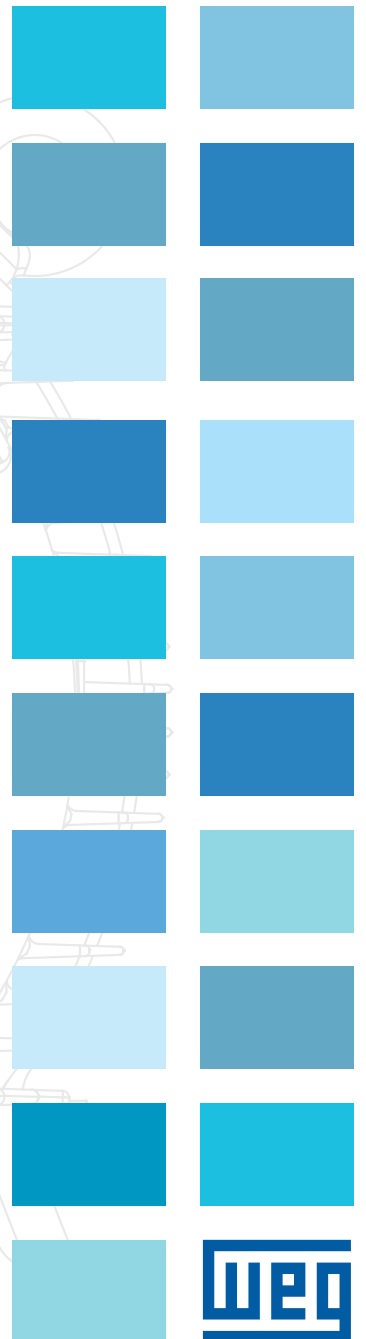
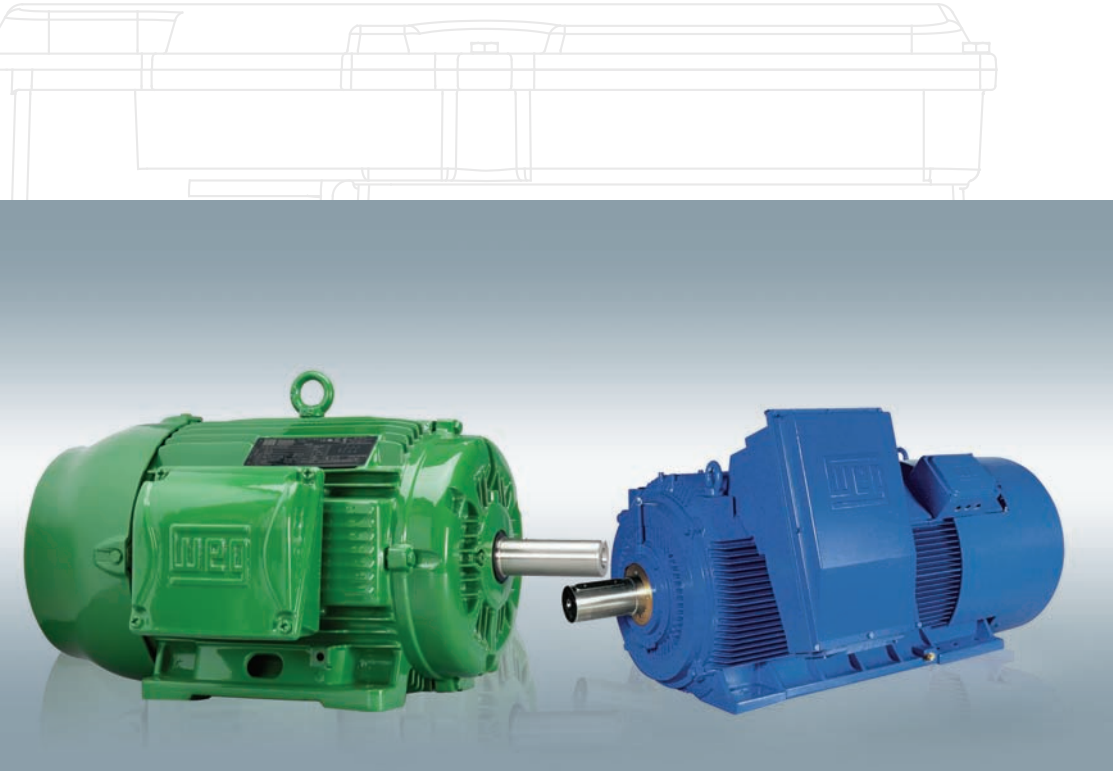


WEG Motor Catalog





**READY
TO
ORDER**

Lower total operational costs

A product that can operate most of its designed lifetime consuming the minimum possible energy, with high levels of reliability, generating the maximum value to the user – this is what is behind W22 new concept.

Inverter Duty applications

The exclusive WISE insulation system used on the W22 increases windings dielectric resistance, thus allowing VFD operation up to 575V without requiring further modification resulting in flexibility and extended motor lifetime.

** Voltages above 575 V, please contact our nearest sales office.*

Built to last

W22 motors are built using high quality cast iron from WEG's own foundries, assuring maximum durability and high performance in aggressive conditions. The new fan cover design provides great impact resistance. Additionally the endshields have been designed for a better bearing heat dissipation and structural rigidity.

Range extensions for the future

Available as both NEMA and IEC standards. The W22 line, offering high efficiency and low lifetime costs, will be the basis for further WEG developments.

Energy saving

Costs of energy correspond to approximately 90% of total operational costs throughout a motors lifetime. Acquisition, installation and maintenance cost the other 10%. W22 new industrial motor platform will be available with NEMA Premium® efficiencies, guaranteeing energy savings and reduced payback time.

WEG Electric Corp.

6655 Sugarloaf Parkway
Duluth, GA 30097
Phone: 1-800-ASK-4WEG (275-4934)

web: www.weg.net/us

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FRACTIONAL
HP

GENERAL
PURPOSE

NEMA PREMIUM
EFFICIENCY

EXPLOSION
PROOF

CRUSHER®
DUTY

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PUMP
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NOTES SYMBOL KEY

♣ : Reduced Frame	⚡ : Energy Efficiency (Pool and Spa)
❖ : Resilient Base	§ : Automatic Thermal Overload
⊕ : Split-Phase Motor	★ : Z-Frame; Bigger shaft diameter and bearings
◆ : Product may not be available from stock	Δ : W-frame (Please see dimensions at the end of this catalog)
● : Roller Bearing	② : Double Winding
● : Round Body	⌈ : F3 Mount
c : Compressor Duty	⌋ : 1.0 Service Factor
AL : Aluminum Frame with removable feet	RS : NEMA T Rolled Steel
⊗ : Totally Enclosed Non-Ventilated	Ⓢ : Energy Efficiency Motors

TRADEMARK NOTICE

The following are Trademarks of WEG Electric Motors:

Tru Metric™ • Shark™
Shark™ Drive • ADD-ON™

Disclaimer: WEG Electric Corp. has made every effort in order to include updated and accurate information in this catalog. All information is subject to updates, changes or corrections at anytime without prior notice.



Announcing...

WEG.NET/GREEN
website



Learn more about...

- WEG's Commitment to "Green"
- New Federal Legislation effective December 19, 2010
- WEG's Energy Efficient Products which already meet the December 19, 2010 Legislation
- How to Calculate Energy Savings with a NEMA Premium Motor
- How to Calculate Energy Savings with a Variable Frequency Drive
- Are Your Customer's Ready for December 19, 2010?



Go Green

To learn more about WEG's global solutions or to locate a WEG Distributor near you, please call 1-800-ASK-4WEG or visit www.weg.net/us.

