	Amps										
3	3600	200-230/460	8.4-7.4/3.7	145T	E1013 ⚡	None	B		E+	14.3	84.0		
		460/200-230	4.3/9.0-8.6	56HZ	H757	Auto	B			13.8		15,35	
	1800	200	9.8	182T	E202M ⚡	None	F		E+	13.7	86.5		
		200	8.9	182T	E216V1 ⚡	None	F		E+3(NP)	13.7	89.5		
		200-208	10.0-9.7	56HZ	H518	None	B			14.6		15	
		230/460	8.6/4.3	182T	E226M ⚡	None	F		E+	13.7	86.5		
		200-230/460	9.2-8.6/4.3	182T	E217V1 ⚡	None	F		E+3(NP)	13.7	89.5		
		460/200-230	4.4/9.0-8.8	56HZ	H887	Auto	B			14.6		15,35	
		460/230	4.4/8.8	56HZ	H539	None	B			14.6		15	
		575	3.6	56HZ	H955	Auto	B			14.6		15	
	1200	575	3.4	182T	E923 ⚡	None	F		E+3(NP)	13.7	89.5		
		575	3.4	182T	E224 ⚡	None	F		E+	13.7	86.5		
		200-230/460	10.5-10.0/5.0	213T	E314 ⚡	None	F		E+	17.5	86.5		
		230/460	9.3/4.65	213T	E394 ⚡	None	F		E+3(NP)	16.6	89.0		
5		3600	200-230/460	13.2-12.4/6.2	182T	E208 ⚡	None	F		E+	14.7	85.5	
			230/460	11.6/5.8	182T	E204 ⚡	None	F		E+3(NP)	14.6	91.0	
	460/208-230		6.6/13.4-13.2	56HZ	H847	Auto	B			15.1		15	
	1800	575	5.4	56HZ	H956	Auto	B			15.1		15	
		200	14.8	184T	E203M ⚡	None	F		E+	13.7	87.5		
		200	15.7	184T	E218 ⚡	None	F		E+3(NP)	13.7	89.5		
		200-208	16.0/16.0	184T	R213M	None	B			12.6	84.0		
		200-208	16.0-16.0	184T	R239	Auto	B			14.1	84.0	1	
		230/460	12.8/6.4	184T	E227M ⚡	None	F		E+	13.7	87.5		
		200-230/460	15.3-12.8/6.4	184T	E2001	Auto	F		E+	13.7	87.5		
1200	200-230/460	14.5-13.6/6.8	184T	E219 ⚡	None	F		E+3(NP)	13.7	89.5			
	575	5.4	184T	E924 ⚡	None	F		E+3(NP)	13.7	89.5			
	575	5.1	184T	E225 ⚡	None	F		E+	13.7	87.5			
	200-230/460	16.7-15.6/7.8	215T	E315 ⚡	None	F		E+	17.5	87.5			
	230/460	15.2/7.6	215T	E395 ⚡	None	F		E+3(NP)	17.6	89.5			

Notes:

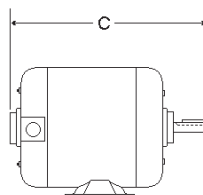
1. To be discontinued when stock is depleted
15. 56 HZ = 7/8" x 2-5/16" shaft
35. Quick Connect design bracket

Published efficiency on tri-voltage rated motors applies at 230/460 volts. Performance at 200 or 208 volts may not be in accordance with NEMA standards. Published efficiency on 200-208 volt motors applies at 200 volts.




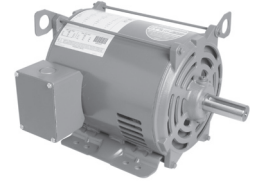
Motors specially designed, tested and warranted to be **Corona-Free** for compatible inverter duty are marked on this page with a ⚡. See page 1-3 of this catalog for more Speed Engineered® information.

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Features:

- Ball Bearings
- Class B or F Insulation (as noted)
- Continuous Duty
- Energy Efficient \$
- Dripproof
- NEMA Design B
- Rigid Base
- Squirrel Cage
- Standard, EPAAct  CC001A (E-Plus®) and Premium (E-Plus® 3) Efficiency
- 1/4 thru 400 HP
- 1.15 Service Factor
- 40°C Ambient
- 60 Hz
- 3600, 1800 and 1200 RPM
- E-Plus® Motors meet the requirements of the Energy Policy Act of 1992. E-Plus® 3 motors exceed the requirements of the Energy Policy Act of 1992. **E+3(NP) is NEMA Premium Efficient.**



E209

Applications: Pumps, fans, compressors, conveyors.

HP	RPM	Full Load		Frame	Stock Number	Protector	Insul. Class	Cast Iron	"C" Type	"C" Dim.	Efficiency	Notes
		Volts	Amps									
7-1/2	3600	200-230/460	20.2-17.8/8.9	184T	E209 ⚡	None	F		E+	14.7	87.5	
		230/460	17.2/8.6	184T	E205 ⚡	None	F		E+3(NP)	15.6	90.2	
	1800	200	22.3	213T	E302M ⚡	None	F		E+	17.5	88.5	
		200	22.3	213T	E316 ⚡	None	F		E+3(NP)	17.5	91.7	8
		200	26.9	213T	R314	None	F			17.3		
		200-230/460	22.4-19.4/9.7	213T	E300M ⚡	None	F		E+	17.5	88.5	
	200-230/460	22.4-19.4/9.7	213T	E2002	Auto	F		E+	17.3	88.5		
	200-230/460	21.5-19.4/9.7	213T	E317 ⚡	None	F		E+3(NP)	17.5	91.7	8	
	575	7.5	213T	E925 ⚡	None	F		E+3(NP)	17.5	91.0		
	575	7.8	213T	E324 ⚡	None	F		E+	17.5	88.5		
1200	200-230/460	24.0-22.6/11.3	254T	E414 ⚡	None	F		E+	22.1	88.5		
	200-230/460	23.5-21.0/10.5	254T	E496 ⚡	None	F		E+3(NP)	22.4	90.2		
10	3600	200-230/460	27.4-23.2/11.6	213T	E308 ⚡	None	F		E+	17.5	88.5	
		230/460	22.0/11.0	213T	E392 ⚡	None	F		E+3(NP)	16.8	91.7	
	1800	200	32.6	215T	R315	None	F			17.3		
		200	30.8	215T	E303 ⚡	None	F		E+	17.3	89.5	8
		200	29.0	215T	E331 ⚡	None	F		E+3(NP)	17.5	91.7	8
		200-230/460	29.3-26.8/13.4	215T	E301M ⚡	None	F		E+	17.5	89.5	
	200-230/460	28.0-25.2/12.6	215T	E397 ⚡	None	F		E+3(NP)	17.3	91.7	8	
	575	10.1	215T	E926 ⚡	None	F		E+3(NP)	17.3	91.7	8	
	575	10.3	215T	E325 ⚡	None	F		E+3	17.3	89.5		
	1200	200-230/460	32.0-28.4/14.2	256T	E415 ⚡	None	F		E+	22.1	90.2	
200-230/460		29.0-27.0/13.5	256T	E497 ⚡	None	F		E+3(NP)	23.9	91.7		
15	3600	230/460	34.0/17.0	215T	E309 ⚡	None	F		E+	17.3	89.5	
		230/460	32.8/16.4	215T	E393 ⚡	None	F		E+3(NP)	17.5	91.7	
	1800	200	42.2	254T	E454VI ⚡	None	F		E+	22.1	91.0	
		200	43.4	254T	E450 ⚡	None	F		E+3(NP)	22.1	93.0	
		200	45.6	254T	R402	None	F			20.9	87.5	51
		200-230/460	42.5-37.8/18.9	254T	E451 ⚡	None	F		E+3(NP)	22.1	93.0	
	200-230/460	41.0-37.4/18.7	254T	E449V1 ⚡	None	F		E+	22.1	91.0		
	575	15.1	254T	E927 ⚡	None	F		E+3(NP)	22.1	93.0		
	575	15.4	254T	E446 ⚡	None	F		E+	20.9	91.0	8,51	
	1200	230/460	39.2/19.6	284T	E586 ⚡	None	F	√	E+3(NP)	23.4	92.4	1
200-230/460		47.5-42.0/21.0	284T	E511 ⚡	None	F		E+	24.2	90.2		
		200-230/460	46.6-43.0/21.5	284T	E586M	None	F		E+3(NP)	24.3	91.7	

Notes:

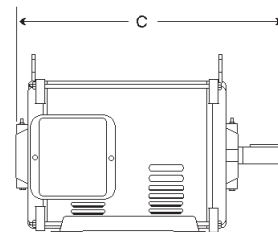
1. To be discontinued when stock is depleted
8. NEMA Design A
51. Use downsize 250 Frame C & D Flange Kits (D-Flange Kit part #800289-01; C-Flange Kit part # 800288-01)

Published efficiency on tri-voltage rated motors applies at 230/460 volts. Performance at 200 or 208 volts may not be in accordance with NEMA standards. Published efficiency on 200-208 volt motors applies at 200 volts.

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Motors specially designed, tested and warranted to be **Corona-Free** for compatible inverter duty are marked on this page with a ⚡. See page 1-3 of this catalog for more Speed Engineered® information.

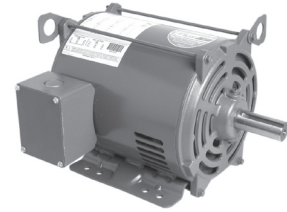


Three Phase ODP Motors

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Features:

- Ball Bearings
- Class F Insulation
- Continuous Duty
- Energy Efficient \$
- Dripproof
- NEMA Design B
- Rigid Base
- Squirrel Cage
- Standard, EPAct  CC001A (E-Plus®) and Premium (E-Plus® 3) Efficiency
- 1/4 thru 400 HP
- 1.15 Service Factor
- 40°C Ambient
- 60 Hz
- 3600, 1800 and 1200 RPM
- E-Plus® Motors meet the requirements of the Energy Policy Act of 1992. E-Plus® 3 motors exceed the requirements of the Energy Policy Act of 1992. **E+3(NP) is NEMA Premium Efficient.**



E408

Applications: Pumps, fans, compressors, conveyors.

HP	RPM	Volts	Full Load Amps	Frame	Stock Number	Insl. Class	Cast Iron	Type	"C" Dim.	Efficiency	Notes
20	3600	230/460	48.0/24.0	254T	E494 ⚡	F		E+3(NP)	22.1	91.0	23
		200-230/460	41.0-49.0/24.5	254T	E408 ⚡	F		E+	22.1	90.2	23
	1800	200	57.0	256T	E456 ⚡	F		E+	22.1	91.0	
		200	57.0	256T	E452 ⚡	F		E+3(NP)	22.1	93.6	
		200	61.6	256T	R405	F			22.1	87.5	
		200-230/460	56.0-49.6/24.8	256T	E457 ⚡	F		E+	22.1	91.0	23
		230/460	49.0/24.5	256T	E407 ⚡	F		E+3(NP)	22.1	93.6	23
		575	19.6	256T	E928 ⚡	F		E+3(NP)	22.1	93.0	
	1200	200-230/460	62.2-56.0/28.0	286T	E512 ⚡	F		E+	24.3	91.0	23
			51.6/25.8	286T	T35059 ⚡	F	√	E+3(NP)	25.3	92.4	11 New!
230/460		66.0-59.0/29.5	256T	E409 ⚡	F		E+	22.1	91.0	23	
230/460		57.0/28.5	256T	E495 ⚡	F		E+3(NP)	22.1	91.7	23	
25	1800	200	69.8	284T	E545 ⚡	F		E+	24.3	91.7	
		200	70.0	284T	E513 ⚡	F		E+3(NP)	24.2	93.6	
		200	76.0	284T	R502	F			24.3	88.5	
		200-230/460	70.5-60.6/30.3	284T	E546 ⚡	F		E+	24.3	91.7	23
	230/460	61.0/30.5	284T	E514 ⚡	F		E+3(NP)	24.3	93.6	23	
	575	24.3	284T	E594 ⚡	F		E+	24.3	91.7		
	575	24.5	284T	E929 ⚡	F		E+3(NP)	24.3	93.6		
	1200	230/460	61/30.5	324T	T35060 ⚡	F	√	E+3(NP)	26.3	93.0	11,362,364 New!
30	3600	230/460	72.0/36.0	284TS	E5001 ⚡	F		E+	22.9	91.0	23
		230/460	65.0-69.0/34.5	284TS	E584 ⚡	F		E+3(NP)	22.9	91.7	23
	1800	200	83.0	286T	R506	F			24.3	90.2	
		200	86.5	286T	E547 ⚡	F		E+	24.3	92.4	
		200	83.3	286T	E515 ⚡	F		E+3	24.3	93.6	1
		200	82.2	286T	E515V2 ⚡	F		E+3(NP)	25.8	94.1	
		200-230/460	85.0-75.0/37.5	286T	E548 ⚡	F		E+	24.2	92.4	23
		230/460	73.2/36.6	286T	E516V2 ⚡	F		E+3(NP)	25.8	94.1	
	1200	575	30.0	286T	E595 ⚡	F		E+	24.3	92.4	
			28.5	286T	E930V1	F		E+3(NP)	25.8	94.1	
		230/460	76.0/38.0	326T	E637 ⚡	F	√	E+3(NP)	27.9	93.6	1
		230/460	71.4/35.7	326T	T35061 ⚡	F	√	E+3(NP)	27.8	93.6	11,362,364 New!

Notes:

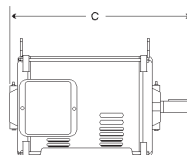
1. Item to be discontinued when stock is depleted
11. C flange kit available
23. Suitable for 200/400 Volt and 50 HZ
362. 12 lead – capability for Y Start-Delta Run
364. Open bearings with regreasing provisions

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Published efficiency on tri-voltage rated motors applies at 230/460 volts. Performance at 200 or 208 volts may not be in accordance with NEMA standards. Published efficiency on 200-208 volt motors applies at 200 volts.

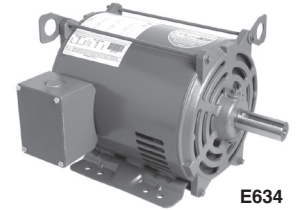


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Features:

- Ball Bearings
- Class F Insulation
- Continuous Duty
- Energy Efficient \$
- Dripproof
- NEMA Design B
- Rigid Base
- Squirrel Cage
- Standard, EPAct (E-Plus®) and Premium (E-Plus® 3) Efficiency
- 1/4 thru 400 HP
- 1.15 Service Factor
- 40°C Ambient
- 60 Hz
- 3600, 1800 and 1200 RPM
- E-Plus® Motors meet the requirements of the Energy Policy Act of 1992. E-Plus® 3 motors exceed the requirements of the Energy Policy Act of 1992. **E+3(NP) is NEMA Premium Efficient.**



Applications: Pumps, fans, compressors, conveyors.

HP	RPM	Volts	Full Load Amps	Frame	Stock Number	Insul. Class	Cast Iron	Type	"C" Dim.	Efficiency	Notes
40	3600	200-230/460	107.0-91.0/45.5	286TS	E5002R ⚡	F		E+	22.9	91.7	23
		230/460	90.0/45.0	286TS	E585 ⚡	F		E+3(NP)	22.9	92.4	23
	1800	200	113.0	324T	E608R ⚡	F		E+	26.8	93.0	
		200-230/460	112.0-98.0/49.0	324T	E600R ⚡	F		E+	26.8	93.0	23
		200-230/460	107.0-95.0/47.5	324T	E600 ⚡	F	✓	E+	27.9	93.0	1,23
		200-230/460	109.6-98.0/49.0	324T	T24037 ⚡	F	✓	E+	26.3	93.0	23,362,364 New!
		230/460	95.0/47.5	324T	E625 ⚡	F	✓	E+3(NP)	27.9	94.1	1,11,23
		230/460	97.0/48.5	324T	T35037 ⚡	F	✓	E+3(NP)	26.3	94.1	11,362,364 New!
		200	111.6	324T	T33037 ⚡	F	✓	E+3(NP)	26.3	94.1	11,362,364 New!
		575	39.5	324T	E646R ⚡	F		E+	26.8	93.0	
		575	38.0	324T	E931 ⚡	F	✓	E+3(NP)	27.9	94.1	1,11
		575	38.8	324T	T37037 ⚡	F	✓	E+3(NP)	26.3	94.1	11,362,364 New!
	1200	230/460	98.4/49.2	364T	T35062 ⚡	F	✓	E+3(NP)	29.1	94.1	11,362,364 New!
	50	3600	230/460	118.0/59.0	324TS	E634 ⚡	F	✓	E+3(NP)	24.5	93.0
230/460			118.0/59.0	324TS	T35013 ⚡	F	✓	E+3(NP)	24.8	93.0	11,362,364 New!
1800		200	141.0	326T	E607R ⚡	F		E+	28.3	93.0	
		200-230/460	138.5-122.0/61.0	326TS	E649R ⚡	F		E+	26.0	93.0	23
		200-230/460	138.5-122.0/61.0	326T	E601R ⚡	F		E+	26.8	93.0	23
		200-230/460	135.4-116.0/58.0	326T	T24038 ⚡	F	✓	E+	27.8	93.0	11,23,362,364 New!
		200	137.0	326T	E910 ⚡	F	✓	E+3(NP)	27.9	94.5	1,11
		200	139.2	326T	T33038 ⚡	F	✓	E+3(NP)	27.8	94.5	11,364,365 New!
		230/460	118.0/59.0	326T	E627 ⚡	F	✓	E+3(NP)	27.9	94.5	1,11,23
		230/460	121.0/60.5	326T	T35038 ⚡	F	✓	E+3(NP)	37.8	94.5	11,362,364 New!
		575	49.0	326T	E647R ⚡	F		E+	28.3	93.0	
		575	47.0	326T	E932 ⚡	F	✓	E+3(NP)	27.9	94.5	1,11
575		40.0	326T	T37038 ⚡	F	✓	E+3(NP)	27.8	94.5	11,364,365 New!	
1200		230/460	119.0/59.5	365T	E731V2 ⚡	F	✓	E+3(NP)	30.0	94.1	1,11,23
	230/460	123.0/61.5	365T	T35063 ⚡	F	✓	E+3(NP)	30.1	94.1	11,362,364 New!	