Estimated Annual Savings From Specifying NEMA Premium Motors

Horsepower	Full-Load Motor Efficiency (%)		Annual Savings from Using a NEMA Premium Motor	
	Energy-Efficient Motor	NEMA Premium Efficiency Motor	Annual Energy Savings, kWh	Savings Per Year
10	89.5	91.7	1,200	\$60
25	92.4	93.6	1,553	\$78
50	93.0	94.5	3,820	\$191
100	94.5	95.4	4,470	\$223
200	95.0	96.2	11,755	\$588

Savings are based on the purchase of an 1,800 rpm, totally enclosed fan-cooled motor with 8,000 hours per year of operation, 75% of load, and an electrical rate of \$0.05/kWh. Source: NEMA





WEG QUALITY LOW VOLTAGE MOTOR FEATURES

THE EXTRAS THAT REALLY COUNT

FRACTIONAL HP
GENERAL PURPOSE
NEMA PREMIUM EFFICIENCY
EXPLOSION PROOF
CRUSHER® DUTY
IEC TRU-METRIC™
PUMP MOTORS
DEFINITE PURPOSE
ADD-ON™ MODIFICATIONS
MOTOR ELECTRICAL DATA
MOTOR TECHNICAL DATA
MAQUINAS LARGE MOTORS

FC 200 CAST IRON:	This is Explosion Proof quality cast iron (higher density), thus stronger with more efficiency and lower vibration levels.
STATOR CASTING FRAME:	Uni-body construction - Greater strength and no “Hot Spots”
TERMINAL BOX:	Oversize Cast Iron Terminal Box on most lines fitted with O-Ring rubber sealing gaskets and filled with resistant sponge-like material to seal the lead path through the frame and Rotatable by 90° turns.
SHAFT MATERIAL:	4140 High Tensile Steel on Frame 404T and up (4, 6 and vil pole). 1045 Carbon Steel on frames 143T to 365T 316 Stainless Steel on Jet Pump motors (TEFC and ODP)
BEARING:	Best Quality Bearings (SKF, NSK) Enlarged grease cavities and double strength bearings retainer caps.
GREASE:	All frames ESSO/EXXON POLYREX EM - blue color and is a polyurea based grease (achieved a lubrication life of more than 700 hours at 177°C (350°F)). Other special greases available upon request.
DESIGN TEMP. RISE:	80°C (Class “B”) temperature rise
WINDING IMPREGNATION:	Class “H” Resin for all motors. Resin continuous flow (trickle) on all windings-364T and up.
WINDING INSULATION:	Class F (155°C) Insulation System Tropicalized windings
DEGREE OF PROTECTION TEFC (IP55):	IP55 (Severe Duty) (Water projected by a nozzle against the enclosure from any direction shall have no harmful effect) V-ring Seals (prevents water and dust entering the motor around the shaft) Tachonite Labryinth Seals on TEFC (Also available) Drain Plugs (to remove excess water that results from condensation) – Gasketed conduit box
SERVICE FACTOR:	1.25 on NEMA TEFC motors 1HP to 100HP and 1.15 on 125HP and up
PAINTING:	Internal/External parts painted with anti-corrosive alkydic resin base paint
HARDWARE:	All hardware components are zinc plated
FLEXIBILITY:	F1 and F2 mounting (mechanically reversible) Horizontal or Vertical mount - Circlips on opposite drive end - frames 324T and up
AREA CLASSIFICATION:	Class I, Division 2, Group C and D listed on nameplate Designed for intermittent hazardous environments (except explosion proof)
BALANCING:	Rotating parts dynamically balanced According to IEC 34.14 (more stringent than NEMA standards)
STARTING:	Wye Delta starting to reduce inrush current standard for frames 254T and above in most lines.
TORQUES:	Locked Rotor and Breakdown Torques that exceed Design C for almost ALL ratings (NEMA Design C requires significantly higher LRT and BDT than NEMA Design B, the standard for most all other manufacturers)

Limited Warranty:

WEG Electric Corp. is proud of all of our product lines. WEG and its employees are committed to our customers and users to provide the best designed and manufactured motors, drives and controls. WEG provides a limited warranty on our products against defects in materials and workmanship for a specific period from the date of purchase. If a motor's date code is within its stated warranty period (18 month, 36 month, etc.), no proof of purchase is required. Otherwise, a copy of the invoice is necessary to show the date of purchase.

Warranty Period:

- The standard warranty for WEG products is 18 months from the invoice date.
- For W21 NEMA Premium Efficiency motors the warranty is 36 months from the invoice date.
- For IEEE 841 motors, the warranty is 60 months from the invoice date.
- Custom motors are warranted for 24 months from the date code, unless otherwise agreed.

No Fault Warranty:

WEG offers a "No Fault Warranty" on Shark line motors and all motors up to and including 215-frame size motors. "No Fault Warranty" is offered one time, per end user, per application. "No Fault Warranty" claims will require the nameplate off the motor, brief description of failure and a copy of the WEG invoice. (For Shark motor claims, include the terminal box cover, a brief description of the failure and a copy of the WEG invoice). If there is more than one failure, please contact the Warranty Department for review. No EASA report is required for "No Fault Warranty Claims".

Standard Warranty Procedures:

For motors above 215-frame size the following procedure applies. Correspondence may be provided via e-mail, fax, or regular mail. Motor is to be inspected by a WEG Authorized Service Center, or if none available, an EASA-affiliated service shop. For motors above 50 HP, pictures are required. Provide a copy of the original WEG sales invoice. If a warranty is granted, the motor nameplate will need to be removed from the motor and mailed to WEG Warranty Department.

Authorized Service Centers:

WEG has service centers around the world to meet the needs of our customers. Information regarding the nearest service center can be found on our web site at www.wegelectric.com or by calling 1-800-ASK-4WEG (1-800-275-4934). Any warranty repair by a service shop must be pre-approved by WEG.

Warranty Service:

If a WEG product requires warranty service due to defective materials or workmanship, WEG will, at its option, either repair or replace the defective product. Warranty is applied to products that have been, at all times, properly maintained and operated or used under the normal operating conditions for which the product was designed. WEG is not responsible for any expenses incurred in installation, removal from service, transportation (freight) or consequential expenses.

Limitation of Warranty:

THE FOREGOING WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES OF QUALITY AND PERFORMANCE, WRITTEN, ORAL OR IMPLIED, AND ALL OTHER WARRANTIES INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ARISING FROM COURSE OF DEALING OR USAGE OF TRADE ARE HEREBY DISCLAIMED BY WEG. THE FOREGOING OBLIGATION TO REPAIR OR REPLACE WEG PRODUCTS OR PARTS SHALL BE THE SOLE AND EXCLUSIVE REMEDY OF THE PURCHASER, ITS CUSTOMERS, OR USERS OF THE PRODUCTS OR PARTS.

Proper Storage of Motors:

When motors are not immediately installed, they should be stored in their normal upright position in a dry even temperature place, free of dust, gases and corrosive atmosphere. Inactive motors tend to expel grease from between the bearing surfaces, thereby removing the protective film that impedes metal-to-metal contact. At least once per month shafts should be rotated in accordance with WEG installation and maintenance manual. Motors stored for a period exceeding one year should have the bearings re-lubricated in accordance with WEG motor installation and maintenance manual.

Contact WEG Warranty:

Toll Free: 800-839-2529

Email: warranty@weg.net

FRACTIONAL
HP

GENERAL
PURPOSE

NEMA PREMIUM
EFFICIENCY

EXPLOSION
PROOF

CRUSHER®
DUTY

IEC
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PUMP
MOTORS

DEFINITE
PURPOSE

ADD-ON™
MODIFICATIONS

MOTOR
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MOTOR
MECHANICAL DATA

MAQUINAS
LARGE MOTORS



Important Facts About WEG Motors & the Energy Policy Act-EPAct

The Department of Energy's Energy Policy Act (EPAct 92) became effective October 24, 1997. The purpose is conservation, since electric motors represent a major portion of electrical energy consumption. Also, the adoption of energy efficiency motors is expected to reduce the need for new power plants.

MOTORS COVERED BY EPAct 92

Originally, EPAct covered motors were defined as follows:

- General Purpose (NEMA and IEC)
- NEMA-T Frame
- Explosion Proof
- Foot-mounted
- Ball or Roller Bearings
- 1 to 200 HP
- NEMA Design A or B
- Continuous duty rated
- Squirrel cage induction
- Thermally protected
- 3600, 1800 and 1200 RPM
- 60Hz - 230 and 460 Volts
- Three-phase

Finding this definition too loose, the Department of Energy provided in June 20, 1997 a guidance to electric motor manufacturers in order to help them to identify what motors are considered "general purpose, definite purpose or special purpose". The DOE classified the motors into these categories:

Category I – General purpose as defined by EPAct and applicable from October 24, 1997.

Category 2 – Definite purpose that can be used in most general purpose applications.

Category III, 4 and V – Motors not covered by EPAct (definite and special purpose motors).

MOTORS NOT COVERED BY EPAct 92

- 250HP and up (above EPAct)
- 900RPM and lower
- NEMA Design C or D
- DC motors
- Close-coupled JM, JP and P-Base motors
- Two-speed motors
- Brake motors
- Inverter duty motors
- Single-phase motors
- Fractional horsepower motors

If you are unsure whether your motor application is covered by EPAct, please contact WEG for clarification.

WEG POLICY

- All WEG High Efficiency motors meet EPAct levels.
- WEG's NEMA Premium Efficiency line exceeds EPAct levels.
- Standard efficiency motors are still available on a custom basis for installation outside the United States.

MOTORS FOR EXPORT

Standard Efficiency motors covered by EPAct cannot be sold for application within the United States. These motors, however, can be purchased for export.

FRACTIONAL
HP

GENERAL
PURPOSE

NEMA PREMIUM
EFFICIENCY

EXPLOSION
PROOF

CRUSHER®
DUTY

IEC
TRU-METRIC™

PUMP
MOTORS

DEFINITE
PURPOSE

ADD-ON™
MODIFICATIONS

MOTOR
ELECTRICAL DATA

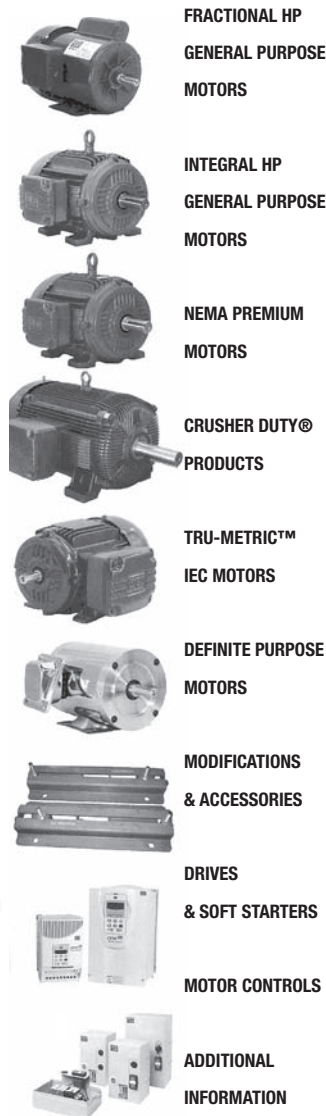
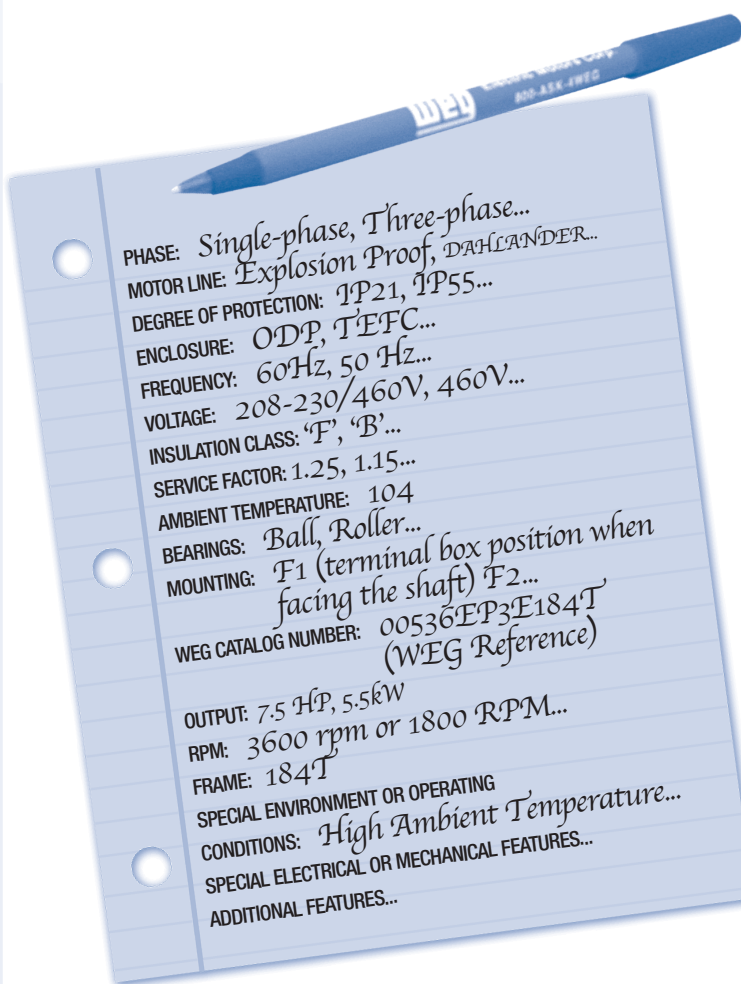
MOTOR
TECHNICAL DATA

MAQUINAS
LARGE MOTORS

HOW TO ORDER WEG MOTORS

A complete and clearly specified purchase order will avoid inconvenience and save valuable time in order processing. Please include the following in your purchase order:

- ☐ Quantity ☐ WEG catalog number or ☐ a complete description of the motor as described below:



FOR MORE INFORMATION, PLEASE CONTACT YOUR NEAREST WEG DISTRIBUTOR / REPRESENTATIVE.

Our Return Policy

"WEG products that are purchased from our stocking warehouses must be returned within 90 days, freight to be paid by customer. Returned products must be unused, and in undamaged original packaging.

If products are ordered incorrectly by the customer and need to be returned to stock, then a 20% re-stocking charge will be applied. If an order of equal or greater amount is placed at the time of the return,

then the fee will be reduced to 10%.

If the returned products are deemed not to be in unused, undamaged condition, or in original packaging, then additional fees will be applied (up to and including full price of item).

Returns on any modified products will not be allowed.

Any products that are ordered as specials (with features that would not allow them to be stocked items) cannot be returned."

FRACTIONAL
HP

GENERAL
PURPOSE

NEMA PREMIUM
EFFICIENCY

EXPLOSION
PROOF

CRUSHER®
DUTY

IEC
TRU-METRIC™

PUMP
MOTORS

DEFINITE
PURPOSE

ADD-ON™
MODIFICATIONS

MOTOR
ELECTRICAL DATA

MOTOR
MECHANICAL DATA

MAQUINAS
LARGE MOTORS



Ordering

WEG model numbers contains up to 15 characters, distributed as follows:

<u>XXX</u> (HP)	<u>XX</u> (rpm)	<u>XXX</u> (Model)	<u>X</u> (Volts)	<u>X X X X X</u> (Application + Frame)
--------------------	--------------------	-----------------------	---------------------	---

HP¹ - .12 - .16 - .25 - .33 - .50 - .75 - 001 - 00151 - 002 - 003 - 004 - 00451 - 005 - 007 - 010 - 015 - 020 - 025 - 030 - 040 - 050 - 075 - 100 - 125 - 150 - 200 - 250 - 300 - 400 - 450 - 500 ...