Notes:

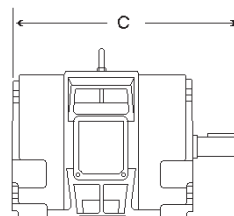
1. Item to be discontinued when stock is depleted
11. C flange kit available
13. Six Lead Motor Suitable for Part Winding Start
23. Suitable for 200/400 Volt and 50 HZ
362. 12 lead – capability for Y Start-Delta Run
364. Open bearings with regreasing provisions
365. 3 leads

Continued on next page



Motors specially designed, tested and warranted to be **Corona-Free** for compatible inverter duty are marked on this page with a ⚡. See page 1-3 of this catalog for more Speed Engineered® information.


Published efficiency on tri-voltage rated motors applies at 230/460 volts. Performance at 200 or 208 volts may not be in accordance with NEMA standards. Published efficiency on 200-208 volt motors applies at 200 volts.

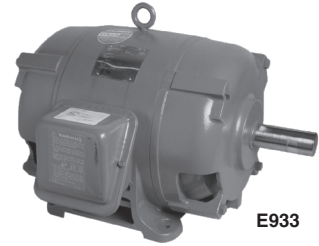


Three Phase ODP Motors

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Features:

- Ball Bearings
- Class B or F Insulation (as noted)
- Continuous Duty
- Energy Efficient \$
- Dripproof
- NEMA Design B
- Rigid Base
- Squirrel Cage
- Standard, EPAct  CC001A (E-Plus®) and Premium (E-Plus® 3) Efficiency
- 1/4 thru 400 HP
- 1.15 Service Factor
- 40°C Ambient
- 60 Hz
- 3600, 1800 and 1200 RPM
- E-Plus® Motors meet the requirements of the Energy Policy Act of 1992. E-Plus® 3 motors exceed the requirements of the Energy Policy Act of 1992. **E+3(NP) is NEMA Premium Efficient.**



Applications: Pumps, fans, compressors, conveyors.

HP	RPM	Volts	Full Load Amps	Frame	Stock Number	Insul. Class	Cast Iron	Type	"C" Dim.	Efficiency	Notes
60	3600	230/460	138.0/69.0	326TS	E635 ⚡	F	✓	E+3(NP)	26.4	93.6	1,23
		230/460	140.0/70.0	326TS	T35014 ⚡	F	✓	E+3(NP)	26.3	93.6	11,362,364 New!
	1800	230/460	142.0/71.0	364TS	TS17039 ⚡	F	✓	E+3(NP)	26.3	95.0	11,362,364 New!
		200-230/460	161.4-144.0/72.0	364TS	TS14039 ⚡	F	✓	E+	29.1	93.6	11,23,362,364 New!
		200	165.0	364T	E734 ⚡	F	✓	E+3(NP)	27.8	95.0	1
		200	163.3	364T	T33039 ⚡	F	✓	E+3(NP)	29.1	95.0	11,364,366 New!
		230/460	140.0/70.0	364T	E716V2 ⚡	F	✓	E+3(NP)	30.0	95.0	1,23
		230/460	142.0/71.0	364T	T35039 ⚡	F	✓	E+3(NP)	29.1	95.0	11,362,364 New!
		200-230/460	160.0-140.0/70.0	364T	E700 ⚡	F	✓	E+	30.0	93.6	1,11,23
		200-230/460	161.4-144.0/72.0	364T	T24039 ⚡	F	✓	E+	29.1	93.6	11,362,364 New!
		575	57.0	364T	E763 ⚡	F	✓	E+	30.0	93.6	1,11
		575	57.6	364T	T26039 ⚡	F	✓	E+	29.1	93.6	11,364,366 New!
	575	57.0	364T	E933 ⚡	F	✓	E+3(NP)	30.0	95.0	1,11	
	575	57.0	364T	T37039 ⚡	F	✓	E+3(NP)	29.1	95.0	11,364,366 New!	
1200	230/460	144.0/72.0	404T	E758V1 ⚡	F	✓	E+3(NP)	34.6	94.5	1,11,23	
	230/460	146.0/73.0	404T	T35064 ⚡	F	✓	E+3(NP)	33.1	94.5	11,362,364 New!	
75	3600	230/460	170.0/85.0	364TS	T35015 ⚡	F	✓	E+3(NP)	27.0	93.6	11,362,364 New!
		1800	230/460	176.0/88.0	365TS	TS17040 ⚡	F	✓	E+3(NP)	28.0	95.0
	1800	200	200.0	365T	E735 ⚡	F	✓	E+3(NP)	30.0	95.0	1
		200	202.4	365T	T33040 ⚡	F	✓	E+3(NP)	30.1	95.0	11,364,366 New!
		200-230/460	200.8-178.0/89.0	365TS	TS14040 ⚡	F	✓	E+	28.0	94.1	11,23,362,364 New!
		200-230/460	197.0-174.0/87.0	365T	E701 ⚡	F	✓	E+	30.0	94.1	1,11,23
		200-230/460	200.8-178.0/89.0	365T	T24040 ⚡	F	✓	E+	30.1	94.1	11,362,364 New!
		230/460	176.0/88.0	365T	T35040 ⚡	F	✓	E+3(NP)	30.1	95.0	11,362,364 New!
		575	69.0	365T	E767 ⚡	F	✓	E+	30.0	94.1	1,11
		575	71.2	365T	T26040 ⚡	F	✓	E+	30.1	94.1	11,364,366 New!
		575	69.0	365T	E934 ⚡	F	✓	E+3(NP)	30.0	95.0	1
		575	70.0	365T	T37040 ⚡	F	✓	E+3(NP)	30.1	95.0	11,364,366 New!
	1200	230/460	180.0/90.0	405T	E759 ⚡	F	✓	E+3(NP)	37.5	94.5	1,23
		230/460	184.0/92.0	405T	T35065 ⚡	F	✓	E+3(NP)	34.6	94.5	11,362,364 New!

Notes:

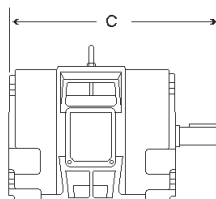
- Item to be discontinued when stock is depleted
- C flange kit available
- Six Lead Motor Suitable for Part Winding Start
- Suitable for 200/400 Volt and 50 HZ
- 12 lead – capability for Y Start-Delta Run
- Open bearings with regreasing provisions
- 6 leads

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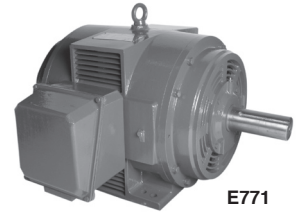
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Published efficiency on tri-voltage rated motors applies at 230/460 volts. Performance at 200 or 208 volts may not be in accordance with NEMA standards. Published efficiency on 200-208 volt motors applies at 200 volts.



Features:

- Ball Bearings
- Class B or F Insulation (as noted)
- Continuous Duty
- Energy Efficient \$
- Dripproof
- NEMA Design B, unless noted
- Rigid Base
- Squirrel Cage
- Standard, E-Plus[®] (E-Plus[®]) and Premium (E-Plus[®] 3) Efficiency
- 1/4 thru 400 HP
- 1.15 Service Factor
- 40°C Ambient
- 60 Hz
- 3600, 1800 and 1200 RPM
- E-Plus[®] Motors meet the requirements of the Energy Policy Act of 1992. E-Plus[®] 3 motors exceed the requirements of the Energy Policy Act of 1992. **E+3(NP) is NEMA Premium Efficient.**



Applications: Pumps, fans, compressors, conveyors.

HP	RPM	Volts	Full Load Amps	Frame	Stock Number	Insul. Class	Cast Iron	Type	"C" Dim.	Efficiency	Notes
100	3600	230/460	226.0/113.0	365TS	T35016 ⚡	F	✓	E+3(NP)	28.0	93.6	8,11,362,364 New!
		200	264.5	404T	T33041 ⚡	F	✓	E+3(NP)	33.1	95.4	8,11,364,366 New!
	1800	460	119.0	404TS	E776V1 ⚡	F	✓	E+	31.6	94.1	1,11
		200-230/460	236.6-234.0/117.0	404TS	TS14041 ⚡	F	✓	E+	30.1	94.1	8,11,362,364 New!
		230/460	230.0/115.0	404TS	TS17041 ⚡	F	✓	E+3(NP)	30.1	95.4	8,11,362,364 New!
		200-230/460	236.6-234.0/117.0	404T	T24041 ⚡	F	✓	E+	33.1	94.1	8,11,362,364 New!
		230/460	230.0/115.0	404T	T35041 ⚡	F	✓	E+3(NP)	33.1	95.4	8,11,362,364 New!
		575	91.0	404T	E771 ⚡	F	✓	E+	34.6	94.1	1,11
		575	94.0	404T	T26041 ⚡	F	✓	E+3(NP)	34.6	94.1	8,11,364,366 New!
		575	95.0	404T	E935 ⚡	F	✓	E+3(NP)	34.6	95.4	1,11
125	3600	230/460	240.0/120.0	444T	T35066 ⚡	F	✓	E+3(NP)	37.7	95.0	8,11,362,364 New!
		460	139.0	404TS	E756 ⚡	F	✓	E+3(NP)	31.6	94.1	1,11,13
	1800	230/460	284.0/142.0	404TS	T35017 ⚡	F	✓	E+3(NP)	30.1	94.1	8,11,362,364 New!
		200-230/460	301.6-289.0/144.5	405T	T24042 ⚡	F	✓	E+	34.6	94.5	8,11,362,364 New!
		230/460	287.0/143.5	405TS	TS17042 ⚡	F	✓	E+3(NP)	31.6	95.4	8,11,362,364 New!
		460	144.0	405T	E752 ⚡	F	✓	E+3(NP)	34.6	95.4	1,11,13
		230/460	287.0/143.5	405T	T35042 ⚡	F	✓	E+3(NP)	34.6	95.4	8,11,362,364 New!
		460	145.5	405TS	E773V1 ⚡	F	✓	E+	31.6	94.5	1,11,13
		200-230/460	301.6-289.0/144.5	405TS	TS14042 ⚡	F	✓	E+	31.6	94.5	8,11,362,364 New!
		575	116.0	405T	T26042 ⚡	F	✓	E+	34.6	94.5	8,11,364,366 New!
1200	3600	230/460	287.0/143.5	405T	T35042 ⚡	F	✓	E+3(NP)	34.6	95.4	8,11,362,364 New!
		460	145.5	405TS	E773V1 ⚡	F	✓	E+	31.6	94.5	1,11,13
	1800	200-230/460	301.6-289.0/144.5	405TS	TS14042 ⚡	F	✓	E+	31.6	94.5	8,11,362,364 New!
		575	116.0	405T	T26042 ⚡	F	✓	E+	34.6	94.5	8,11,364,366 New!
		575	115.0	405T	E936 ⚡	F	✓	E+3(NP)	34.6	95.4	1,11,13
		575	115.0	405T	T37042 ⚡	F	✓	E+3(NP)	34.6	95.4	8,11,364,366 New!
		460	156.0	445T	E4126 ⚡	F	✓	E+3(NP)	39.8	95.0	1,11,13
		230/460	303.0/151.5	445T	T35067 ⚡	F	✓	E+3(NP)	39.7	95.0	8,11,362,364 New!

Notes:

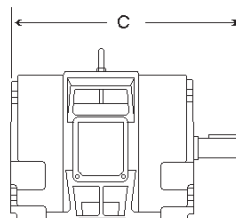
1. Item to be discontinued when stock is depleted
8. Nema design A
11. C flange kit available
13. Six Lead Motor Suitable for Part Winding Start
23. Suitable for 200/400 Volt and 50 HZ
362. 12 lead – capability for Y Start-Delta Run
364. Open bearings with regreasing provisions
365. 3 leads
366. 6 leads

Continued on next page



Motors specially designed, tested and warranted to be **Corona-Free** for compatible inverter duty are marked on this page with a ⚡. See page 1-3 of this catalog for more Speed Engineered[®] information.


Published efficiency on tri-voltage rated motors applies at 230/460 volts.
 Performance at 200 or 208 volts may not be in accordance with NEMA standards.
 Published efficiency on 200-208 volt motors applies at 200 volts.

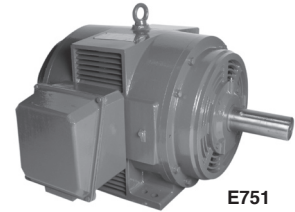


Three Phase ODP Motors

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Features:

- Ball Bearings
- Class B or F Insulation (as noted)
- Continuous Duty
- Energy Efficient \$
- Dripproof
- NEMA Design B, unless noted
- Rigid Base
- Squirrel Cage
- Standard, EPAct  CC001A (E-Plus®) and Premium (E-Plus® 3) Efficiency
- 1/4 thru 400 HP
- 1.15 Service Factor
- 40°C Ambient
- 60 Hz
- 3600, 1800 and 1200 RPM
- E-Plus® Motors meet the requirements of the Energy Policy Act of 1992. E-Plus® 3 motors exceed the requirements of the Energy Policy Act of 1992. **E+3(NP) is NEMA Premium Efficient.**



Applications: Pumps, fans, compressors, conveyors.