RPM - **36:** 3600rpm **18:** 1800rpm **12:** 1200rpm **09:** 900rpm
 30: 3000rpm **15:** 1500rpm **10:** 1000rpm **07:** 750rpm

Model - Three Characters:

X ENCLOSURE	X EFFICIENCY	X PHASE
E - Totally Enclosed	S - Standard Efficiency	1 - <u>1</u> Phase
S - Severe duty IEEE 841	P - <u>H</u> igh Efficiency	3 - <u>3</u> Phase
O - Open drip proof	T - <u>N</u> EMA Premium	
X - eXplosion proof		

Application + Frame -

For Definite Purpose lines, two pre-selected letters must be used after voltage code:

Volts-

A - 115	J - 380V
B - 115 / 208 - 230 V	K - 190 / 380V
C - 208 - 230 V	L - 415V
D - 230 V	M - 220 / 380 - 415V
E - 208 - 230 / 460 V*	N - 220 / 380V
F - 230 / 460V	O - 380 - 415V
G - 460V PWS	P - 200V
H - 575V	Q - 460V
I - 220V	R - 115 / 230V
X - Other Voltage	V - 200 / 400V

* Suitable for PWS on 254T and larger on low voltage connection.

AD	-	<u>A</u> uger <u>D</u> rive
AL	-	<u>A</u> luminum <u>F</u> rame
BM	-	<u>B</u> rake <u>M</u> otors
CD	-	<u>C</u> ompressor <u>D</u> uty
CT	-	<u>C</u> ooling <u>T</u> ower
DP	-	<u>D</u> ouble <u>P</u> ole (2 Speed)
FD	-	<u>F</u> arm <u>D</u> uty
HS	-	<u>H</u> ollow <u>S</u> haft
IB	-	<u>I</u> nverter <u>D</u> uty (TEBC)
IE	-	<u>I</u> EEE 841 (Severe Duty IEEE 841)
IP	-	<u>I</u> rrigation <u>P</u> umping
JP	-	<u>J</u> et <u>P</u> ump
KD	-	<u>C</u> rusher- <u>D</u> uty
OL	-	<u>M</u> anual <u>O</u> ver <u>L</u> oad <u>P</u> rotection
OT	-	<u>O</u> il <u>W</u> ell <u>P</u> umping - <u>T</u> riple <u>R</u> ated
OW	-	<u>O</u> il <u>W</u> ell <u>P</u> umping
PF	-	<u>P</u> oultry <u>F</u> an
R	-	(Before the frame size): <u>R</u> ound <u>B</u> ody
RB	-	<u>R</u> oller <u>B</u> earings (Integrals)
RB	-	<u>R</u> esilient <u>B</u> ase (Fractionals)
RS	-	<u>R</u> olled <u>S</u> teel <u>F</u> rame
SA	-	<u>S</u> aw <u>A</u> rbor
SP	-	<u>S</u> plit <u>P</u> hase
SS	-	<u>S</u> tainless <u>S</u> teel
VD	-	<u>V</u> ector <u>D</u> uty (TEBC or TENV)

1 For IEC Metric motors, the output will be given in kW:

.12 - .18 - .25 - .37 - .55 - .75 - 001 - 0015 - 002 - 003 - 004 - 0045 - 005 - 007 - 009 - 011 - 015 - 018 - 022 - 030 - 037 - 045 - 055 - 075 - 090 - 110 - 130 - 150 - 185 - 200 - 220 - 250 - 300 - 315 ...

2 0015 (1.5HP) is the rating that will have four digits for output Identification and only one for RPM.

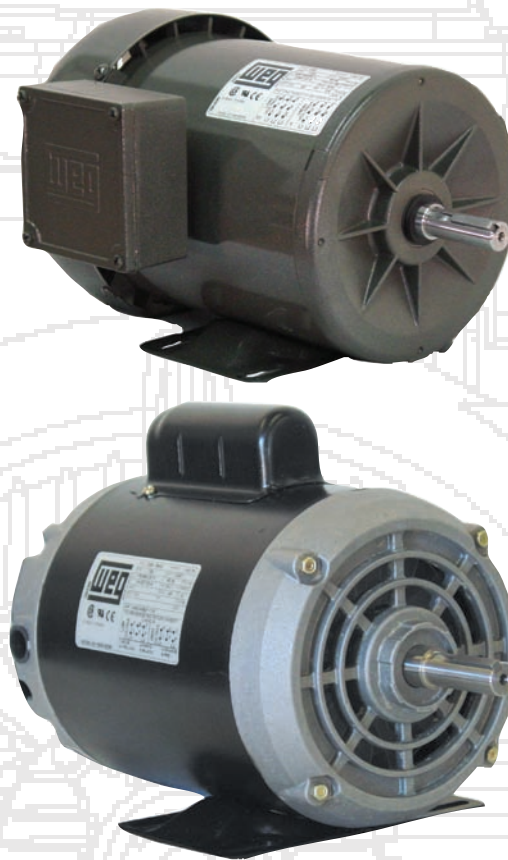
0045 (4.5kW) is the rating that will have four digits for output identification and only one for RPM.

¹ Roller bearings are recommended for all belt driven applications 100HP and above.

Frame

The frame number must be included as long as the number of remaining characters allow.

Example: 143T, 143TC, 405T, 405TS, 184JP.



ENDSHIELDS

Aluminum or Cast Iron Material with special aerodynamic design to promote maximum cooling efficiency. The cast iron and the polished bearing housings provide for the ultimate bearing life.

CAPACITOR STARTING (SINGLE-PHASE)

To provide maximum torque.

FRAME

Made of cold laminated steel plate, with an anti-corrosive treatment.

WINDING

Made of varnished copper wire, the stator slots are Class "B" (130°C) insulation, with high dielectric rigidity, and an excellent mechanical resistance. Phase to phase insulation is standard for all three-phase motors.

STATOR

Composed of highest quality silicone steel laminations.

CENTRIFUGAL SWITCH

The Centrifugal Switch has special helicoidal steel springs, commanded by counter-weights, assembled on a rigid base. The Platinum point with a surplus-spring eliminates oscillations and avoids sparks and consequent erosion of contacts.

ROTOR

Composed of magnetic laminations with low electrical losses. Pure alloy aluminum bars, form the cage, and are cast under pressure into one piece.

INTERNAL FAN

Nylon, produces a large volume of air at a minimum noise level.

OVERSIZED SHIELDED BEARINGS

Lubricated for the life of the bearing, and sized to provide maximum load capacity and bearing life.





Fractional HP General Purpose

FRACTIONAL
HP

SINGLE PHASE

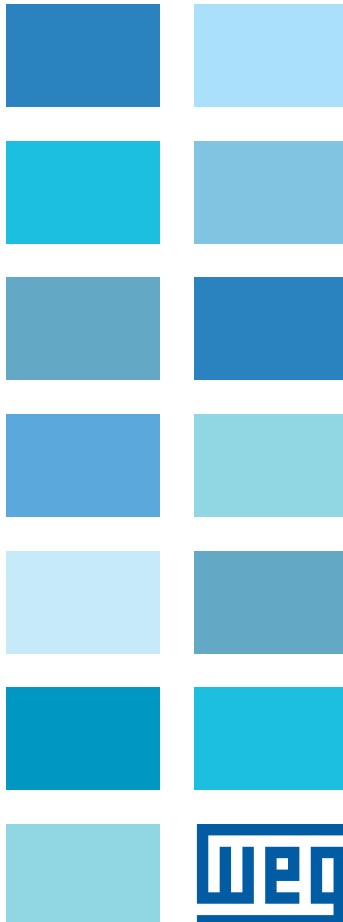
These motors have a wide range of applications. Because of their high starting torque, they are particularly well-suited for heavy starting loads.



ODP



TEFC



APPLICATIONS

- Pumps
- Air Conditioning equipment
- Farm Equipment
- Conveyors
- Business machines
- Gear reducers
- Compressors
- Tools
- Fans and blowers
- Packaging equipment

STANDARD FEATURES

- Single-phase, 2, 4 or 6 pole, 60Hz
- Voltage: 115/208-230V
- Squirrel cage rotor
- Start capacitor
- NEMA dimensions
- Class 'B' insulation (130°C)
- High starting torque
- Ball Bearings
- Open drip proof (ODP - IP21)
- Totally enclosed fan cooled (TEFC - IP55)
- Color: RAL 7022 (Dark Gray)
- Continuous Duty (S1), 40°C ambient
- V-ring slingers on both endshields (for TEFC only)
- Designed to operate in any position (for TEFC only)
- Reversible

OPTIONAL FEATURES

- Class 'F' insulation
- Flange mount
- Special voltages
- Specially dimensioned shaft
- Second shaft end
- Stainless steel shaft
- Footless
- Other mounting configurations
- Manual or Automatic thermal overload protection



FRACTIONAL HP – GENERAL PURPOSE MOTORS

ODP – NEMA 48 & 56 FRAMES – SINGLE-PHASE MOTORS



FRACTIONAL
HP

RIGID BASE

HP	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym	Approx. Shipping Weight Lbs.	Service Factor	FL Amps 230V	"C" Dimension	Voltage	Notes
1/8	1800	48	.12180S1BB48	201	F1B	17	1.40	1.60	9.409	115/208-230V	
1/6	3600	48	.16360S1BB48	216	F1B	17	1.35	1.60	9.409	115/208-230V	
	1800	48	.16180S1BB48	208	F1B	17	1.35	1.90	9.409	115/208-230V	
	1800	48	.16180S1BSPB48	224	F1B	19	1.35	1.90	9.409	115/208-230V	†
	3600	48	.25360S1BB48	220	F1B	19	1.35	1.90	9.409	115/208-230V	
1/4	3600	56	.25360S1B56	220	F1B	19	1.35	1.90	9.764	115/208-230V	
	1800	48	.25180S1BB48	209	F1B	19	1.35	2.40	9.409	115/208-230V	
	1800	48	.25180S1BSPB48	240	F1B	20	1.35	2.40	9.409	115/208-230V	†
	1800	56	.25180S1B56	209	F1B	19	1.35	2.40	9.764	115/208-230V	
1/3	3600	48	.33360S1BC48	222	F1B	22	1.35	2.60	10.197	115/208-230V	
	3600	56	.33360S1BC56	222	F1B	22	1.35	2.60	10.551	115/208-230V	
	1800	48	.33180S1BC48	237	F1B	22	1.35	3.00	10.197	115/208-230V	
	1800	48	.33180S1BSPC48	258	F1B	22	1.35	3.00	10.197	115/208-230V	†
	1800	56	.33180S1BC56	237	F1B	22	1.35	3.00	10.551	115/208-230V	
1/2	3600	48	.50360S1BC48	237	F1B	24	1.25	3.40	10.197	115/208-230V	
	3600	56	.50360S1BC56	242	F1B	24	1.25	3.40	10.551	115/208-230V	
	1800	48	.50180S1BC48	273	F1B	24	1.25	3.90	10.197	115/208-230V	
	1800	48	.50180S1BSPC48	279	F1B	24	1.25	3.90	10.197	115/208-230V	†
	1800	56	.50180S1BC56	264	F1B	24	1.25	3.90	10.551	115/208-230V	
3/4	3600	56	.75360S1BB56	274	F1B	32	1.25	5.50	11.102	115/208-230V	
	1800	56	.75180S1BD56	328	F1B	36	1.25	5.50	12.283	115/208-230V	
1	3600	56	001360S1BD56	296	F1B	36	1.25	7.00	12.283	115/208-230V	
	1800	56	001180S1BD56	355	F1B	39	1.15	7.00	12.283	115/208-230V	
1 1/2	3600	56	001560S1BD56	333	F1B	40	1.15	9.00	12.283	115/208-230V	
	1800	56	001580S1BF56	438	F1B	51	1.15	10.5	13.464	115/208-230V	
2	3600	56	002360S1BF56	409	F1B	48	1.15	11.0	13.464	115/208-230V	
	1800	56	002180S1BG56	522	F1B	55	1.00	13.0	13.858	115/208-230V	
3	3600	56	003360S1BG56	475	F1B	53	1.15	15.0	13.858	115/208-230V	

- ELECTRICAL FEATURES ON PAGE B-2.
- MECHANICAL FEATURES ON PAGE B-45.



WITH AUTOMATIC OVERLOAD PROTECTION RESILIENT BASE

HP	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym	Approx. Shipping Weight Lbs.	Service Factor	FL Amps 230V	"C" Dimension	Voltage	Notes
1/3	1800	56	.33180S1BRB0C56	288	F1B	22	1.15	3.00	10.551	115/208-230V	†
1/2	1800	56	.50180S1BRB0C56	316	F1B	24	1.15	3.90	10.551	115/208-230V	†
3/4	1800	56	.75180S1BRB0D56	379	F1B	36	1.15	5.50	12.283	115/208-230V	
1	1800	56	001180S1BRB0D56	408	F1B	39	1.15	7.00	12.283	115/208-230V	
1 1/2	3600	56	001560S1BRB0D56	386	F1B	40	1.15	9.00	12.283	115/208-230V	
	1800	56	001580S1BRB0D56	491	F1B	51	1.15	10.5	13.464	115/208-230V	

- ELECTRICAL FEATURES ON PAGE B-2.
- MECHANICAL FEATURES ON PAGE B-46.

† = Split-Phase Motor

RIGID BASE



HP	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym	Approx. Shipping Weight Lbs.	Service Factor	FL Amps 230V	"C" Dimension	Voltage	Notes
1/4	3600	56	.2536ES1BB56	257	F1	31	1.15	2.50	11.496	115/208-230V	
	1800	56	.2518ES1BB56	267	F1	33	1.15	2.30	11.496	115/208-230V	
1/3	3600	56	.3336ES1BB56	267	F1	36	1.15	2.80	11.496	115/208-230V	
	1800	56	.3318ES1BB56	283	F1	36	1.15	3.00	11.496	115/208-230V	
1/2	3600	56	.5036ES1BB56	284	F1	40	1.15	3.80	11.496	115/208-230V	
	1800	56	.5018ES1BB56	312	F1	41	1.15	3.85	11.496	115/208-230V	
	1200	56	.5012ES1BD56	512	F1	41	1.15	4.90	12.677	115/208-230V	
3/4	3600	56	.7536ES1BB56	297	F1	41	1.15	5.30	11.496	115/208-230V	
	1800	56	.7518ES1BB56	348	F1	46	1.15	5.60	11.496	115/208-230V	
	1200	56H	.7512ES1BF56	648	F1	58	1.15	5.20	13.858	115/208-230V	
1	3600	56	00136ES1BD56	376	F1	46	1.15	6.30	12.677	115/208-230V	
	1800	56	00118ES1BD56	401	F1	52	1.15	7.00	12.677	115/208-230V	
1 1/2	3600	56	00156ES1BD56	432	F1	56	1.15	8.50	12.677	115/208-230V	
	1800	56H	00158ES1BF56	456	F1	58	1.15	9.00	13.858	115/208-230V	
2	3600	56H	00236ES1BF56	561	F1	65	1.15	10.5	13.858	115/208-230V	

- ELECTRICAL FEATURES ON PAGE B2.
- MECHANICAL FEATURES ON PAGE B-46.

WITH MANUAL OVERLOAD PROTECTION



HP	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym	Approx. Shipping Weight Lbs.	Service Factor	FL Amps 230V	"C" Dimension	Voltage	Notes
1/2	3600	56	.5036ES1BOLB56	316	F1	40	1.15	3.80	11.496	115/208-230V	
3/4	3600	56	.7536ES1BOLB56	329	F1	41	1.15	5.30	11.496	115/208-230V	
1	3600	56	00136ES1BOLD56	408	F1	46	1.15	6.30	12.677	115/208-230V	
1 1/2	3600	56	00156ES1BOLD56	463	F1	56	1.15	8.50	12.677	115/208-230V	
2	3600	56H	00236ES1BOLF56	592	F1	65	1.15	10.5	13.858	115/208-230V	

- ELECTRICAL FEATURES ON PAGE B-2.
- MECHANICAL FEATURES ON PAGE B-46.

SINGLE PHASE - C-FACE

These motors have a wide range of applications. Because of their high starting torque, they are particularly well-suited for heavy starting loads. They are fitted with a C-Face as well as mounting feet for flexible mounting situations.