HP	RPM	Volts	Full Load Amps	Frame	Stock Number	Insul. Class	Cast Iron	Type	"C" Dim.	Efficiency	Notes	
150	3600	460	162.0	405TS	E757V1 ⚡	F	✓	E+3(NP)	31.6	94.1	1,11,13	
		230/460	338.0/169.0	405TS	T35018 ⚡	F	✓	E+3(NP)	31.6	94.1	8,11,362,364 New!	
	1800	460	164.0	444T	E4124 ⚡	F	✓	E+	39.8	95.0	1,11,13	
		200-230/460	353.6-345.0/172.5	444T	T24043 ⚡	F	✓	E+	37.7	95.0	8,11,23,362,364 New!	
		460	165.0	444TS	E4106 ⚡	F	✓	E+3(NP)	36.1	95.8	1,11,13	
		230/460	343.0/171.5	444TS	TS17043 ⚡	F	✓	E+3(NP)	33.9	95.8	8,11,364,366 New!	
		460	165.0	444T	E846 ⚡	F	✓	E+3(NP)	37.3	95.8	1,11,13	
		460	164.0	444T	E4127 ⚡	F	✓	E+3(NP)	39.8	95.8	1,11,13	
		230/460	343.0/171.5	444T	T35043 ⚡	F	✓	E+3(NP)	37.7	95.8	8,11,362,364 New!	
		575	132.0	444T	E4103 ⚡	F	✓	E+3(NP)	39.8	95.8	1,11	
	1200	575	137.0	444T	T37043 ⚡	F	✓	E+3(NP)	37.7	95.8	8,11,364,366 New!	
		575	138.0	444T	T26043 ⚡	F	✓	E+	37.7	95.0	8,11,364,366 New!	
		460	180.0	447T	E4137 ⚡	F	✓	E+3(NP)	44.0	95.4	1,11,13	
		230/460	358.0/179.0	447T	T35068 ⚡	F	✓	E+3(NP)	43.2	95.4	8,11,362,364 New!	
200		3600	460	225.0	444TS	E856 ⚡	F	✓	E+3(NP)	36.1	95.0	1,11
			460	225.0	444TS	T35019 ⚡	F	✓	E+3(NP)	33.9	95.0	8,11,65,364 New!
	1800	460	229.0	445T	T24044 ⚡	F	✓	E+	39.7	95.0	8,11,362,364 New!	
		460	224.0	445TS	E4107 ⚡	F	✓	E+3(NP)	36.1	95.8	1,11,13	
		460	228.0	445TS	TS17044 ⚡	F	✓	E+3(NP)	35.9	95.8	8,11,362,364 New!	
		460	218.0	445T	E4128 ⚡	F	✓	E+3(NP)	39.8	95.8	1,11,13	
		460	228.0	445T	T35044 ⚡	F	✓	E+3(NP)	39.7	95.8	8,11,362,364 New!	
		575	180.0	445T	E4104 ⚡	F	✓	E+3(NP)	39.8	95.8	1,11,13	
		575	182.0	445T	T37044 ⚡	F	✓	E+3(NP)	39.7	95.8	8,11,364,366 New!	
		575	229.0	445T	T26044 ⚡	F	✓	E+	39.7	95.0	8,11,364,366 New!	
	1200	460	240.0	449T	E4129 ⚡	F	✓	E+3(NP)	48.3	95.4	1,11,13,328	
		460	238.0	449T	T35069 ⚡	F	✓	E+3(NP)	44.7	95.4	8,11,362,364 New!	
	250	3600	460	273.0	445TS	E900 ⚡	F	✓	E+3(NP)	36.1	95.0	1,11
		1800	460	274.0	447T	E4130 ⚡	F	✓	E+3(NP)	44.0	95.8	1,11,13
1200		460	296.0	449T	E4131 ⚡	F	✓	E+3(NP)	48.3	95.4	1,11,13,328	
300	3600	460	334.0	447TS	E901 ⚡	F	✓	E+3(NP)	40.3	95.4	1,11	
	1800	460	331.0	449T	E4132 ⚡	F	✓	E+3(NP)	48.3	95.8	1,11,13,328	
	1200	460	354.0	449T	E4133 ⚡	F	✓	E+3(NP)	48.3	95.4	1,11,13,328	
400	1800	460	437.0	449T	E4135 ⚡	F	✓	E+3(NP)	51.0	95.8	1,11,13,328	

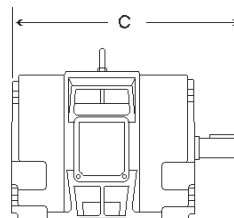
Notes:

1. Item to be discontinued when stock is depleted
8. Nema design A
11. C flange kit available
13. Six Lead Motor Suitable for Part Winding Start
23. Suitable for 200/400 Volt and 50 HZ
65. Six lead, Wye Delta
328. Square Frame
362. 12 lead – capability for Y Start-Delta Run
364. Open bearings with regreasing provisions
366. 6 leads




Motors specially designed, tested and warranted to be **Corona-Free** for compatible inverter duty are marked on this page with a ⚡. See page 1-3 of this catalog for more Speed Engineered® information.

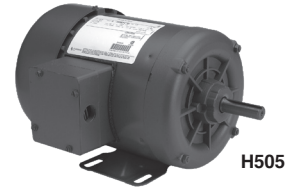
Published efficiency on tri-voltage rated motors applies at 230/460 volts. Performance at 200 or 208 volts may not be in accordance with NEMA standards. Published efficiency on 200-208 volt motors applies at 200 volts.



Three Phase TEFC Motors

Features:

- Ball Bearings
- Class A, B or F Insulation (as noted)
- Continuous Duty
- Energy Efficient \$
- NEMA Design B
- Rigid Base
- Squirrel Cage
- Totally Enclosed
- No Protector
- Standard, EPAct  CC001A (E-Plus[®]) and Premium (E-Plus[®] 3) Efficiency
- 1/4 thru 400 HP
- 1.15 Service Factor
- 40°C Ambient
- 60 Hz
- 56 Frame and larger
- 3600, 1800 and 1200 RPM
- E-Plus[®] Motors meet the requirements of the Energy Policy Act of 1992. E-Plus[®] 3 motors exceed the requirements of the Energy Policy Act of 1992. **E+3(NP) is NEMA Premium Efficient.**



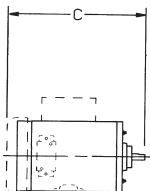
Applications:

Pumps, fans, compressors, conveyors, machine tools, designed to stand up to abusive treatment..moist, dirty, dusty and factory applications.

HP	RPM	Volts	Full Load Amps	Frame	Stock Number	Insul. Class	Cast Iron	Type	"C" Dim.	Efficiency	Notes	
1/4	1800	208-230/460	1.4-1.5/0.75	48	H201A	B			8.5		6,14,49	
	1200	200-230/460	1.3-1.2/0.6	56	H205	B			10.1		14	
1/3	3600	200-230/460	1.3-1.4/0.7	56	H238	B			9.8		14	
		1800	208-230/460	1.2-1.2/0.6	48	H261	B		8.7		6,14,49	
	1200	200-230/460	1.3-1.2/0.6	56	H263	B			10.1		6,14	
		200-230/460	1.2-1.2/0.6	56	H688	B			11.0			
		200-230/460	1.8-1.6/0.8	56	H268	B			11.1		14	
1/2	3600	200-230/460	1.9-1.8/0.9	56	H271	B			9.8		14	
		1800	200-230/460	1.6-1.8/0.9	56	H274	B		11.1		14	
	1200	208-230/460	1.6-1.8/0.9	56	H868	B			11.0			
		575	0.7	56	H276	B			11.1		14	
		200-230/460	2.1-2.0/1.0	56	H280	B			11.1		14	
	3/4	3600	200-230/460	2.5-2.4/1.2	56	H448	B			11.1		14
			1800	200-230/460	2.3-2.4/1.2	56	H580	B		11.4		14
		1200	200-230/460	2.4-2.4/1.2	56	H869	B			11.0		
			575	0.8	56	H461	B			12.2		14
			200-230/460	3.2-3.2/1.6	56	H468	B			12.2		
1		3600	200-230/460	3.2-3.0/1.5	56	H505	B			11.2		
			575	1.15	56	H517	B			11.2		
		1800	200	3.1	143T	E123	B		E+	13.3	82.5	1
	200-208		3.5-3.3	143T	E130	F	✓	E+3	13.5	84.5	1,11	
	200		3.9	143T	T55026	F	✓	E+3 (NP)	13.2	85.5	11,363,365	
	200-230/460		3.3-3.4/1.7	56	H524	B			11.2			
	230/460		3.0/1.5	143T	E120	B		E+	13.7	82.5		
	200-230/460		4.3-2.9/1.45	143T	T46026	F	✓	E+	13.2	82.5	11,23,361,363	
	230/460		2.8/1.4	143T	T57026	F	✓	E+3 (NP)	13.2	85.5	11,361,363	
	575		1.4	56	H525	B			11.2			
	575		1.08	143T	E126	B		E+	13.3	82.5		
	575		1.2	143T	T48026	F	✓	E+	13.2	82.5	11,363,365	
	575	1.1	143T	T59026	F	✓	E+3 (NP)	13.2	85.5	11,363,365		
	1200	200-230/460	4.2-3.4/1.7	145T	T46051	F	✓	E+	13.2	80.0	11,23,361,363	
		200-230/460	4.2-3.8/1.9	56H	H528	B			13.4			
		200-230/460	3.8-3.6/1.8	145T	E8000	F	✓	E+3	13.4	82.5	1,11	
		230/460	3.8/1.9	145T	E1021	B		E+	13.2	80.0		
		230/460	3.4/1.7	145T	T57051	F	✓	E+3 (NP)	13.2	82.5	11,361,363	
		575	1.4	145T	E193	F	✓	E+	13.2	80.0	1,11	
		575	1.4	145T	T48051	F	✓	E+	13.2	80.0	11,363,365	
575		1.4	145T	T59051	F	✓	E+3 (NP)	13.2	82.5	11,363,365		


Notes:

- Item to be discontinued when present stock is depleted
 - 60/50 Hertz
 - C flange kit available
 - Suitable for 200/400 Volt and 50 HZ
 - TENV
 - 1.0 Service factor
 - 1.5 Service factor
 - TEAO
 - Motor is thermally protected
 - 65 degree C ambient
 - 9 leads
 - Double shielded bearings with no regreasing provisions
- Published efficiency on tri-voltage rated motors applies at 230/460 volts.
Performance at 200 or 208 volts may not be in accordance with NEMA standards.
Published efficiency on 200-208 volt motors applies at 200 volts.



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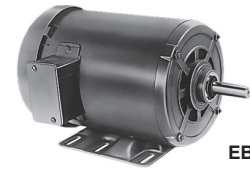
Motors specially designed, tested and warranted to be **Corona-Free** for compatible inverter duty are marked on this page with a . See page 1-3 of this catalog for more Speed Engineered[®] information.

Three Phase TEFC Motors

Continued from previous page

Features:

- Ball Bearings
- Class B or F Insulation (as noted)
- Continuous Duty
- Energy Efficient \$
- NEMA Design B
- No Protector
- Rigid Base
- Squirrel Cage
- Standard, EPAAct  CC001A (E-Plus[®]) and Premium (E-Plus[®] 3) Efficiency
- Totally Enclosed
- 1/4 thru 400 HP
- 1.15 Service Factor
- 40°C Ambient
- 56 Frame and larger
- 60 Hz
- 3600, 1800 and 1200 RPM
- E-Plus[®] Motors meet the requirements of the Energy Policy Act of 1992. E-Plus[®] 3 motors exceed the requirements of the Energy Policy Act of 1992. **E+3(NP) is NEMA Premium Efficient.**



EB3152V1

Applications:

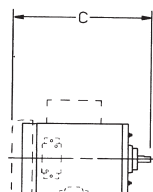
Pumps, fans, compressors, conveyors, machine tools, designed to stand up to abusive treatment..moist, dirty, dusty and factory applications.

HP	RPM	Volts	Full Load Amps	Frame	Stock Number	Insul. Class	Cast Iron	Type	"C" Dim.	Efficiency	Notes		
1-1/2	3600	200-230/460	4.5-4.2/2.1	56	H530	B			12.2				
		200-230/460	4.2-4.0/2.0	143T	E1009	B		E+	13.3	82.5			
		208-230/460	3.8/1.9	56HZ	EB3152V1	B			13.0	84.0	1,15		
		230/460	3.8/1.9	143T	E8001	F	√	E+3(NP)	13.4	84.0	1,11		
		200-230/460	5.0-4.4/2.2	143T	T46002	F	√	E+	13.2	82.5	11,23,361,363		
		230/460	3.8/1.9	143T	T57002	F	√	E+3(NP)	13.2	84.0	11,361,363		
		575	1.6	143T	E170	F	√	E+	13.2	82.5	1,11,19		
		575	1.8	143T	T48002	F	√	E+	13.2	82.5	11,363,365		
		575	1.5	143T	T59002	F	√	E+3(NP)	13.2	84.0	11,363,365		
		1800	575	200-208	4.9-4.7	145T	E124	B		E+	13.7	84.0	
				200	4.8	145T	T55027	F	√	E+3 (NP)	13.2	86.5	11,363,365 New!
				200-230/460	4.5-4.4/2.2	56H	H535	B			13.4		
				200-230/460	5.2-4.2/2.1	145T	T46027	F	√	E+	13.2	84.0	8,11,23,361,363
				200-230/460	4.6-4.2/2.1	145T	T57027	F	√	E+3(NP)	13.2	86.5	11,361,363
				230/460	4.2/2.1	145T	E121	B		E+	13.7	84.0	
				575	1.8	56	H575	B			12.2		1
575	1.56			145T	E127	B		E+	13.7	84.0			
575	1.7			145T	T48027	F	√	E+	13.2	84.0	11,363,365		
575	1.7			145T	T59027	F	√	E+3 (NP)	13.2	86.5	11,363,365		
1200	200-230/460			4.9-4.4/2.2	182T	E8002	F	√	E+3(NP)	16.0	87.5	1,11	
				5.4-4.6/2.3	182T	T46052	F	√	E+	15.4	85.5	11,23,361,363	
		4.8/2.4	182T	T57052	F	√	E+3 (NP)	15.4	87.5	11,361,363			
		1.8	182T	T48052	F	√	E+	15.4	85.5	11,363,365			
		1.9	182T	T59052	F	√	E+3 (NP)	15.4	87.5	11,363,365			
2	3600	200-230/460	6.0-5.5/2.75	56	H537	B			12.2				
		230/460	5.0/2.5	145T	E8003	F	√	E+3(NP)	13.4	85.5	1,11		
		208-230/460	5.0/2.5	56HZ	EB3202V1	B			13.5	85.0	1,15		
		200-230/460	5.9-5.4/2.7	143T	E1011	B		E+	14.2	84.0			
		200-230/460	5.8-5.2/2.6	145T	T46003	F	√	E+	13.2	84.0	11,23,361,363		
		230/460	5.0/2.5	145T	T57003	F	√	E+3 (NP)	13.2	85.5	11,361,363		
		575	2.1	145T	E171	F	√	E+	13.2	84.0	1,11		
		575	2.1	145T	T48003	F	√	E+	13.2	84.0	11,363,365		
		575	2.0	145T	T59003	F	√	E+3 (NP)	13.2	85.5	11,363,365		

Notes:

1. Item to be discontinued when stock is depleted
8. NEMA Design A
11. C flange kit available
23. Suitable for 200/400 Volt and 50 HZ
15. 56 HZ = 7/8" x 2-5/16" shaft
19. C & D Flange kit available
361. 9 leads
363. Double shielded bearings with no regreasing provisions
365. 3 leads

Published efficiency on tri-voltage rated motors applies at 230/460 volts. Performance at 200 or 208 volts may not be in accordance with NEMA standards. Published efficiency on 200-208 volt motors applies at 200 volts.



Continued on next page



Motors specially designed, tested and warranted to be Corona-Free for compatible inverter duty are marked on this page with a . See page 1-3 of this catalog for more Speed Engineered[®] information.

Features:

- Ball Bearings
- Class B or F Insulation (as noted)
- Continuous Duty
- Energy Efficient \$
- NEMA Design B
- No Protector
- Rigid Base
- Squirrel Cage
- Standard, E-Plus[®] (E-Plus[®] 3) and Premium (E-Plus[®] 3) Efficiency
- Totally Enclosed
- 1/4 thru 400 HP
- 1.15 Service Factor
- 40°C Ambient
- 56 Frame and larger
- 60 Hz
- 3600, 1800 and 1200 RPM
- E-Plus[®] Motors meet the requirements of the Energy Policy Act of 1992. E-Plus[®] 3 motors exceed the requirements of the Energy Policy Act of 1992. **E+3(NP) is NEMA Premium Efficient.**



E125

Applications:

Pumps, fans, compressors, conveyors, machine tools, designed to stand up to abusive treatment..moist, dirty, dusty and factory applications.

HP	RPM	Volts	Full Load Amps	Frame	Stock Number	Insul. Class	Cast Iron	Type	"C" Dim.	Efficiency	Notes		
2	1800	200	6.1	145T	E125 ⚡	B		E+	13.7	84.0			
		200-208	6.2-5.9	145T	E1018 ⚡	B		E+	15.7	84.0	1		
		200-208	6.5-6.2	145T	E152 ⚡	F	✓	E+3	13.2	86.5	1,11		
		200	6.4	145T	T55028 ⚡	F	✓	E+3 (NP)	13.2	86.5	11,363,365 New!		
		208-230/460	6.0-5.8/2.9	145T	H1032 ⚡	B			13.3		49,118,346		
		200-230/460	6.7-5.6/2.8	145T	T46028 ⚡	F	✓	E+	13.2	84.0	11,23,361,363		
		230/460	5.8-5.6/2.8	145T	T57028 ⚡	F	✓	E+3 (NP)	13.2	86.5	11,361,363		
		230/460	5.6/2.8	145T	E122 ⚡	B			13.7	84.0			
		575	2.2	56	H577	B			13.4		1		
		575	2.12	145T	E128 ⚡	B			E+	13.7	84.0		
		575	2.2	145T	T48028 ⚡	F	✓	E+	13.2	84.0	11,363,365		
		575	2.2	145T	T59028 ⚡	F	✓	E+3 (NP)	13.2	86.5	11,363,365		
		1200	200-230/460	200-230/460	6.7-6.0/3.0	184T	E8004 ⚡	F	✓	E+3	16.1	87.5	1,11
				200-230/460	7.3-6.2/3.1	184T	T46053 ⚡	F	✓	E+	15.4	86.5	11,23,361,363
230/460	6.3-5.8/2.9			182T	T57053 ⚡	F	✓	E+3 (NP)	15.4	88.5	11,361,363		
575	2.5			184T	T48053 ⚡	F	✓	E+	15.4	86.5	11,363,365		
575	2.3			184T	T59053 ⚡	F	✓	E+3 (NP)	15.4	88.5	11,363,365		

Notes:

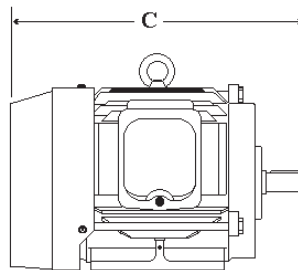
- Item to be discontinued when stock is depleted
- C Flange kit available
- Suitable for 200/400 Volt and 50 HZ
- 1.0 service factor
- TEAO
- 65 degree C ambient
- 9 leads
- Double shielded bearings with no regreasing provisions
- 3 leads

Published efficiency on tri-voltage rated motors applies at 230/460 volts.
Performance at 200 or 208 volts may not be in accordance with NEMA standards.
Published efficiency on 200-208 volt motors applies at 200 volts.