TEFC



ODP

APPLICATIONS

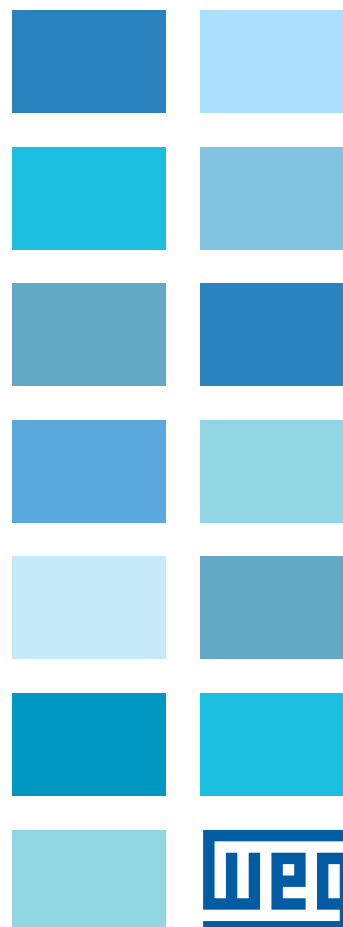
- Pumps
- Air Conditioning equipment
- Farm Equipment
- Conveyors
- Business machines
- Gear reducers
- Compressors
- Tools
- Fans and blowers
- Packaging equipment

STANDARD FEATURES

- Single-phase, 2, 4 or 6 pole, 60Hz
- Voltage: 115/208-230V
- Squirrel cage rotor
- Start capacitor
- NEMA dimensions
- Class 'B' insulation (130°C)
- High starting torque
- Ball Bearings
- Open drip proof (ODP - IP21)
- Totally enclosed fan cooled (TEFC - IP55)
- Color: RAL 7022 (Dark Gray)
- Continuous Duty (S1), 40°C ambient
- V-ring slingers on both endshields (for TEFC only)
- Designed to operate in any position (for TEFC only)
- FC-149 flange

OPTIONAL FEATURES

- Class 'F' insulation
- Flange mount
- Special voltages
- Specially dimensioned shaft
- Second shaft end
- Stainless steel shaft
- Footless
- Other mounting configurations
- Manual or Automatic thermal overload protection
- FC-95 flange



C-FACE – RIGID BASE



HP	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym	Approx. Shipping Weight Lbs.	Service Factor	FL Amps 230V	"C" Dimension	Voltage	Notes
1/8	3600	48C	.12360S1BB48C	226	F1B	17	1.40	1.60	9.409	115/208-230V	
	1800	48C	.12180S1BB48C	222	F1B	17	1.40	1.60	9.409	115/208-230V	
1/6	3600	48C	.16360S1BB48C	237	F1B	17	1.35	1.60	9.409	115/208-230V	
	1800	48C	.16180S1BB48C	231	F1B	17	1.35	1.90	9.409	115/208-230V	
	1800	48C	.16180S1BSPB48C	247	F1B	19	1.35	1.90	9.409	115/208-230V	†
1/4	3600	48C	.25360S1BB48C	241	F1B	19	1.35	1.90	9.409	115/208-230V	
	3600	56C	.25360S1B56C	241	F1B	19	1.35	1.90	9.764	115/208-230V	
	1800	48C	.25180S1BB48C	233	F1B	19	1.35	2.40	9.409	115/208-230V	
	1800	48C	.25180S1BSPB48C	263	F1B	20	1.35	2.40	9.409	115/208-230V	†
	1800	56C	.25180S1B56C	233	F1B	19	1.35	2.40	9.764	115/208-230V	
1/3	3600	48C	.33360S1BC48C	244	F1B	22	1.35	2.60	10.197	115/208-230V	
	3600	56C	.33360S1BC56C	244	F1B	22	1.35	2.60	10.551	115/208-230V	
	1800	48C	.33180S1BC48C	258	F1B	22	1.35	3.00	10.197	115/208-230V	
	1800	48C	.33180S1BSPC48C	282	F1B	22	1.35	3.00	10.197	115/208-230V	†
	1800	56C	.33180S1BC56C	258	F1B	22	1.35	3.00	10.551	115/208-230V	
1/2	3600	48C	.50360S1BC48C	258	F1B	24	1.25	3.40	10.197	115/208-230V	
	3600	56C	.50360S1BC56C	266	F1B	24	1.25	3.40	10.551	115/208-230V	
	1800	48C	.50180S1BC48C	296	F1B	24	1.25	3.90	10.197	115/208-230V	
	1800	48C	.50180S1BSPC48C	300	F1B	24	1.25	3.90	10.197	115/208-230V	†
	1800	56C	.50180S1BC56C	286	F1B	24	1.25	3.90	10.551	115/208-230V	
3/4	3600	56C	.75360S1BB56C	297	F1B	32	1.25	5.50	11.102	115/208-230V	
	1800	56C	.75180S1BD56C	349	F1B	36	1.25	5.50	12.283	115/208-230V	
1	3600	56C	001360S1BD56C	317	F1B	36	1.25	7.00	12.283	115/208-230V	
	1800	56C	001180S1BD56C	378	F1B	39	1.15	7.00	12.283	115/208-230V	
1 1/2	3600	56C	001560S1BD56C	355	F1B	40	1.15	9.00	12.283	115/208-230V	
	1800	56HC	001580S1BF56C	461	F1B	51	1.15	10.5	13.464	115/208-230V	
2	3600	56HC	002360S1BF56C	432	F1B	48	1.15	11.0	13.464	115/208-230V	
	1800	56HC	002180S1BG56C	544	F1B	55	1.00	13.0	13.858	115/208-230V	
3	3600	56HC	003360S1BG56C	496	F1B	53	1.15	15.0	13.858	230V	

- ELECTRICAL FEATURES ON PAGE B-2.
- MECHANICAL FEATURES ON PAGE B-45.



C-FACE – FOOTLESS

HP	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym	Approx. Shipping Weight Lbs.	Service Factor	FL Amps 230V	"C" Dimension	Voltage	Notes
1/3	3600	56C	.33360S1BC56CFL	244	F1B	22	1.35	2.60	10.551	115/208-230V	
	1800	56C	.33180S1BC56CFL	258	F1B	22	1.35	3.00	10.551	115/208-230V	
1/2	3600	56C	.50360S1BC56CFL	266	F1B	24	1.25	3.40	10.551	115/208-230V	
	1800	56C	.50180S1BC56CFL	286	F1B	24	1.25	3.90	10.551	115/208-230V	
3/4	3600	56C	.75360S1BB56CFL	297	F1B	32	1.25	5.50	11.102	115/208-230V	
	1800	56C	.75180S1BD56CFL	349	F1B	36	1.25	5.50	12.283	115/208-230V	
1	3600	56C	001360S1BD56CFL	317	F1B	36	1.25	7.00	12.283	115/208-230V	
	1800	56C	001180S1BD56CFL	378	F1B	39	1.15	7.00	12.283	115/208-230V	
1 1/2	3600	56C	001560S1BD56CFL	355	F1B	40	1.15	9.00	12.283	115/208-230V	
	1800	56C	001580S1BF56CFL	461	F1B	51	1.15	10.5	13.464	115/208-230V	
2	3600	56C	002360S1BF56CFL	432	F1B	48	1.15	11.5	13.464	115/208-230V	
	1800	56C	002180S1BG56CFL	544	F1B	55	1.00	13.0	13.858	115/208-230V	
3	3600	56C	003360S1BG56CFL	496	F1B	53	1.15	15.0	13.858	208-230V	

- ELECTRICAL FEATURES ON PAGE B-2.
- MECHANICAL FEATURES ON PAGE B-45.