Continued on next page




Motors specially designed, tested and warranted to be **Corona-Free** for compatible inverter duty are marked on this page with a ⚡. See page 1-3 of this catalog for more Speed Engineered[®] information.



Three Phase TEFC Motors

Continued from previous page

Features:

- Ball Bearings
- Continuous Duty
- Energy Efficient \$
- NEMA Design B
- Rigid Base
- Squirrel Cage
- 56 Frame and larger
- 60 Hz
- Standard, EPAct  CC001A (E-Plus[®]) and Premium (E-Plus[®] 3) Efficiency
- Totally Enclosed
- 1/4 thru 400 HP
- 1.15 Service Factor
- 40°C Ambient
- Class B or F Insulation (as noted)
- 3600, 1800 and 1200 RPM
- E-Plus[®] Motors meet the requirements of the Energy Policy Act of 1992. E-Plus[®] 3 motors exceed the requirements of the Energy Policy Act of 1992. **E+3(NP) is NEMA Premium Efficient.**



E398

Applications:

Pumps, fans, compressors, conveyors, machine tools, designed to stand up to abusive treatment..moist, dirty, dusty and factory applications.

HP	RPM	Full Load Volts	Amps	Stock Frame	Insul. Number	Cast Class	Iron	"C" Type	Dim.	Efficiency	Notes
3	3600	200-230/460	9.6-9.8/4.9	56HZ	H738	B			15.0		15
		230/460	7.6/3.8	182T	E8005 ⚡	F	✓	E+3(NP)	16.0	86.5	1,8,11
		200-230/460	8.2-7.2/3.6	182T	T46004 ⚡	F	✓	E+	15.4	85.5	11,23,361,363
		230/460	7.2/3.6	182T	T57004 ⚡	F	✓	E+3 (NP)	15.4	86.5	11,361,363
		575	2.9	182T	T48004 ⚡	F	✓	E+	15.4	85.5	11,363,365
1800	1800	200	8.7	182T	T44029	F	✓	E+	15.4	87.5	11,365,363 New!
		200-208	9.2	182T	N214	F			15.8	84.0	234
		200-230/460	9.0-8.0/4.0	182T	E220 ⚡	F		E+	16.2	87.5	
		200-230/460	9.0-8.0/4.0	182T	T46029 ⚡	F	✓	E+	15.4	87.5	11,23,361,363
		200	9.0	182T	T55029 ⚡	F	✓	E+3 (NP)	15.4	89.5	11,363,365 New!
		230/460	7.8/3.9	182T	T57029 ⚡	F	✓	E+3 (NP)	15.4	89.5	11,361,363
		575	3.3	182T	E254 ⚡	F	✓	E+3	15.9	88.5	1,11
		575	3.2	182T	T48029 ⚡	F	✓	E+	15.4	87.5	11,363,365
		575	3.1	182T	T59029 ⚡	F	✓	E+3 (NP)	15.4	89.5	11,363,365
		1200	1200	230/460	8.4/4.2	213T	E8006 ⚡	F	✓	E+3(NP)	19.8
200-230/460	9.5-9.0/4.5			213T	E342 ⚡	F	✓	E+	19.5	87.5	1,11
200-230/460	9.9-8.9/4.45			213T	T46054 ⚡	F	✓	E+	19.4	87.5	11,23,362,363
230/460	8.6/4.3			213T	T57054 ⚡	F	✓	E+3 (NP)	19.4	89.5	11,362,363
575	3.6			213T	E398 ⚡	F	✓	E+	19.5	87.5	1,11
575	3.6			213T	T48054 ⚡	F	✓	E+	19.4	87.5	11,363,365
575	3.5			213T	T59054 ⚡	F	✓	E+3 (NP)	19.4	89.5	11,363,365

Notes:

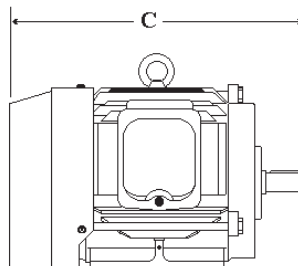
1. Item to be discontinued when stock is depleted
8. NEMA Design A
11. C flange kit available
15. 56 HZ = 7/8" x 2-5/16" shaft
23. Suitable for 200/400 Volt and 50 HZ
234. Century[®] nameplated product
361. 9 leads
362. 12 lead – Capability for Y Start-Delta Run
363. Double shielded bearings with no regreasing provisions
365. 3 leads

Continued on next page



Motors specially designed, tested and warranted to be **Corona-Free** for compatible inverter duty are marked on this page with a ⚡. See page 1-3 of this catalog for more Speed Engineered[®] information.

Published efficiency on tri-voltage rated motors applies at 230/460 volts.
Performance at 200 or 208 volts may not be in accordance with NEMA standards.
Published efficiency on 200-208 volt motors applies at 200 volts.



Features:

- Ball Bearings
- Continuous Duty
- Energy Efficient \$
- NEMA Design B
- Rigid Base
- Squirrel Cage
- 56 Frame and larger
- 60 Hz
- Standard, E-Plus[®] (E-Plus[®] 3) and Premium (E-Plus[®] 3) Efficiency
- Totally Enclosed
- 1/4 thru 400 HP
- 1.15 Service Factor
- 40°C Ambient
- Class F Insulation
- 3600, 1800 and 1200 RPM
- E-Plus[®] Motors meet the requirements of the Energy Policy Act of 1992. E-Plus[®] 3 motors exceed the requirements of the Energy Policy Act of 1992. **E+3(NP) is NEMA Premium Efficient.**



Applications:

Pumps, fans, compressors, conveyors, machine tools, designed to stand up to abusive treatment..moist, dirty, dusty and factory applications.

HP	RPM	Full Load		Frame	Stock Number	Insul. Class	Cast Iron	Type	"C" Dim.	Efficiency	Notes
		Volts	Amps								
5	3600	200-230/460	13.3-12.0/6.0	184T	E8007 ⚡	F	✓	E+3(NP)	16.0	88.5	1,11
		200-230/460	14.0-12.0/5.9	184T	T46005 ⚡	F	✓	E+	15.4	87.5	11,23,361,363
		230/460	11.6/5.8	184T	T57005 ⚡	F	✓	E+3 (NP)	15.4	88.5	11,361,363
		575	4.7	184T	T48005 ⚡	F	✓	E+	15.4	87.5	11,363,365
		575	4.7	184T	T59005 ⚡	F	✓	E+3 (NP)	15.4	88.5	11,363,365
1800	1800	200	14.6	184T	T44030	F	✓	E+	15.4	87.5	11,363,365 New!
		200-208	15.0	184T	N215	F			16.8	86.5	234
		200-230/460	14.7-13.0/6.5	184T	E221 ⚡	F		E+	16.2	87.5	
		200-230/460	15.0-12.8/6.4	184T	T46030 ⚡	F	✓	E+	15.4	87.5	11,23,361,363
		200	14.7	184T	T55030 ⚡	F	✓	E+3 (NP)	15.4	89.5	11,363,365 New!
		230/460	12.8/6.4	184T	T57030 ⚡	F	✓	E+3 (NP)	15.4	89.5	11,361,363
		575	5.1	184T	T48030 ⚡	F	✓	E+	15.4	87.5	11,363,365
1200	1200	200-230/460	15.4-14.0/7.0	215T	E343 ⚡	F	✓	E+	19.5	87.5	1,11
		200-230/460	15.4-14.0/7.0	215T	E8008 ⚡	F	✓	E+3(NP)	19.8	89.5	1,8,11
		200-230/460	15.6-14.6/7.3	215T	T46055 ⚡	F	✓	E+	19.4	87.5	11,23,362,363
		230/460	13.8/6.9	215T	T57055 ⚡	F	✓	E+3 (NP)	19.4	89.5	11,362,363
		575	5.6	215T	E399 ⚡	F	✓	E+	19.5	87.5	1,11
		575	5.8	215T	T48055 ⚡	F	✓	E+	19.4	87.5	11,363,365
		575	5.5	215T	T59055 ⚡	F	✓	E+3 (NP)	19.4	89.5	11,363,365

Notes:

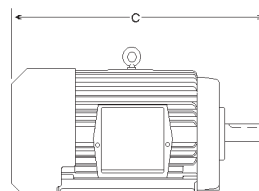
1. Item to be discontinued when stock is depleted
8. NEMA Design A
11. C flange kit available
23. Suitable for 200/400 Volt and 50 HZ
234. Century[®] nameplated product
361. 9 leads
362. 12 lead – Capability for Y Start-Delta Run
363. Double shielded bearings with no regreasing provisions
365. 3 leads

Continued on next page



Motors specially designed, tested and warranted to be **Corona-Free** for compatible inverter duty are marked on this page with a ⚡. See page 1-3 of this catalog for more Speed Engineered[®] information.


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Three Phase TEFC Motors

Continued from previous page

Features:

- Ball Bearings
- Class F Insulation
- Continuous Duty
- Energy Efficient \$
- NEMA Design B
- Rigid Base
- Squirrel Cage
- 56 Frame and larger
- Standard, EPAAct  CC001A (E-Plus[®]) and Premium (E-Plus[®] 3) Efficiency
- Totally Enclosed
- 1/4 thru 400 HP
- 1.15 Service Factor
- 40°C Ambient
- 60 Hz
- 3600, 1800 and 1200 RPM
- E-Plus[®] Motors meet the requirements of the Energy Policy Act of 1992. E-Plus[®] 3 motors exceed the requirements of the Energy Policy Act of 1992. **E+3(NP) is NEMA Premium Efficient.**



T46006

Applications:

Pumps, fans, compressors, conveyors, machine tools, designed to stand up to abusive treatment..moist, dirty, dusty and factory applications.

HP	RPM	Volts	Full Load Amps	Frame	Stock Number	Insul. Class	Cast Iron	Type	"C" Dim.	Efficiency	Notes
7-1/2	3600	230/460	17.6/8.8	213T	E8009 ⚡	F	√	E+3(NP)	19.8	89.5	1,8,11
		200-230/460	21.2-18.8/9.4	213T	T46006 ⚡	F	√	E+	19.4	88.5	11,23,362,363
		230/460	18.0/9.0	213T	T57006 ⚡	F	√	E+3 (NP)	19.4	89.5	11,362,363
		575	7.5	213T	T48006 ⚡	F	√	E+	19.4	88.5	11,363,365
		575	7.2	213T	T59006 ⚡	F	√	E+3 (NP)	19.4	89.5	11,363,365
1800	200	213T	21.0	213T	T44031 ⚡	F	√	E+	19.4	89.5	11,363,365 New!
		200-230/460	22.0-18.6/9.3	213T	E320 ⚡	F		E+	19.9	89.5	
		200-230/460	21.0-19.0/9.5	213T	T46031 ⚡	F	√	E+	19.4	89.5	11,23,362,363
		213T	20.9	213T	T55031 ⚡	F	√	E+3 (NP)	19.4	91.7	11,363,365 New!
		230/460	18.2/9.1	213T	T57031 ⚡	F	√	E+3 (NP)	19.4	91.7	11,362,363
		575	7.6	213T	T48031 ⚡	F	√	E+	19.4	89.5	11,363,365
		575	7.3	213T	T59031 ⚡	F	√	E+3 (NP)	19.4	91.7	11,363,365
1200	200-230/460	23.5-21.0/10.5	254T	E8010 ⚡	F	√	E+3	24.8	91.0	1,11	
		22.0-20.0/10.0	254T	T46056 ⚡	F	√	E+	25.1	89.5	11,23,362,364	
		20.2/10.1	254T	T57056 ⚡	F	√	E+3 (NP)	25.1	91.0	11,362,364	
		8.0	254T	E434 ⚡	F	√	E+	24.9	89.5	1,11	
		8.0	254T	T48056 ⚡	F	√	E+	25.1	89.5	11,364,365	
		8.1	254T	T59056 ⚡	F	√	E+3 (NP)	25.1	91.0	11,364,365	

Notes:

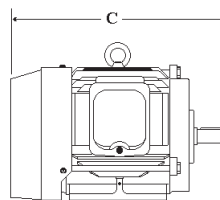
1. Item to be discontinued when stock is depleted
8. NEMA Design A
11. C flange kit available
23. Suitable for 200/400 Volt and 50 HZ
234. Century[®] nameplated product
362. 12 lead – Capability for Y Start-Delta Run
363. Double shielded bearings with no regreasing provisions
364. Open bearings with regreasing provisions
365. 3 leads

Continued on next page




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Published efficiency on tri-voltage rated motors applies at 230/460 volts. Performance at 200 or 208 volts may not be in accordance with NEMA standards. Published efficiency on 200-208 volt motors applies at 200 volts.



Features:

- Ball Bearings
- Class F Insulation
- Continuous Duty
- Energy Efficient \$
- NEMA Design B
- Rigid Base
- Squirrel Cage
- Cast Iron
- Standard, EPA Act  CC001A (E-Plus[®]) and Premium (E-Plus[®] 3) Efficiency
- Totally Enclosed
- 1/4 thru 400 HP
- 1.15 Service Factor
- 40°C Ambient
- 60 Hz
- 56 Frame and larger
- 3600, 1800 and 1200 RPM
- E-Plus[®] Motors meet the requirements of the Energy Policy Act of 1992. E-Plus[®] 3 motors exceed the requirements of the Energy Policy Act of 1992. **E+3(NP) is NEMA Premium Efficient.**



Applications:

Pumps, fans, compressors, conveyors, machine tools, designed to stand up to abusive treatment..moist, dirty, dusty and factory applications.

HP	RPM	Volts	Full Load Amps	Frame	Stock Number	Insul. Class	Cast Iron	Type	"C" Dim.	Efficiency	Notes		
10	3600	200-230/460	26.8-23.0/11.5	215T	E337 ⚡	F	√	E+	19.5	89.5	1,11		
		200-230/460	25.5-23.0/11.5	215T	E8011 ⚡	F	√	E+3(NP)	19.8	90.2	1,8,11		
		200-230/460	29.4-24.0/12.0	215T	T46007 ⚡	F	√	E+	19.4	89.5	11,23,362,363		
		230/460	23.0/11.5	215T	T57007 ⚡	F	√	E+3 (NP)	19.4	90.2	11,362,363		
		575	9.2	215T	E367 ⚡	F	√	E+	19.5	89.5	1,11		
		575	9.6	215T	T48007 ⚡	F	√	E+	19.4	89.5	11,363,365		
		575	9.2	215T	T59007 ⚡	F	√	E+3 (NP)	19.4	90.2	11,363,365		
		1800	200	200	28.3	215T	T44032 ⚡	F	√	E+	19.4	89.5	11,363,365 New!
				200-208	27.6-26.5	215T	E353 ⚡	F	√	E+3	19.5	90.2	1,11
				200	27.4	215T	T55032 ⚡	F	√	E+3 (NP)	19.4	91.7	11,363,365 New!
200-230/460	28.3-24.0/12.0			215T	E357 ⚡	F	√	E+	19.5	89.5	1,11		
200-230/460	28.5-25.0/12.5			215T	E321 ⚡	F	√	E+	19.9	89.5	8		
230/460	24.0/12.0			215T	E354V1 ⚡	F	√	E+3(NP)	19.8	91.7	1,8,11		
200-230/460	28.0-25.0/13.0			215T	T46032 ⚡	F	√	E+	19.4	89.5	11,23,362,363		
230/460	23.8/11.9			215T	T57032 ⚡	F	√	E+3 (NP)	19.4	91.7	11,362,363		
575	10.1			215T	T48032 ⚡	F	√	E+	19.4	89.5	11,363,365		
575	9.5			215T	T59032 ⚡	F	√	E+3 (NP)	19.4	91.7	11,363,365		
1200	200-230/460	200-230/460	30.2-26.0/13.0	256T	E443 ⚡	F	√	E+	24.9	89.5	1,11		
		200-230/460	32.2-28.0/14.0	256T	E8012 ⚡	F	√	E+3	24.8	91.0	1,8,11		
		200-230/460	28.6-26.6/13.3	256T	T46057 ⚡	F	√	E+	25.1	89.5	11,23,362,364		
		230/460	26.4/13.2	256T	T57057 ⚡	F	√	E+3 (NP)	25.1	91.0	11,362,364		
		575	10.5	256T	E435 ⚡	F	√	E+	24.9	89.5	1,11		
		575	10.6	256T	T48057 ⚡	F	√	E+	25.1	89.5	11,364,365		
		575	10.6	256T	T59057 ⚡	F	√	E+3 (NP)	25.1	91.0	11,364,365		

Notes:

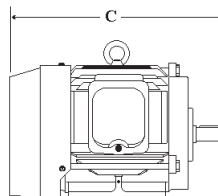
1. Item to be discontinued when stock is depleted
8. NEMA Design A
11. C flange kit available
23. Suitable for 200/400 Volt and 50 HZ
234. Century[®] nameplated product
362. 12 lead – Capability for Y Start-Delta Run
363. Double shielded bearings with no regreasing provisions
364. Open bearings with regreasing provisions
365. 3 leads

Continued on next page



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Published efficiency on 200-208 volt motors applies at 200 volts.

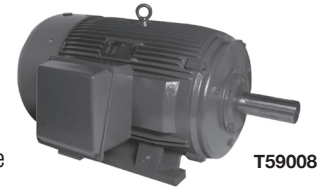


Three Phase TEFC Motors

Continued from previous page

Features:

- Ball Bearings
- Class F Insulation
- Continuous Duty
- Energy Efficient \$
- NEMA Design B
- Rigid Base
- Squirrel Cage
- Cast Iron
- Standard, EPAct  CC001A (E-Plus[®]) and Premium (E-Plus[®] 3) Efficiency
- Totally Enclosed
- 1/4 thru 400 HP
- 1.15 Service Factor
- 40°C Ambient
- 60 Hz
- 56 Frame and larger
- 3600, 1800 and 1200 RPM
- E-Plus[®] Motors meet the requirements of the Energy Policy Act of 1992. E-Plus[®] 3 motors exceed the requirements of the Energy Policy Act of 1992. **E+3(NP) is NEMA Premium Efficient.**



Applications:

Pumps, fans, compressors, conveyors, machine tools, designed to stand up to abusive treatment..moist, dirty, dusty and factory applications.

HP	RPM	Volts	Full Load Amps	Frame	Stock Number	Insul. Class	Cast Iron	Type	"C" Dim.	Efficiency	Notes
15	3600	200-230/460	39.0-33.4/16.7	254T	E8013 ⚡	F	√	E+3(NP)	24.8	91.0	1,8,11
		200-230/460	40.0-35.2/17.6	254T	T46008 ⚡	F	√	E+	25.1	90.2	11,23,362,364
		230/460	34.6/17.3	254T	T57008 ⚡	F	√	E+3 (NP)	25.1	91.0	11,362,364
		575	14.1	254T	T48008 ⚡	F	√	E+	25.1	90.2	11,364,365
		575	13.8	254T	T59008 ⚡	F	√	E+3 (NP)	25.1	91.0	11,364,365
	1800	200	41.0	254T	T44033 ⚡	F	√	E+	25.1	91.0	11,364,365 New!
		200-230/460	40.9-36.6/18.3	254T	T46033 ⚡	F	√	E+	25.1	91.0	11,23,362,364
		230/460	37.0/18.5	254T	T57033 ⚡	F	√	E+3 (NP)	25.1	92.4	11,362,364
		575	14.5	254T	E431 ⚡	F	√	E+	24.9	91.0	1,11
		575	14.6	254T	T48033 ⚡	F	√	E+	25.1	91.0	11,364,365
1200	200-230/460	44.2-39.0/19.5	284T	E535 ⚡	F	√	E+	27.6	90.2	1,11	
		230/460	36.0/18.0	284T	E8014 ⚡	F	√	E+3(NP)	27.6	91.7	1,8,11
	200-230/460	43.0-40.0/20.0	284T	T46058 ⚡	F	√	E+	26.9	90.2	11,23,362,364	
	230/460	38.8/19.4	284T	T57058 ⚡	F	√	E+3 (NP)	26.9	91.7	11,362,364	
	575	15.5	284T	T59058 ⚡	F	√	E+3 (NP)	26.9	91.7	11,364,365	
	575	16.0	284T	T48058 ⚡	F	√	E+	26.9	90.2	11,364,365	

Notes:

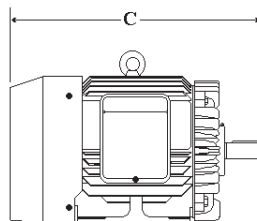
1. Item to be discontinued when stock is depleted
8. NEMA Design A
11. C flange kit available
23. Suitable for 200/400 Volt and 50 HZ
362. 12 lead – Capability for Y Start-Delta Run
364. Open bearings with regreasing provisions
365. 3 leads

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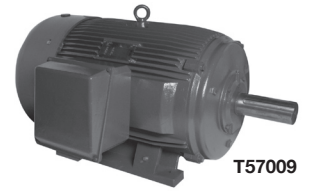
Motors specially designed, tested and warranted to be **Corona-Free** for compatible inverter duty are marked on this page with a ⚡. See page 1-3 of this catalog for more Speed Engineered[®] information.

Published efficiency on tri-voltage rated motors applies at 230/460 volts. Performance at 200 or 208 volts may not be in accordance with NEMA. Published efficiency on 200-208 volt motors applies at 200 volts.



Features:

- Ball Bearings
- Class F Insulation
- Continuous Duty
- Energy Efficient \$
- NEMA Design B
- Rigid Base
- Squirrel Cage
- Cast Iron
- Standard, E-Plus[®] (E-Plus[®] 3) and Premium (E-Plus[®] 3) Efficiency
- Totally Enclosed
- 1/4 thru 400 HP
- 1.15 Service Factor
- 40°C Ambient
- 60 Hz
- 56 Frame and larger
- 3600, 1800 and 1200 RPM
- E-Plus[®] Motors meet the requirements of the Energy Policy Act of 1992. E-Plus[®] 3 motors exceed the requirements of the Energy Policy Act of 1992. **E+3(NP) is NEMA Premium Efficient.**



Applications:

Pumps, fans, compressors, conveyors, machine tools, designed to stand up to abusive treatment..moist, dirty, dusty and factory applications.

HP	RPM	Volts	Full Load Amps	Frame	Stock Number	Insul. Class	Cast Iron	Type	"C" Dim.	Efficiency	Notes
20	3600	200-230/460	52.5-44.0/22.0	256T	E8015 ⚡	F	✓	E+3(NP)	24.8	91.0	1,8
		200-230/460	53.0-47.0/24.0	256T	T46009 ⚡	F	✓	E+	25.1	90.2	11,23,362,364
		230/460	46.0/23.0	256T	T57009 ⚡	F	✓	E+3 (NP)	25.1	89.5	11,362,364
		575	18.0	256T	E432 ⚡	F	✓	E+	24.9	90.2	1,11
		575	18.8	256T	T48009 ⚡	F	✓	E+	25.1	90.2	11,364,365
1800	1800	200	56.6	256T	T59009 ⚡	F	✓	E+3 (NP)	25.1	91.0	11,364,365 New!
		200-230/460	56.7-49.2/24.6	256T	T44034 ⚡	F	✓	E+	25.1	91.0	11,364,365
		200	56.4	256T	T46034 ⚡	F	✓	E+	25.1	91.0	11,23,362,364
		230/460	49.0/24.5	256T	T55034 ⚡	F	✓	E+ (NP)	25.1	93.0	11,364,365 New!
		230/460	49.0/24.5	256T	T57034 ⚡	F	✓	E+3 (NP)	25.1	93.0	11,362,364
1200	1200	575	19.7	256T	T48034 ⚡	F	✓	E+	25.1	91.0	11,364,365
		575	19.6	256T	T59034 ⚡	F	✓	E+3 (NP)	25.1	93.0	11,364,365
		200-230/460	57.3-49.0/24.5	286T	E8016 ⚡	F	✓	E+3(NP)	27.5	91.7	1,8,11
		200-230/460	56.9-52.0/26.0	286T	T46059 ⚡	F	✓	E+	28.4	90.2	11,23,362,364
		230/460	51.0/25.5	286T	T57059 ⚡	F	✓	E+3 (NP)	28.4	91.7	11,362,364
575	20.8	286T	T48059 ⚡	F	✓	E+	28.4	90.2	11,364,365		
575	20.4	286T	T59059 ⚡	F	✓	E+3 (NP)	28.4	91.7	11,364,365		

Notes:

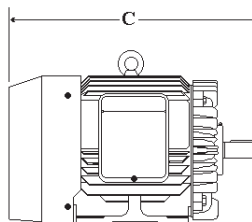
1. Item to be discontinued when stock is depleted
8. NEMA Design A
11. C flange kit available
23. Suitable for 200/400 Volt and 50 HZ
362. 12 lead – Capability for Y Start-Delta Run
364. Open bearings with regreasing provisions
365. 3 leads

Continued on next page



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 Performance at 200 or 208 volts may not be in accordance with NEMA standards.
 Published efficiency on 200-208 volt motors applies at 200 volts.



Three Phase TEFC Motors

Continued from previous page

Features:
































- Ball Bearings
- Class F Insulation
- Continuous Duty
- Energy Efficient \$
- NEMA Design B
- Rigid Base
- Squirrel Cage
- Cast Iron
- Standard, EPAct  CC001A (E-Plus[®]) and Premium (E-Plus[®] 3) Efficiency
- Totally Enclosed
- 1/4 thru 400 HP
- 1.15 Service Factor
- 40°C Ambient
- 60 Hz
- 56 Frame and larger
- 3600, 1800 and 1200 RPM
- E-Plus[®] Motors meet the requirements of the Energy Policy Act of 1992. E-Plus[®] 3 motors exceed the requirements of the Energy Policy Act of 1992. **E+3(NP) is NEMA Premium Efficient.**



T46010

Applications:

Pumps, fans, compressors, conveyors, machine tools, designed to stand up to abusive treatment..moist, dirty, dusty and factory applications.


HP	RPM	Full Load		Frame	Stock Number	Insul. Class	Cast Iron	Type	"C"		
		Volts	Amps						Dim.	Efficiency	Notes
25	3600	200-230/460	65.0-55.0/27.5	284TS	E8017 	F	√	E+3(NP)	26.4	91.7	1,8,11
		200-230/460	66.1-59.0/29.5	284TS	T46010 	F	√	E+	25.5	91.0	11,23,362,364
		230/460	57.4/28.7	284TS	T57010 	F	√	E+3 (NP)	25.5	91.7	11,362,264
		575	23.6	284TS	T48010 	F	√	E+	25.5	91.0	11,364,365
	1800	575	23.0	284TS	T59010 	F	√	E+3 (NP)	25.5	91.7	11,364,365
		200-208	71.5-68.7	284T	E549 	F	√	E+3	27.6	93.0	1,11
		200	69.0	284T	T55035 	F	√	E+3 (NP)	26.9	93.6	11,364,365 New!
		200-230/460	68.0-62.0/31.0	284T	T46035 	F	√	E+	26.9	92.4	11,23,362,364
		230/460	60.0/30.0	284T	T57035 	F	√	E+3 (NP)	26.9	93.6	11,362,364
		575	24.8	284T	T48035 	F	√	E+	26.9	92.4	11,364,365
		575	24.0	284T	T59035 	F	√	E+3 (NP)	26.9	93.6	11,364,365
		1200	200-230/460	69.5-58.6/29.3	324T	E8018 	F	√	E+3(NP)	30.7	93.0
200-230/460	68.8-60.0/30.0	324T	E614 	F	√	E+	30.7	91.7	1,11		
30	3600	200-230/460	78.1-70.0/35.0	286TS	T46011 	F	√	E+	27.0	91.0	11,23,362,364
		230/460	70.3-68.2/34.1	286TS	T57011 	F	√	E+3 (NP)	27.0	91.7	11,362,364
		575	26.4	286TS	E561 	F	√	E+	26.2	91.0	1,11
		575	28.0	286TS	T48011 	F	√	E+	27.0	91.0	11,364,365
	1800	575	27.3	286TS	T59011 	F	√	E+3 (NP)	27.0	91.7	11,364,365
		200-230/460	81.2-72.0/36.0	286T	E552V1 	F	√	E+3(NP)	27.6	93.6	1,11
		200-230/460	80.8-73.0/36.5	286T	T46036 	F	√	E+	28.4	92.4	11,23,362,364
		230/460	72.0/36.0	286T	T57036 	F	√	E+3 (NP)	28.4	93.6	11,362,364
		575	29.1	286T	E553 	F	√	E+3	26.9	93.0	1,11
		575	28.8	286T	E553V1 	F	√	E+3(NP)	27.6	93.6	1,11
		575	29.2	286T	T48036 	F	√	E+	28.4	92.4	11,364,365
		575	28.8	286T	T59036 	F	√	E+3 (NP)	28.4	93.6	11,364,365
1200	200-230/460	82.0-70.0/35.0	326T	E8020 	F	√	E+3(NP)	29.1	93.0	1,8,11	
	200-230/460	82.0-72.0/36.0	326T	T46061 	F	√	E+	31.3	91.7	11,23,362,364	
	230/460	72.0/36.0	326T	T57061 	F	√	E+3 (NP)	31.3	93.0	11,362,364	
	575	29.0	326T	E645 	F	√	E+	30.7	91.7	1,8,11	
	575	28.8	326T	T48061 	F	√	E+	31.3	91.7	11,364,365	
	575	28.8	326T	T59061 	F	√	E+3 (NP)	31.3	93.0	11,364,365	

Notes:

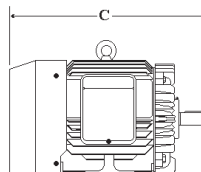
1. Item to be discontinued when stock is depleted
8. NEMA Design A
11. C flange kit available
23. Suitable for 200/400 Volt and 50HZ
362. 12 lead – Capability for Y Start-Delta Run
364. Open bearings with regreasing provisions
365. 3 leads

Continued on next page




Motors specially designed, tested and warranted to be **Corona-Free** for compatible inverter duty are marked on this page with a . See page 1-3 of this catalog for more Speed Engineered[®] information.

Published efficiency on tri-voltage rated motors applies at 230/460 volts.
Performance at 200 or 208 volts may not be in accordance with NEMA standards.
Published efficiency on 200-208 volt motors applies at 200 volts.



Features:

- Ball Bearings
- Class F Insulation
- Continuous Duty
- Energy Efficient \$
- NEMA Design B
- Rigid Base
- Squirrel Cage
- Cast Iron
- Standard, EPAct  CC001A (E-Plus[®]) and Premium (E-Plus[®] 3) Efficiency
- Totally Enclosed
- 1/4 thru 400 HP
- 1.15 Service Factor
- 40°C Ambient
- 60 Hz
- 56 Frame and larger
- 3600, 1800 and 1200 RPM
- E-Plus[®] Motors meet the requirements of the Energy Policy Act of 1992. E-Plus[®] 3 motors exceed the requirements of the Energy Policy Act of 1992. **E+3(NP) is NEMA Premium Efficient.**



T57012

Applications:

Pumps, fans, compressors, conveyors, machine tools, designed to stand up to abusive treatment..moist, dirty, dusty and factory applications.