† = Split-Phase Motor

FRACTIONAL HP – GENERAL PURPOSE MOTORS

TEFC – NEMA 56 FRAMES – SINGLE-PHASE MOTORS



FRACTIONAL
HP

C-FACE – RIGID BASE

HP	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym	Approx. Shipping Weight Lbs.	Service Factor	FL Amps 230V	"C" Dimension	Voltage	Notes
1/4	3600	56C	.2536ES1BB56C	280	F1	31	1.15	2.50	11.496	115/208-230V	
	1800	56C	.2518ES1BB56C	288	F1	33	1.15	2.30	11.496	115/208-230V	
1/3	3600	56C	.3336ES1BB56C	288	F1	36	1.15	2.80	11.496	115/208-230V	
	1800	56C	.3318ES1BB56C	304	F1	36	1.15	3.00	11.496	115/208-230V	
1/2	3600	56C	.5036ES1BB56C	313	F1	40	1.15	3.80	11.496	115/208-230V	
	1800	56C	.5018ES1BB56C	333	F1	41	1.15	3.85	11.496	115/208-230V	
	1200	56C	.5012ES1BD56C	535	F1	44	1.15	4.90	11.496	115/208-230V	
3/4	3600	56C	.7536ES1BB56C	353	F1	41	1.15	5.30	11.496	115/208-230V	
	1800	56C	.7518ES1BB56C	370	F1	46	1.15	5.60	11.496	115/208-230V	
	1200	56HC	.7512ES1BF56C	669	F1	56	1.15	5.20	13.858	115/208-230V	
1	3600	56C	00136ES1BD56C	378	F1	46	1.15	6.30	12.677	115/208-230V	
	1800	56C	00118ES1BD56C	424	F1	52	1.15	7.00	12.677	115/208-230V	
1 1/2	3600	56C	00156ES1BD56C	454	F1	56	1.15	8.50	12.677	115/208-230V	
	1800	56HC	00158ES1BF56C	478	F1	58	1.15	9.00	13.858	115/208-230V	
2	3600	56HC	00236ES1BF56C	537	F1	65	1.15	10.5	13.858	115/208-230V	

- ELECTRICAL FEATURES ON PAGE B-2.
- MECHANICAL FEATURES ON PAGE B-46.



C-FACE – FOOTLESS

HP	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym	Approx. Shipping Weight Lbs.	Service Factor	FL Amps 230V	"C" Dimension	Voltage	Notes
1/3	3600	56C	.3336ES1BB56CFL	288	F1	36	1.15	2.80	11.496	115/208-230V	
	1800	56C	.3318ES1BB56CFL	304	F1	36	1.15	3.00	11.496	115/208-230V	
1/2	3600	56C	.5036ES1BB56CFL	313	F1	40	1.15	3.80	11.496	115/208-230V	
	1800	56C	.5018ES1BB56CFL	333	F1	41	1.15	3.85	11.496	115/208-230V	
	1200	56C	.5012ES1BD56CFL	535	F1	44	1.15	4.90	12.677	115/208-230V	
3/4	3600	56C	.7536ES1BB56CFL	353	F1	41	1.15	5.30	11.496	115/208-230V	
	1800	56C	.7518ES1BB56CFL	370	F1	46	1.15	5.60	11.496	115/208-230V	
	1200	56C	.7512ES1BF56CFL	669	F1	56	1.15	5.20	13.858	115/208-230V	
1	3600	56C	00136ES1BD56CFL	378	F1	46	1.15	6.30	12.677	115/208-230V	
	1800	56C	00118ES1BD56CFL	424	F1	52	1.15	7.00	12.677	115/208-230V	
1 1/2	3600	56C	00156ES1BD56CFL	454	F1	56	1.15	8.50	12.677	115/208-230V	
	1800	56C	00158ES1BF56CFL	478	F1	58	1.15	9.00	13.858	115/208-230V	
2	3600	56C	00236ES1BF56CFL	537	F1	65	1.15	10.5	13.858	115/208-230V	

NOTE: These motors are fitted with a C-Face only for mounting. They are Round Body frames with no mounting feet.

- ELECTRICAL FEATURES ON PAGE B2.
- MECHANICAL FEATURES ON PAGE B-46.



Fractional HP General Purpose

FRACTIONAL
HP

THREE PHASE FOOT MOUNT

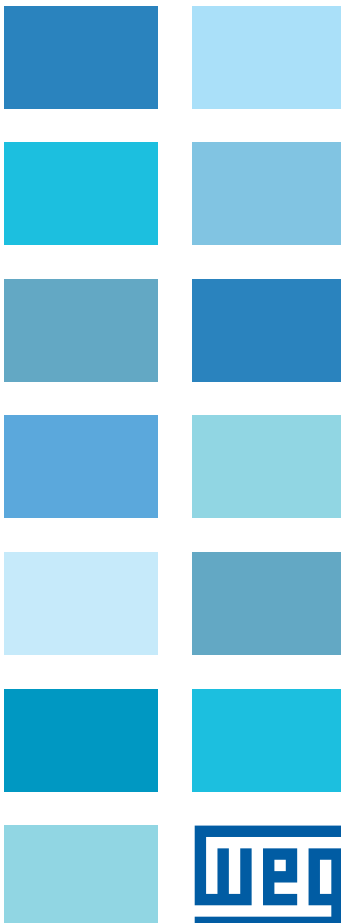
These motors have a wide range of applications. Because of their high starting torque, they are particularly well-suited for heavy starting loads. These motors utilize phase insulation materials and the TEFC motors are suitable for use with a VFD.



ODP



TEFC



APPLICATIONS

- Pumps
- Air Conditioning equipment
- Farm Equipment
- Conveyors
- Business machines
- Gear reducers
- Compressors
- Tools
- Fans and blowers
- Packaging equipment

OPTIONAL FEATURES

- Class 'F' insulation
- Flange mount
- Special voltages
- Specially dimensioned shaft
- Second shaft end
- Stainless steel shaft
- Footless
- Other mounting configurations
- Thermal protection

STANDARD FEATURES

- Three-phase, 2, 4 or 6 pole, 60Hz
- Squirrel cage rotor
- NEMA dimensions
- High starting torque
- Service Factor 1.15 or better
- Ball bearings
- Color: RAL 7022 (Dark Gray)
- Class 'B' insulation (ODP)
- Class 'F' insulation (TEFC)
- Continuous duty, 40°C ambient
- V-ring slinger in both endshields
- Designed to operate in any position
- Class I, Div 2. Groups A, B, C, D & T3 (TEFC only)
- Dual Rated (60/50Hz)
- 5:1 CT/1000:1 VT for TEFC only



FRACTIONAL HP – GENERAL PURPOSE MOTORS

NEMA 56 FRAMES – THREE-PHASE MOTORS



FRACTIONAL
HP

ODP – RIGID BASE

HP	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym	Approx. Shipping Weight Lbs.	Service Factor	FL Amps 460V	"C" Dimension	Voltage	Notes
1/4	3600	56	.25360S3EA56	201	F1B	20	1.35	0.60	58.0	10.315	208-230/460V
	1800	56	.25180S3EA56	204	F1B	21	1.35	0.57	62.0	10.315	208-230/460V
	1200	56	.25120S3EA56	254	F1B	21	1.35	0.80	56.0	10.315	208-230/460V
1/3	3600	56	.33360S3EA56	208	F1B	21	1.35	0.80	59.0	10.315	208-230/460V
	1800	56	.33180S3EA56	221	F1B	22	1.35	0.70	65.0	10.315	208-230/460V
	1200	56	.33120S3EA56	292	F1B	26	1.35	1.00	60.0	10.315	208-230/460V
1/2	3600	56	.50360S3EA56	221	F1B	23	1.25	1.05	61.0	10.315	208-230/460V
	1800	56	.50180S3EA56	253	F1B	24	1.25	1.00	67.0	10.315	208-230/460V
	1200	56	.50120S3EB56	304	F1B	31	1.25	2.30	63.5	11.103	208-230/460V
3/4	3600	56	.75360S3EB56	259	F1B	24	1.25	1.35	66.0	11.103	208-230/460V
	1800	56	.75180S3EB56	282	F1B	26	1.25	1.40	69.0	11.103	208-230/460V
	1200	56	.75120S3ED56	332	F1B	37	1.15	1.50	66.5	12.284	208-230/460V
1	3600	56	001360S3EB56	300	F1B	26	1.25	1.65	69.0	11.103	208-230/460V
	1800	56	001180S3EB56	299	F1B	29	1.15	1.75	71.0	11.103	208-230/460V
	1200	56	001120S3EF56	394	F1B	42	1.15	1.80	70.1	13.465	208-230/460V
1 1/2	3600	56	001560S3ED56	320	F1B	31	1.15	2.37	71.2	12.284	208-230/460V
	1800	56	001580S3ED56	305	F1B	34	1.15	2.50	75.0	12.284	208-230/460V
2	3600	56	002360S3ED56	365	F1B	34	1.15	2.85	75.0	12.284	208-230/460V
	1800	56H	002180S3EF56	324	F1B	36	1.15	3.10	75.0	13.465	208-230/460V
3	3600	56H	003360S3EF56	405	F1B	39	1.15	4.05	77.0	13.465	208-230/460V

- ELECTRICAL FEATURES ON PAGE B-4.
- MECHANICAL FEATURES ON PAGE B-45.