HP	RPM	Volts	Full Load Amps	Frame	Stock Number	Insul. Class	Cast Iron	Type	"C" Dim.	Efficiency	Notes		
40	3600	200-230/460	102.0-88.0/44.0	324TS	E8021 ⚡	F	√	E+3(NP)	30.7	92.4	1,8,11		
		200-230/460	106.0-96.0/48.0	324TS	T46012 ⚡	F	√	E+	28.2	91.7	11,23,362,364		
		230/460	93.4/46.7	324TS	T57012 ⚡	F	√	E+3 (NP)	28.2	92.4	11,362,364		
		230/460	92.0/46.0	326T	E8021V1 ⚡	F	√	E+3(NP)	31.0	92.4	1,11		
		575	35.3	324TS	E664 ⚡	F	√	E+	29.2	91.7	1,11		
		575	38.4	324TS	T48012 ⚡	F	√	E+	28.2	91.7	11,13,364,365		
		575	37.4	324TS	T59012 ⚡	F	√	E+3 (NP)	28.2	92.4	11,13,364,365		
		1800	200-230/460	107.0-96.0/48.0	324T	T46037 ⚡	F	√	E+	29.7	93.0	11,23,362,364	
		230/460	94.8/47.4	324T	T57037 ⚡	F	√	E+3 (NP)	29.7	94.1	11,362,364		
		575	37.0	324T	E629 ⚡	F	√	E+3	30.7	94.1	1,11		
1200	200-230/460	200-230/460	109.0-96.0/48.0	364T	T59037 ⚡	F	√	E+3 (NP)	29.7	94.1	11,364,365		
		230/460	96.0/48.0	364T	T57062 ⚡	F	√	E+3(NP)	32.5	94.1	11,362,364 New!		
		50	3600	230/460	108.0/54.0	326TS	E8022 ⚡	F	√	E+3(NP)	29.1	93.0	1,11
		200-230/460		131.0-120.0/60.0	326TS	T46013 ⚡	F	√	E+	29.8	92.4	11,23,362,364	
		230/460		114.0/57.0	326TS	T57013 ⚡	F	√	E+3 (NP)	29.8	93.0	11,362,364	
230/460	115.0/57.5	326TS		E8022V1 ⚡	F	√	E+3(NP)	29.5	93.0	1,11			
575	43.6	326TS		E666 ⚡	F	√	E+	29.2	92.4	1,11			
1800	200-230/460	575	48.0	326TS	T48013 ⚡	F	√	E+	29.8	92.4	11,13,364,365		
		575	45.6	326TS	T59013 ⚡	F	√	E+3 (NP)	29.8	93.0	11,13,364,365		
		200-230/460	134.0-118.0/59.0	326T	T46038 ⚡	F	√	E+	31.3	93.0	11,23,362,364		
		230/460	118.0/59.0	326T	T57038 ⚡	F	√	E+3 (NP)	31.3	94.5	11,362,364		
		575	46.0	326T	E631 ⚡	F	√	E+3(NP)	30.7	94.1	1,11		
		575	47.2	326T	T48038 ⚡	F	√	E+	31.3	92.4	11,13,364,365		
		575	47.2	326T	T59038 ⚡	F	√	E+3 (NP)	31.3	94.5	11,13,364,365		
1200	200-230/460	200-230/460	131.0-118.0/59.0	365T	E789 ⚡	F	√	E+3(NP)	33.3	94.1	1,11		
		230/460	120.0/60.0	365T	T57063 ⚡	F	√	E+3(NP)	33.5	94.1	11,362,364 New!		

Notes:

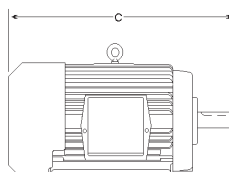
1. Item to be discontinued when stock is depleted
8. NEMA Design A
11. C flange kit available
13. Six Lead Motor Suitable for Part Winding Start
23. Suitable for 200/400 Volt and 50HZ
362. 12 lead – Capability for Y Start-Delta Run
364. Open bearings with regreasing provisions
365. 3 leads

Published efficiency on tri-voltage rated motors applies at 230/460 volts. Performance at 200 or 208 volts may not be in accordance with NEMA standards. Published efficiency on 200-208 volt motors applies at 200 volts.



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Continued on next page



Three Phase TEFC Motors

Continued from previous page

Features:

- Ball Bearings
- Class F Insulation
- Continuous Duty
- Energy Efficient \$
- NEMA Design B
- Rigid Base
- Squirrel Cage
- Cast Iron
- Standard, E+Plus[®] (E-Plus[®]) and Premium (E-Plus[®] 3) Efficiency (E-Plus[®] 3) Efficiency
- Totally Enclosed
- 1/4 thru 400 HP
- 1.15 Service Factor
- 40°C Ambient
- 60 Hz
- 56 Frame and larger
- 3600, 1800 and 1200 RPM
- E-Plus[®] Motors meet the requirements of the Energy Policy Act of 1992. E-Plus[®] 3 motors exceed the requirements of the Energy Policy Act of 1992. **E+3(NP) is NEMA Premium Efficient.**



T57014

Applications:

Pumps, fans, compressors, conveyors, machine tools, designed to stand up to abusive treatment..moist, dirty, dusty and factory applications.

HP	RPM	Full Load		Frame	Stock Number	Insul. Class	Cast Iron	Type	"C"		
		Volts	Amps						Dim.	Efficiency	Notes
60	3600	200-230/460	155.0-136.0/68.0	364TS	E790 ⚡	F	✓	E+3(NP)	31.1	93.6	1,11
		230/460	136.0/68.0	364TS	T57014 ⚡	F	✓	E+3(NP)	30.4	93.6	11,362,364 New!
	1800	200-230/460	162.0-144.0/72.0	364T	E712 ⚡	F	✓	E+	33.2	93.6	1,11,28
		200-230/460	162.4-144.0/72.0	364T	T46039 ⚡	F	✓	E+	32.5	93.6	11,23,364,367 New!
		200-230/460	162.0-144.0/72.0	364T	E720 ⚡	F	✓	E+3(NP)	33.3	95.0	1,8,11,28
		230/460	143.0/71.5	364T	T57039 ⚡	F	✓	E+3(NP)	32.5	95.0	11,362,364 New!
		200-230/460	162.0-144.0/72.0	364TS	E8023 ⚡	F	✓	E+3(NP)	31.1	95.0	1,11
		230/460	143.0/71.5	364TS	TS18039 ⚡	F	✓	E+3(NP)	30.4	95.0	11,362,364 New!
	575	57.6	364T	T48039 ⚡	F	✓	E+	32.5	93.6	11,13,364,366 New!	
		57.2	364T	T59039 ⚡	F	✓	E+3(NP)	32.5	95.0	11,13,364,366 New!	
	1200	200-230/460	163.5-146.0/73.0	404T	E793 ⚡	F	✓	E+3(NP)	40.0	94.5	1,11
		230/460	148.0/74.0	404T	T57064 ⚡	F	✓	E+3(NP)	39.1	94.5	11,362,364 New!
75	3600	200-230/460	197.0-168.0/84.0	365TS	E791 ⚡	F	✓	E+3(NP)	31.1	93.6	1,11
		230/460	168.0/84.0	365TS	T57015 ⚡	F	✓	E+3(NP)	31.4	93.6	11,362,364 New!
	1800	200-230/460	195.0-174.0/87.0	365T	E714 ⚡	F	✓	E+	33.3	94.1	1,11,28
		200-230/460	199.1-178.0/89.0	365T	T46040 ⚡	F	✓	E+	33.5	94.1	11,23,362,364 New!
		230/460	180.0/90.0	365TS	TS18040 ⚡	F	✓	E+3(NP)	31.4	95.4	11,362,364 New!
		230/460	180.0/90.0	365T	T57040 ⚡	F	✓	E+3(NP)	33.5	95.4	11,362,364 New!
		575	71.2	365T	T48040 ⚡	F	✓	E+	33.5	94.1	11,13,364,366 New!
		575	72.0	365T	T59040 ⚡	F	✓	E+3(NP)	33.5	95.4	11,13,364,366 New!
	1200	200-230/460	204.0-182.0/91.0	405T	E794 ⚡	F	✓	E+3(NP)	40.0	94.5	1,11
		230/460	181.0/90.5	405T	T57065 ⚡	F	✓	E+3(NP)	40.6	94.5	11,362,364 New!

Notes:

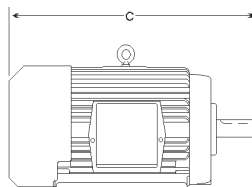
1. Item to be discontinued when stock is depleted
8. NEMA Design A
11. C flange kit available
13. Six lead motor suitable for part winding start
23. Suitable for 200/400 Volt and 50HZ
28. Blower kit adaptable, TEFC
362. 12 lead – Capability for Y Start-Delta Run
364. Open bearings with regreasing provisions
365. 3 leads
366. 6 leads
367. 12 leads

Continued on next page



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Features:

- Ball Bearings
- Class F Insulation
- Continuous Duty
- Energy Efficient \$
- NEMA Design B, unless noted
- Rigid Base
- Squirrel Cage
- Cast Iron
- Standard, EP[®] (E-Plus[®]) and Premium (E-Plus[®] 3) Efficiency
- Totally Enclosed
- 1/4 thru 400 HP
- 1.15 Service Factor
- 40°C Ambient
- 60 Hz
- 56 Frame and larger
- 3600, 1800 and 1200 RPM
- E-Plus[®] Motors meet the requirements of the Energy Policy Act of 1992. E-Plus[®] 3 motors exceed the requirements of the Energy Policy Act of 1992. **E+3(NP) is NEMA Premium Efficient.**



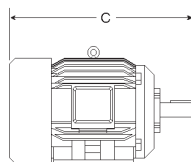
Applications:

Pumps, fans, compressors, conveyors, machine tools, designed to stand up to abusive treatment..moist, dirty, dusty and factory applications.

HP	RPM	Volts	Full Load Amps	Frame	Stock Number	Insul. Class	Cast Iron	Type	"C" Dim.	Efficiency	Notes
100	3600	460	112.0	405TS	E792 ⚡	F	✓	E+3(NP)	37.0	94.1	1,11
		230/460	228.0/114.0	405TS	T57016 ⚡	F	✓	E+3(NP)	37.6	94.1	8,11,362,364 New!
	1800	575	94.0	405T	E795 ⚡	F	✓	E+3(NP)	40.0	95.4	1,11
		575	96.0	405T	T59041 ⚡	F	✓	E+3(NP)	40.6	95.4	8,11,13,364,366 New!
		460	116.0	405T	E749 ⚡	F	✓	E+	40.0	94.5	1,11,28
		200-230/460	270.0-242.0/121.0	405T	T46041 ⚡	F	✓	E+	40.6	94.5	8,11,23,362,364 New!
		460	116.0	405T	E753 ⚡	F	✓	E+3(NP)	40.0	95.4	1,8,11,13,28
		230/460	233.0/116.5	405T	T57041 ⚡	F	✓	E+3(NP)	40.6	95.4	8,11,362,364 New!
	1200	230/460	183.0/120.0	405TS	TS18041 ⚡	F	✓	E+3(NP)	37.6	95.4	8,11,362,364 New!
		575	96.8	405T	T48041 ⚡	F	✓	E+	40.6	94.5	8,11,13,364,366 New!
		460	123.0	444T	E4111 ⚡	F	✓	E+3(NP)	49.0	95.0	1,11,13
		230/60	242.0/121.0	444T	T57066 ⚡	F	✓	E+3(NP)	45.7	95.0	8,11,362,364 New!
125	3600	460	139.0	444TS	E884 ⚡	F	✓	E+3(NP)	45.3	95.0	1,11
		230/460	290.0/145.0	444TS	T57017 ⚡	F	✓	E+3(NP)	44.6	95.0	8,11,362,364 New!
	1800	460	143.0	444T	E4108 ⚡	F	✓	E+	49.0	94.5	1,11,13
		200-230/460	325.0-290.0/145.0	444T	T46042 ⚡	F	✓	E+	45.7	94.5	8,11,23,362,364 New!
		230/460	286.0/143.0	444T	T57042 ⚡	F	✓	E+3(NP)	45.7	95.4	8,11,362,364 New!
		460	145.0	444TS	E4105 ⚡	F	✓	E+3(NP)	45.3	95.4	1,11,13
		230/460	186.0/143.0	444TS	TS18042 ⚡	F	✓	E+3(NP)	44.6	95.4	8,11,362,364 New!
		575	115.0	444T	E9003 ⚡	F	✓	E+	49.0	94.5	1,11,13
		575	116.0	444T	T48042 ⚡	F	✓	E+	45.7	94.5	8,13,19,364 New!
		575	115.0	444T	E4100 ⚡	F	✓	E+3(NP)	49.0	95.4	1,11
	1200	575	114.4	444T	T59042 ⚡	F	✓	E+3(NP)	45.7	95.4	11,13,364,366 New!
		460	152.0	445T	E4113 ⚡	F	✓	E+3(NP)	49.0	95.0	1,11,13
230/460		300.0/150.0	445T	T57067 ⚡	F	✓	E+3(NP)	47.7	95.0	8,11,362,364 New!	
150		165.0	445TS	E886V1 ⚡	F	✓	E+3(NP)	45.3	95.0	1,11	
150	3600	230/460	346.0/173.0	445TS	T57018 ⚡	F	✓	E+3(NP)	46.6	95.0	8,11,362,364 New!
		460	172.0	445T	E4109 ⚡	F	✓	E+	49.0	95.0	1,11,13
	1800	200-230/460	390.6-338.0/169.0	445T	T46043 ⚡	F	✓	E+	47.7	95.0	8,11,23,362,364 New!
		460	172.0	445T	E4114 ⚡	F	✓	E+3(NP)	49.0	95.8	1,11,13
		230/460	346.0/173.0	445T	T57043 ⚡	F	✓	E+3(NP)	47.7	95.8	8,11,362,364 New!
		575	134.0	445T	E4101 ⚡	F	✓	E+3(NP)	49.0	96.2	1,11
		575	135.2	445T	T59043 ⚡	F	✓	E+3(NP)	47.7	95.8	8,11,13,364,366 New!
		575	134.0	445T	E9004 ⚡	F	✓	E+	49.0	95.0	1,11
	1200	575	135.2	445T	T48043 ⚡	F	✓	E+	47.7	95.0	8,11,13,364,366 New!
		460	180.0	447T	E4115 ⚡	F	✓	E+3(NP)	52.5	95.8	1,11,13
230/460		356.0/178.0	447T	T57068 ⚡	F	✓	E+3(NP)	57.5	95.8	8,11,362,364 New!	

Notes:

1. Item to be discontinued when stock is depleted
8. NEMA Design A
11. C flange kit available
13. Six lead motor suitable for part winding start
23. Suitable for 200/400 Volt and 50HZ
362. 12 lead – Capability for Y Start-Delta Run
364. Open bearings with regreasing provisions
366. 6 leads




Motors specially designed, tested and warranted to be **Corona-Free** for compatible inverter duty are marked on this page with a ⚡. See page 1-3 of this catalog for more Speed Engineered[®] information.

Continued on next page

Three Phase TEFC Motors

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Features:



















- Ball Bearings
- Class F Insulation
- Continuous Duty
- Energy Efficient \$
- NEMA Design B
- Rigid Base
- Squirrel Cage
- Cast Iron
- Standard, EPAct  CC001A (E-Plus[®]) and Premium (E-Plus[®]3) Efficiency
- Totally Enclosed
- 1/4 thru 400 HP
- 1.15 Service Factor
- 40°C Ambient
- 60 Hz
- 56 Frame and larger
- 3600, 1800 and 1200 RPM
- E-Plus[®] Motors meet the requirements of the Energy Policy Act of 1992. E-Plus[®] 3 motors exceed the requirements of the Energy Policy Act of 1992. **E+3(NP) is NEMA Premium Efficient.**



T57019

Applications:


Pumps, fans, compressors, conveyors, machine tools, designed to stand up to abusive treatment..moist, dirty, dusty and factory applications.

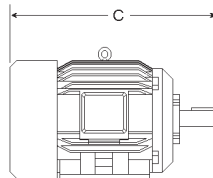
HP	RPM	Volts	Full Load		Frame	Stock Number	Insul. Class	Cast Iron	Type	"C" Dim.	Efficiency	Notes	
			Amps										
200	3600	460	228.0	447TS	T57019 	F	✓	E+3(NP)	53.8	95.4	8,11,65,364 New!		
			228.0	447T	E4110 	F	✓	E+	52.5	95.0	1,11,13		
	1800	460	226.0	447T	T46044 	F	✓	E+	57.5	95.0	8,11,362,364 New!		
			222.0	447T	E4116 	F	✓	E+3(NP)	52.5	96.2	1,11,13		
			220.0	447T	T57044 	F	✓	E+3(NP)	57.5	96.2	8,11,362,364 New!		
			177.0	447T	E4102 	F	✓	E+3(NP)	52.5	96.2	1,11		
			176.0	447T	T59044 	F	✓	E+3(NP)	57.5	96.2	8,11,364,366 New!		
			180.8	447T	T48044 	F	✓	E+	57.5	95.0	8,11,364,366 New!		
			1200	460	236.0	449T	E4117 	F	✓	E+3(NP)	55.8	95.8	1,11,13
					234.0	449T	T57069 	F	✓	E+3(NP)	57.5	95.8	8,11,362,364 New!
250	3600	460	274.0	449TS	E890V1 	F	✓	E+3(NP)	52.0	95.8	1,11		
	1800	460	285.0	449T	E4118 	F	✓	E+3(NP)	55.8	96.2	1,11,13		
			299.0	449T	E4119 	F	✓	E+3(NP)	55.8	95.8	1,11,13		
300	3600	460	331.0	449TS	E892V1 	F	✓	E+3(NP)	52.0	95.8	1,11		
	1800	460	328.0	449T	E4120 	F	✓	E+3(NP)	55.8	96.2	1,11,13,49		
			328.0	449T	E877V1 	F	✓	E+3(NP)	55.8	96.2	1,11,49		
	1200	460	353.0	449T	E4121 	F	✓	E+3(NP)	55.8	96.2	1,11,13,49		
350	1800	460	380.0	449T	E4122 	F	✓	E+3(NP)	58.0	96.2	1,11,13,49		
400	1800	460	443.0	449T	E4123 	F	✓	E+3(NP)	55.8	96.2	1,11,13,49		

Notes:

1. Item to be discontinued when stock is depleted
8. NEMA Design A
11. C flange kit available
13. Six lead motor suitable for part winding start
49. 1.0 Service Factor
65. Six lead, Wye Delta
362. 12 lead – Capability for Y Start-Delta Run
364. Open bearings with regreasing provisions
366. 6 leads



Motors specially designed, tested and warranted to be **Corona-Free** for compatible inverter duty are marked on this page with a . See page 1-3 of this catalog for more Speed Engineered[®] information.



Century® Industrial E-Plus® 3 Nema Premium Severe Duty Motors

Premium Efficient CC001A - Squirrel Cage - TEFC - Rigid Base - Severe Duty Construction - 3600 - 1800 & 1200 RPM - 1 thru 50 HP - Cast Iron



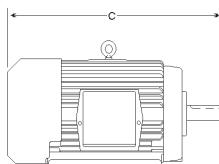
Features:

- All Cast Iron Construction
- 1.15 Service Factor
- Class F Insulation
- Continuous Duty
- 60 Hz
- Corrosion Resistant Fan
- Multiple Dips and Bakes Non Hygroscopic Varnish
- Plated Hardware
- Shielded Bearings
- Shaft Slinger
- Automatic Drain/Breather
- Fully Gasketed Conduit Box
- Stainless Steel or Bronze Nameplates
- Regreasable While Running
- Grease Fittings
- Ground Lug in Conduit Box
- 3-Year Warranty (3 years from date of manufacture, 2 years from date of installation)
- Energy Efficient \$

HP	RPM	Volts	Full Load Amps	Frame	Stock Number	Insul. Class	Cast Iron	Type	“C”		
									Dim.	Efficiency	Notes
1	1800	230/460	3.1-2.8/1.4	143T	TSD61026 ⚡	F	✓	E+3(NP)	13.2	85.5	11,361,363,\$
		230/460	3.5-3.4/1.7	145T	TSD61051 ⚡	F	✓	E+3(NP)	13.2	82.5	11,361,363,\$
	200-230/460	3.8-3.6/1.8	145T	S114V1 ⚡	F	✓	E+3(NP)	13.5	82.5	1,11,\$	
		5.0-3.4/1.7	145T	S114 ⚡	F	✓	E+3(NP)	13.2	82.5	1,11,\$	
1-1/2	3600	200-230/460	4.3-3.8/1.9	143T	S115V1 ⚡	F	✓	E+3(NP)	13.5	84.0	1,11,\$
		208-230/460	5.5-3.8/1.9	143T	S115 ⚡	F	✓	E+3(NP)	13.2	84.0	1,11,\$
		230/460	4.2-3.8/1.9	143T	TSD61002 ⚡	F	✓	E+3(NP)	13.2	84.0	11,361,363,\$
	1800	230/460	4.6-4.2/2.1	145T	TSD61027 ⚡	F	✓	E+3(NP)	13.2	86.5	11,361,363,\$
		230/460	5.0-4.8/2.4	182T	TSD61052 ⚡	F	✓	E+3(NP)	15.4	87.5	11,361,363,\$
		230/460	5.4-5.0/2.5	145T	TSD61003 ⚡	F	✓	E+3(NP)	13.2	85.5	11,361,363,\$
2	1800	230/460	5.8-5.6/2.8	145T	TSD61028 ⚡	F	✓	E+3(NP)	13.2	86.5	11,\$
		230/460	6.3-5.8/2.9	184T	TSD61053 ⚡	F	✓	E+3(NP)	15.4	88.5	11,361,363,\$
	1200	230/460	8.5-7.6/3.8	182T	S225V1 ⚡	F	✓	E+3(NP)	16.1	86.5	1,8,11,\$
		230/460	9.5-7.4/3.7	182T	S225 ⚡	F	✓	E+3(NP)	15.1	86.5	1,11,\$
3	1800	230/460	10.2-7.8/3.9	182T	TSD61029 ⚡	F	✓	E+3(NP)	15.4	89.5	11,361,363,\$
		230/460	8.9-8.6/4.3	213T	TSD61054 ⚡	F	✓	E+3(NP)	19.4	89.5	11,362,363,\$
		230/460	13.3-12.0/6.0	184T	S227V1 ⚡	F	✓	E+3(NP)	16.1	88.5	1,11,\$
	1200	230/460	16.0-12.0/6.0	184T	S227 ⚡	F	✓	E+3(NP)	15.1	88.5	1,11,\$
		230/460	16.3-11.6/5.8	184T	TSD61005 ⚡	F	✓	E+3(NP)	15.4	88.5	11,361,363,\$
		230/460	14.3-12.8/6.4	184T	TSD61030 ⚡	F	✓	E+3(NP)	15.4	89.5	11,361,363,\$
5	1800	200-230/460	15.4-14.0/7.0	215T	S306V1 ⚡	F	✓	E+3(NP)	19.8	89.5	1,8,11,\$
		230/460	14.8-13.8/6.9	215T	TSD61055 ⚡	F	✓	E+3(NP)	19.4	89.5	11,362,363,\$
		230/460	20.5-17.6/8.8	213T	S307V1 ⚡	F	✓	E+3(NP)	19.8	89.5	1,8,11,\$
	1200	230/460	20.4-18.0/9.0	213T	TSD61006 ⚡	F	✓	E+3(NP)	19.4	89.5	11,362,363,\$
		230/460	24.0-19.0/9.5	213T	S303 ⚡	F	✓	E+3(NP)	19.5	90.2	1,11,\$
		230/460	20.9-18.2/9.1	213T	TSD61031 ⚡	F	✓	E+3(NP)	19.4	91.7	11,362,363,\$
7-1/2	1800	200-230/460	23.5-21.0/10.5	254T	S442V1 ⚡	F	✓	E+3(NP)	24.8	91.0	1,8,11,\$
		230/460	21.9-20.2/10.1	254T	TSD61056 ⚡	F	✓	E+3(NP)	25.1	91.0	11,362,364,\$
		230/460	25.5-23.0/11.5	215T	S308V1 ⚡	F	✓	E+3(NP)	19.8	90.2	1,8,11,\$
	1200	230/460	33.2-23.0/11.5	215T	TSD61007 ⚡	F	✓	E+3(NP)	19.4	90.2	11,362,363,\$
		230/460	27.5-24.0/12.0	215T	S304V1 ⚡	F	✓	E+3(NP)	19.8	91.7	1,8,11,\$
		230/460	27.5-23.8/11.9	215T	TSD61032 ⚡	F	✓	E+3(NP)	19.4	91.7	11,362,363,\$
10	1800	200-230/460	32.3-28.0/14.0	256T	S443V1 ⚡	F	✓	E+3(NP)	24.8	91.0	1,8,11,\$
		230/460	28.3-26.4/13.2	256T	TSD61057 ⚡	F	✓	E+3(NP)	25.1	91.0	11,362,364,\$
		230/460	39.0-33.4/16.7	254T	S444V1 ⚡	F	✓	E+3(NP)	24.8	91.0	1,8,11,\$
	1200	230/460	24.0-34.6/17.3	254T	TSD61008 ⚡	F	✓	E+3(NP)	25.1	91.0	11,362,364,\$
		230/460	41.4-37.0/18.5	254T	TSD61033 ⚡	F	✓	E+3(NP)	25.1	92.4	11,362,364,\$
		230/460	41.5-36.0/18.0	284T	S502V1 ⚡	F	✓	E+3(NP)	27.5	91.7	1,8,11,\$
15	1200	230/460	41.2-38.8/19.4	284T	TSD61058 ⚡	F	✓	E+3(NP)	26.9	91.7	11,362,364,\$

Notes:

- Item to be discontinued when stock is depleted
- NEMA Design A
- C flange kit available
- Blower kit adaptable, TEFC
- 9 lead
- 12 lead – Capability for Y Start-Delta Run
- Double shielded bearings with no regreasing provisions
- Open bearings with regreasing provisions




Motors specially designed, tested and warranted to be **Corona-Free** for compatible inverter duty are marked on this page with a ⚡. See page 1-3 of this catalog for more Speed Engineered® information.

Continued on next page

Published efficiency on tri-voltage rated motors applies at 230/460 volts. Performance at 200 or 208 volts may not be in accordance with NEMA standards

Century® Industrial E-Plus® 3 Nema Premium Severe Duty Motors

Premium Efficient  CC001A - Squirrel Cage - TEFC - Rigid Base
Severe Duty Construction - 3600 - 1800 & 1200 RPM - 1 thru 50 HP
Cast Iron



Features:

- All Cast Iron Construction
- 1.15 Service Factor
- Class F Insulation
- Continuous Duty
- 60 Hz
- Corrosion Resistant Fan
- Multiple Dips and Bakes Non Hygroscopic Varnish
- Plated Hardware
- Shielded Bearings
- Shaft Slinger
- Automatic Drain/Breather
- Fully Gasketed Conduit Box
- Stainless Steel or Bronze Nameplates
- Regreasable While Running
- Grease Fittings
- Ground Lug in Conduit Box
- 3-Year Warranty (3 years from date of manufacture, 2 years from date of installation)
- Energy Efficient \$

HP	RPM	Volts	Full Load Amps	Frame	Stock Number	Insul. Class	Cast Iron	Type	"C" Dim.	Efficiency	Notes	
20	3600	208-230/460	57.0-44.0/22.0	256T	S445 ☼	F	✓	E+3(NP)	24.3	91.7	1,11,\$	
		230/460	47.5-46.0/23.0	256T	TSD61009 ☼	F	✓	E+3(NP)	25.1	91.0	11,362,364,\$	
	1800	230/460	54.2-49.0/24.5	256T	TSD61034 ☼	F	✓	E+3(NP)	25.1	93.0	11,362,364,\$	
		1200	200-230/460	57.3-49.0/24.5	286T	S503V1 ☼	F	✓	E+3(NP)	27.5	91.7	1,8,11,\$
			230/460	55.7-51.0/25.5	286T	TSD61059 ☼	F	✓	E+3(NP)	28.4	91.7	11,364,362,\$
25	3600	200-230/460	65.0-55.0/27.5	284TS	S504V1	F	✓	E+3(NP)	26.4	91.7	1,8,11,\$	
		230/460	58.3-57.4/28.7	284TS	TSD61010 ☼	F	✓	E+3(NP)	25.5	91.7	11,362,364,\$	
	1800	200-230/460	67.7-61.6/30.8	284T	S500V1 ☼	F	✓	E+3(NP)	27.6	93.6	1,11,\$	
		230/460	67.3-60.0/30.0	284T	TSD61035 ☼	F	✓	E+3(NP)	26.9	93.6	11,362,364,\$	
		1200	200-230/460	69.5-58.6/29.3	324T	S602V1 ☼	F	✓	E+3(NP)	30.6	93.0	1,8,11,\$
230/460	69.7-60.4/30.2		324T	TSD61060 ☼	F	✓	E+3(NP)	29.7	93.0	11,362,364,\$		
30	3600	200-230/460	78.0-66.0/33.0	286TS	S505V1 ☼	F	✓	E+3(NP)	26.4	91.7	1,8,11,\$	
		230/460	70.3-68.2/34.1	286TS	TSD61011 ☼	F	✓	E+3(NP)	27.0	91.7	11,362,364,\$	
	1800	200-230/460	81.2-72.0/36.0	286T	S501V1 ☼	F	✓	E+3(NP)	27.6	93.6	1,\$	
		230/460	79.4-72.0/36.0	286T	TSD61036 ☼	F	✓	E+3(NP)	28.4	93.6	11,362,364,\$	
		1200	200-230/460	82.0-70.0/35.0	326T	S603V1 ☼	F	✓	E+3(NP)	30.6	93.0	1,8,11,\$
230/460	81.7-72.0/36.0		326T	TSD61061 ☼	F	✓	E+3(NP)	31.3	93.0	11,362,364,\$		
40	3600	200-230/460	104.0-92.0/46.0	324TS	S604V1 ☼	F	✓	E+3(NP)	31.0	92.4	1,11,\$	
		230/460	94.6-93.4/46.7	324TS	TSD61012 ☼	F	✓	E+3(NP)	28.2	92.4	11,362,364,\$	
	1800	200-230/460	108.0-94.0/47.0	324T	S600V1 ☼	F	✓	E+3(NP)	30.7	94.1	1,8,11,\$	
		230/460	104.8-94.8/47.4	324T	TSD61037 ☼	F	✓	E+3(NP)	29.7	94.1	11,362,364,\$	
		1200	200-230/460	109.0-96.0/48.0	364T	S678V1 ☼	F	✓	E+3(NP)	33.3	94.1	1,11,\$
230/460	96.0/48.0		364T	TSD61062 ☼	F	✓	E+3(NP)	32.7	94.1	19,362,364,\$		
50	3600	200-230/460	130.0-115.0/57.5	326TS	S605V1 ☼	F	✓	E+3(NP)	31.0	93.0	1,11,\$	
		230/460	120.3-114.0/57.0	326TS	TSD61013 ☼	F	✓	E+3(NP)	29.8	93.0	11,362,364,\$	
	1800	208-230/460	142.0-115.0/57.5	326T	S601 ☼	F	✓	E+3(NP)	30.3	94.1	1,11,\$	
		230/460	131.2-118.0/59.0	326T	TSD61038 ☼	F	✓	E+3(NP)	31.3	94.5	11,19,362,364,\$	
		1200	200-230/460	118.0/59.0	365T	S679V1 ☼	F	✓	E+3(NP)	33.3	94.1	1,11,\$
230/460	120.0/60.0		365T	TSD61063 ☼	F	✓	E+3(NP)	33.7	94.1	19,362,364,\$		

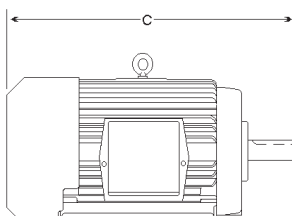
Notes:

1. Item to be discontinued when stock is depleted
8. NEMA Design A
11. C flange kit available
19. C Flange kit available
362. 12 lead – Capability for Y Start-Delta Run
364. Open bearings with regreasing provisions

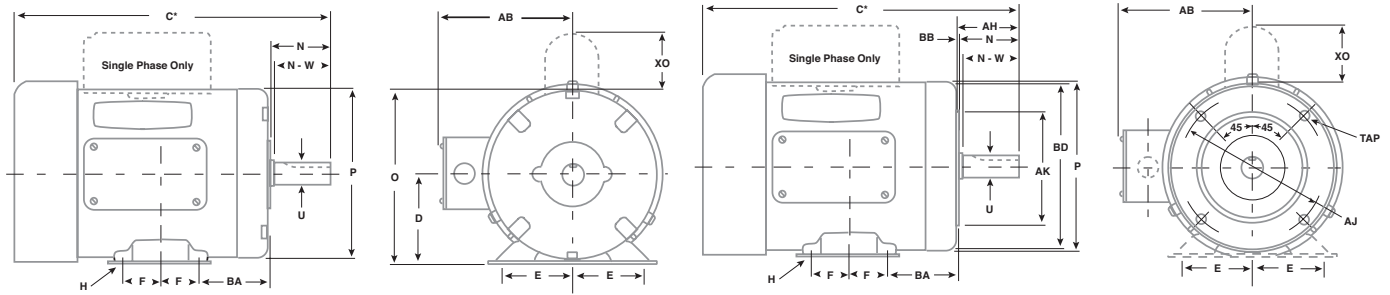


Motors specially designed, tested and warranted to be Corona-Free for compatible inverter duty are marked on this page with a ☼. See page 1-3 of this catalog for more Speed Engineered® information.

Published efficiency on tri-voltage rated motors applies at 230/460 volts.
Performance at 200 or 208 volts may not be in accordance with NEMA standards.



NEMA Quick Reference Motor Data



NEMA Frame Dimensions

NEMA* Frame	D	E	F	H	U	N-W	AH	AJ	AK	BA ▲	BD	XO	TAP	KEY Size Sq.
42	2 ⁵ / ₈	1 ³ / ₄	27/32	9/32 SLOT	3/8	1 ¹ / ₈	1 ⁵ / ₁₆	3 ³ / ₄	3	2 ¹ / ₁₆	4 ⁷ / ₈	1 ⁵ / ₈	1/4_20(4)	3/64 FLAT
48	3	2 ¹ / ₈	1 ³ / ₈	1 ¹ / ₃₂ SLOT	1/2	1 ¹ / ₂	1 ¹¹ / ₁₆	3 ³ / ₄	3	2 ¹ / ₂	5 ¹ / ₂	2 ¹ / ₄	1/4_20(4)	3/64 FLAT
56 56H	3 ¹ / ₂	2 ⁷ / ₁₆	1 ¹ / ₂ 2 ¹ / ₂	1 ¹ / ₃₂ SLOT	5/8	1 ⁷ / ₈	2 ¹ / ₁₆	5 ⁷ / ₈	4 ¹ / ₂	2 ³ / ₄	6 ¹ / ₂	2 ¹ / ₄	3/8_16(4)	3/16
143T 145T	3 ¹ / ₂	2 ³ / ₄	2 2 ¹ / ₂	1 ¹ / ₃₂	7/8	2 ¹ / ₄	2 ¹ / ₈	5 ⁷ / ₈	4 ¹ / ₂	2 ¹ / ₄ ▲	6 ¹ / ₂	2 ¹ / ₄	3/8_16(4)	3/16
182T 184T	4 ¹ / ₂	3 ³ / ₄	2 ¹ / ₄ 2 ³ / ₄	1 ³ / ₃₂	1 ¹ / ₈	2 ³ / ₄	2 ⁵ / ₈	7 ¹ / ₄	8 ¹ / ₂	2 ³ / ₄ ▲	8 ¹ / ₂	2 ¹ / ₄	1/2_13(4)	1/4
213T 215T	5 ¹ / ₄	4 ¹ / ₄	2 ³ / ₄ 3 ¹ / ₂	1 ³ / ₃₂	1 ³ / ₈	3 ³ / ₈	3 ³ / ₈	7 ¹ / ₄	8 ¹ / ₂	3 ¹ / ₂ ▲	9	2 ¹ / ₄	1/2_13(4)	5/16
254T 256T	6 ¹ / ₄	5	4 ¹ / ₈ 5	1 ⁷ / ₃₂	1 ⁵ / ₈	4	3 ³ / ₄	7 ¹ / ₄	8 ¹ / ₂	4 ¹ / ₄ ▲	10		1/2_13(4)	3/8
284T 284TS 286T 286TS	7	5 ¹ / ₂	4 ³ / ₄ 5 ¹ / ₂	1 ⁷ / ₃₂	1 ⁷ / ₈ 1 ⁵ / ₈ 1 ⁷ / ₈ 1 ⁵ / ₈	4 ⁵ / ₈ 3 ³ / ₄ 4 ⁵ / ₈ 3 ³ / ₄	4 ³ / ₈ 3 4 ³ / ₈ 3	9	10 ¹ / ₂	4 ³ / ₄	11 ¹ / ₄		1/2_13(4)	1/2 3/8 1/2 3/8
324T 324TS 326T 326TS	8	6 ¹ / ₄	5 ¹ / ₄ 6	2 ¹ / ₃₂	2 ¹ / ₈ 1 ⁷ / ₈ 2 ¹ / ₈ 1 ⁷ / ₈	5 ¹ / ₄ 3 ³ / ₄ 5 ¹ / ₄ 3 ³ / ₄	5 3 ¹ / ₂ 5 3 ¹ / ₂	11	12 ¹ / ₂	5 ¹ / ₄	14		5/8_11(4)	1/2
364T 364TS 365T 365TS	9	7	5 ⁵ / ₈ 6 ¹ / ₈	2 ¹ / ₃₂	2 ² / ₈ 1 ¹ / ₈ 2 ² / ₈ 1 ¹ / ₈	5 ⁵ / ₈ 3 ³ / ₄ 5 ⁵ / ₈ 3 ³ / ₄	5 ⁵ / ₈ 3 ¹ / ₂ 5 ⁵ / ₈ 3 ¹ / ₂	11	12 ¹ / ₂	5 ⁵ / ₈	14		5/8_11(8)	5/8 1/2 5/8 1/2
404T 404TS 405T 405TS	10	8	6 ¹ / ₈ 6 ⁷ / ₈	1 ³ / ₁₆	2 ⁷ / ₈ 2 ¹ / ₈ 2 ⁷ / ₈ 2 ¹ / ₈	7 ¹ / ₄ 4 ¹ / ₄ 7 ¹ / ₄ 4 ¹ / ₄	7 4 7 4	11	12 ¹ / ₂	6 ⁵ / ₈	15 ¹ / ₂		5/8_11(8)	3/4 1/2 3/4 1/2
444T 444TS 445T 447T	11	9	7 ¹ / ₄ 8 ¹ / ₄ 10	1 ³ / ₁₆	3 ³ / ₈ 2 ³ / ₈ 3 ³ / ₈ 3 ³ / ₈	8 ¹ / ₂ 4 ³ / ₄ 8 ¹ / ₂ 8 ¹ / ₂	8 ¹ / ₄ 4 ¹ / ₂ 8 ¹ / ₄ 8 ¹ / ₄	14	16	7 ¹ / ₂	16		5/8_11(8)	7/8 5/8 7/8 7/8
447TS 449T 449TS	11	9	10 12 ¹ / ₂ 12 ¹ / ₂	1 ³ / ₁₆	2 ³ / ₈ 3 ³ / ₈ 2 ³ / ₈	4 ³ / ₄ 8 ¹ / ₂ 4 ³ / ₄	4 ¹ / ₂ 8 ¹ / ₄ 4 ¹ / ₂	14	16	7 ¹ / ₂	18		5/8_11(8)	5/8 7/8 5/8

Cross Reference A. O. Smith Stock Number v/s New Century® II Replacement

A. O. Smith Stock Number	New Century II Replacement Number	A. O. Smith Stock Number	New Century II Replacement Number	A. O. Smith Stock Number	New Century II Replacement Number
E130	T55026	E366	T48006	E554	T46035
E131V1	T57026	E367	T48007	E555	T46036
E132V1	T59026	E398	T48054	E557	T46010
E135	T55027	E399	T48055	E558	T46011
E136V1	T57027	E4100	T59042	E560	T48010
E137	T59027	E4101	T59043	E561	T48011
E152	T55028	E4102	T59044	E564	T48035
E153V1	T57028	E4103	T37043	E565	T48036
E154	T59028	E4104	T37044	E587	T35059
E160	T46051	E4105	TS18042	E592	T48058
E161	T46002	E4106	TS17043	E593	T48059
E162	T46003	E4107	TS17044	E600	T24037
E164	T46026	E4108	T46042	E601	T24038
E165	T46027	E4109	T46043	E614	T46060
E166	T46028	E4110	T46044	E615	T46061
E167	T48026	E4111	T57066	E620	T46037
E168	T48027	E4112	T57042	E622	T46038
E169	T48028	E4113	T57067	E624V1	T33037
E170	T48002	E4114	T57043	E625	T35037
E171	T48003	E4115	T57068	E627	T35038
E193	T48051	E4116	T57044	E628V1	T57037
E222	T44029	E4117	T57069	E629	T59037
E223	T44030	E4124	T24043	E630V1	T57038
E234	T48052	E4125	T24044	E631	T59038
E235	T48053	E4126	T35067	E634	T35013
E240	T46004	E4127	T35043	E635	T35014
E241	T46005	E4128	T35044	E636	T35060
E244	T46052	E4129	T35069	E637	T35061
E245	T46053	E4137	T35068	E642	T46012
E252	T55029	E4138	T35066	E643	T46013
E253V1	T57029	E422	T44033	E644	T48060
E254V1	T59029	E423	T44034	E645	T48061
E255	T55030	E430	T48008	E664	T48012
E256V1	T57030	E431	T48033	E665	T48037
E257V1	T59030	E432	T48009	E666	T48013
E260	T46029	E433	T48034	E667	T48038
E261	T46030	E434	T48056	E684V2	T35040
E270	T48029	E435	T48057	E700	T24039
E271	T48030	E436	T46008	E701	T24040
E272	T48004	E437	T46009	E712	T46039
E273	T48005	E442	T46056	E714	T46040
E322	T44031	E443	T46057	E716V2	T35039
E323	T44032	E460	T55033	E720	T57039
E336	T46006	E461V1	T57033	E721	T59039
E337	T46007	E462V1	T59033	E722	T57040
E342	T46054	E463	T55034	E723	T59040
E343	T46055	E464V1	T57034	E728	T35015
E350	T55031	E465V1	T59034	E729V1	T35016
E351V1	T57031	E466	T46033	E730V1	T35062
E352	T59031	E467	T46034	E731V2	T35063
E353	T55032	E535	T46058	E734	T33039
E354V1	T57032	E536	T46059	E735	T33040
E355V1	T59032	E549	T55035	E736	T33041
E356	T46031	E550V1	T57035	E741V1	T24042
E357	T46032	E551V1	T59035	E749	T46041
E364	T48031	E552V1	T57036	E751	T35041
E365	T48032	E553V1	T59036	E752	T35042

A. O. Smith Stock Number v/s New Century® II Replacement

Cross Reference

A. O. Smith Stock Number	New Century II Replacement Number	A. O. Smith Stock Number	New Century II Replacement Number	A. O. Smith Stock Number	New Century II Replacement Number
E625	T35037	E793	T57064	S307V1	TSD61006
E627	T35038	E794	T57065	S308V1	TSD61007
E628V1	T57037	E795	T59041	S444V1	TSD61008
E629	T59037	E8000	T57051	S445V1	TSD61009
E630V1	T57038	E8001	T57002	S504V1	TSD61010
E631	T59038	E8002	T57052	S505V1	TSD61011
E634	T35013	E8003	T57003	S604V1	TSD61012
E635	T35014	E8004	T57053	S605V1	TSD61013
E636	T35060	E8005	T57004	S113V1	TSD61026
E637	T35061	E8006	T57054	S116V1	TSD61027
E642	T46012	E8007	T57005	S118V1	TSD61028
E643	T46013	E8008	T57055	S226V1	TSD61029
E644	T48060	E8009	T57006	S228V1	TSD61030
E645	T48061	E8010	T57056	S303V1	TSD61031
E664	T48012	E8011	T57007	S304V1	TSD61032
E665	T48037	E8012	T57057	S440V1	TSD61033
E666	T48013	E8013	T57008	S441V1	TSD61034
E667	T48038	E8014	T57058	S500V1	TSD61035
E684V2	T35040	E8015	T57009	S501V1	TSD61036
E700	T24039	E8016	T57059	S600V1	TSD61037
E701	T24040	E8017	T57010	S601V1	TSD61038
E712	T46039	E8018	T57060	S114V1	TSD61051
E714	T46040	E8019	T57011	S206V1	TSD61052
E716V2	T35039	E8020V1	T57061	S207V1	TSD61053
E720	T57039	E8021	T57012	S305V1	TSD61054
E721	T59039	E8022	T57013	S306V1	TSD61055
E722	T57040	E8023	TS18039	S442V1	TSD61056
E723	T59040	E8024	TS18040	S443V1	TSD61057
E728	T35015	E8025	TS18041	S502V1	TSD61058
E729V1	T35016	E856	T35019	S503V1	TSD61059
E730V1	T35062	E884	T57017	S602V1	TSD61060
E731V2	T35063	E886V1	T57018	S603V1	TSD61061
E734	T33039	E888	T57019	New	T59002
E735	T33040	E9000	T48039	New	T59003
E736	T33041	E9001	T48040	New	T59004
E741V1	T24042	E9002	T48041	New	T59005
E749	T46041	E9003	T48042	New	T59006
E751	T35041	E9004	T48043	New	T59007
E752	T35042	E9005	T48044	New	T59008
E753	T57041	E9055	T26042	New	T59009
E756	T35017	E9056	T26043	New	T59010
E757V1	T35018	E9057	T26044	New	T59011
E758V1	T35064	E910	T33038	New	T59012
E759	T35065	E911	TS17039	New	T59013
E761V1	TS14039	E912	TS17040	New	T59051
E763	T26039	E913	TS17041	New	T59052
E765V1	TS14040	E914	TS17042	New	T59053
E767	T26040	E931	T37037	New	T59054
E771	T26041	E932	T37038	New	T59055
E773V1	TS14042	E933	T37039	New	T59056
E775	T24041	E934	T37040	New	T59057
E776V1	TS14041	E935	T37041	New	T59058
E788	T57062	E936	T37042	New	T59059
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H249	13	H992	4	T24044	12	T46008	20
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How to Read Date Codes on Motor Nameplates & Labels

Introduction of a new standard date code was implemented in August of 2006 that will eventually be used on all A. O. Smith product. The first three characters represent the day of the year, the next two the year, and the last two the plant code. For example, 123064M, would mean the 123rd day of 2006 (12306) manufactured in A. O. Smith's plant (4M).

A. O. Smith Product

Plant code–Month–Year. Example: 7B99. 7 is a plant code designation, B is the month (January is A, February is B, etc.) and 99 is the year.

Century®, Indiana General, Louis Allis Product

Year code–Month. Example: BA3. BA is the year (see table below). 3 is the month (1-12).

1992	BK	1998	BS	2004	BZ
1993	BL	1999	BT	2005	CA
1994	BM	2000	BU	2006	CB
1995	BN	2001	BW	2007	CC
1996	BP	2002	BX	2008	CD
1997	BR	2003	BY	2009	CE

Universal™ Product

Week (1-52), Year (Letter code from table below), Factory order number code, Plant code.

Example: 8 Z 0275592 R. 8 is the 8th week of the year, Z is the year (1988), 0275592 is the factory order code, R is the plant code (Ripley).

1992	D	1998	K	2004	S
1993	E	1999	L	2005	T
1994	F	2000	M	2006	U
1995	G	2001	N	2007	V
1996	H	2002	P	2008	W
1997	J	2003	R	2009	X

A. O. Smith Distributor Terms and Conditions

- 1) Prices are those in effect at time of shipment. Prices are subject to change without notice.
- 2) A minimum charge of \$25.00 will apply to any parts order which is less than \$25.00.
- 3) Freight Policy: Stock Motors
 - a) All shipments are F.O.B. shipping point.
 - b) On single release orders for 35 or more motors (or 1,200 pounds) A. O. Smith ships prepaid to the first destination within the continental U.S. Method of shipment is at the discretion of A. O. Smith.
 - c) Each release order less than 35 motors (or less than 1,200 pounds) will be shipped freight prepaid to the first destination with the freight charge added to the invoice. If the customer specifies the carrier on a charge freight order, the order will be shipped freight collect to the first destination.
 - d) Air shipment or other premium shipping method may be specified at the customer's expense.
 - e) Replacement parts and accessories ordered and shipped with motors will be shipped in accordance with the applicable motor freight policy.
 - f) Replacement parts and accessories ordered separately from motors will be shipped prepaid and charged on the invoice.
 - g) Drop Shipments: for orders of less than 35 motors of 48 frame and smaller sizes; a 5% price premium PLUS freight will be added to the invoice.
 - h) Drop Shipments: for orders of, 35 or more motors of 48 frame and smaller sizes; a 5% price premium will be added to the invoice, freight will be prepaid.
- 4) Freight is prepaid with the freight added to the invoice on all orders for Non Stock Special Build motors regardless of quantity.
- 5) Damaged merchandise or carton shortages must be reported by the wholesaler directly to the carrier. Deductions will not be allowed as A. O. Smith's responsibility ends with consignment to the carrier.
- 6) Claims for shortages must be reported within five business days following the date of delivery. Shortages must also be noted on the freight bill.
- 7) Terms: Net 30 days to all customers having approved credit standing.
- 8) Possession of this price list does not constitute an offer to sell.
- 9) Stock motors or parts cannot be returned without return authorization. All merchandise returned without authorization will be refused.
- 10) All stock motor returns will receive a 20% restocking charge. Customer pays return freight. All returns must be within 30 days from date of shipment and be new, in original packaging as received and the package must be clean and unmarked. No Returns after 30 days.



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www.aosmithmotors.com
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