TEFC – RIGID BASE

HP	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym	Approx. Shipping Weight Lbs.	Service Factor	FL Amps 460V	"C" Dimension	Voltage	Notes
1/4	3600	56	.2536ES3EB56	237	F1	31	1.15	0.47	65.4	11.496	208-230/460V
	1800	56	.2518ES3EB56	249	F1	31	1.15	0.59	64.1	11.496	208-230/460V
1/3	3600	56	.3336ES3EB56	249	F1	33	1.15	0.61	73.0	11.496	208-230/460V
	1800	56	.3318ES3EB56	253	F1	33	1.15	0.58	72.0	11.496	208-230/460V
1/2	3600	56	.5036ES3EB56	258	F1	36	1.15	0.81	77.0	11.496	208-230/460V
	1800	56	.5018ES3EB56	287	F1	34	1.15	0.85	74.0	11.496	208-230/460V
	1200	56	.5012ES3EB56	417	F1	36	1.15	1.27	71.0	11.496	208-230/460V
3/4	3600	56	.7536ES3EB56	287	F1	40	1.15	1.09	79.0	11.496	208-230/460V
	1800	56	.7518ES3EB56	311	F1	40	1.15	1.11	77.0	11.496	208-230/460V
	1200	56	.7512ES3ED56	427	F1	40	1.15	1.60	75.2	12.677	208-230/460V
1	3600	56	00136ES3EB56	338	F1	44	1.15	1.44	81.0	11.496	208-230/460V
	1800	56	00118ES3ED56	321	F1	46	1.15	1.47	80.0	12.677	208-230/460V
	1200	56	00112ES3EF56	432	F1	46	1.15	1.92	76.7	12.677	208-230/460V
1 1/2	3600	56	00156ES3EB56	370	F1	48	1.15	1.97	82.5	11.496	208-230/460V
	1800	56	00158ES3ED56	362	F1	52	1.15	2.11	81.0	12.677	208-230/460V
2	3600	56	00236ES3ED56	414	F1	58	1.15	2.67	84.0	12.677	208-230/460V
	1800	56H	00218ES3EF56	392	F1	61	1.15	2.84	82.0	13.858	208-230/460V
3	3600	56H	00336ES3EF56	484	F1	67	1.15	3.80	84.5	13.858	208-230/460V

- ELECTRICAL FEATURES ON PAGE B-4.
- MECHANICAL FEATURES ON PAGE B-46.



Fractional HP General Purpose

FRACTIONAL
HP

THREE PHASE C-FACE

These motors have a wide range of applications. Because of their high starting torque, they are particularly well-suited for heavy starting loads. These motors utilize phase insulation materials and the TEFC motors are suitable for use with a VFD.



ODP



TEFC



APPLICATIONS

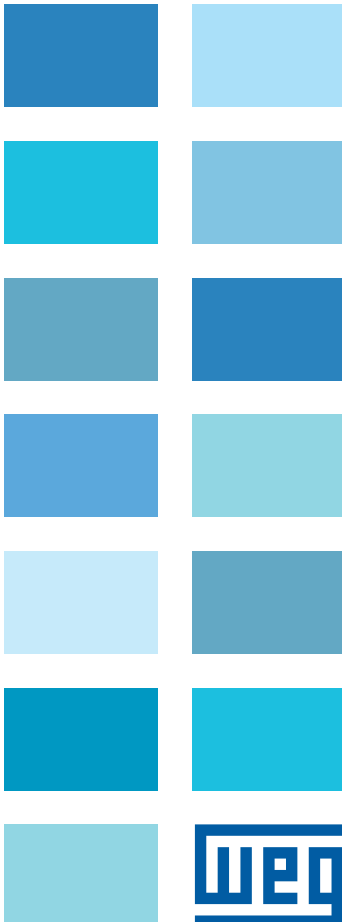
- Pumps
- Air Conditioning equipment
- Farm Equipment
- Conveyors
- Business machines
- Gear reducers
- Compressors
- Tools
- Fans and blowers
- Packaging equipment

STANDARD FEATURES

- Three phase, 2, 4 or 6 pole, 60Hz
- Squirrel cage rotor
- NEMA dimensions
- High starting torque
- Service Factor 1.15 or better
- Ball bearings
- Color: RAL 7022 (Dark Gray)
- Class 'B' insulation (ODP)
- Class 'F' insulation (TEFC)
- Continuous duty, 40°C ambient
- V-ring slinger in both endshields
- Designed to operate in any position
- Class I, Div 2, Groups A, B, C, D & T3 (TEFC only)
- Dual Rated (60/50Hz)
- FC-149 flange

OPTIONAL FEATURES

- Class 'F' insulation
- Flange mount
- Special voltages
- Specially dimensioned shaft
- Second shaft end
- Stainless steel shaft
- Footless
- Other mounting configurations
- FC-95 flange



FRACTIONAL HP – GENERAL PURPOSE MOTORS

ODP – NEMA 56 FRAMES – THREE-PHASE MOTORS



FRACTIONAL
HP

C-FACE – RIGID BASE

HP	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym	Approx. Shipping Weight Lbs.	Service Factor	FL Amps 460V	"C" Dimension	Voltage	Notes
1/4	3600	56C	.25360S3EA56C	222	F1B	20	1.35	0.60	58.0	10.315	208-230/460V
	1800	56C	.25180S3EA56C	225	F1B	21	1.35	0.57	62.0	10.315	208-230/460V
	1200	56C	.25120S3EA56C	275	F1B	23	1.35	0.80	56.0	10.315	208-230/460V
1/3	3600	56C	.33360S3EA56C	231	F1B	21	1.35	0.80	59.0	10.315	208-230/460V
	1800	56C	.33180S3EA56C	242	F1B	22	1.35	0.70	65.0	10.315	208-230/460V
	1200	56C	.33120S3EA56C	315	F1B	26	1.35	1.00	60.0	10.315	208-230/460V
1/2	3600	56C	.50360S3EA56C	242	F1B	23	1.25	1.05	61.0	10.315	208-230/460V
	1800	56C	.50180S3EA56C	274	F1B	24	1.25	1.00	67.0	10.315	208-230/460V
	1200	56C	.50120S3EB56C	328	F1B	31	1.25	1.30	63.5	11.103	208-230/460V
3/4	3600	56C	.75360S3EB56C	283	F1B	24	1.25	1.35	66.0	11.103	208-230/460V
	1800	56C	.75180S3EB56C	303	F1B	26	1.25	1.40	69.0	11.103	208-230/460V
	1200	56C	.75120S3ED56C	354	F1B	37	1.15	1.50	66.5	12.284	208-230/460V
1	3600	56C	001360S3EB56C	321	F1B	26	1.25	1.65	69.0	11.103	208-230/460V
	1800	56C	001180S3EB56C	320	F1B	29	1.15	1.75	71.0	11.103	208-230/460V
	1200	56C	001120S3EF56C	416	F1B	42	1.15	1.80	70.1	13.465	208-230/460V
1 1/2	3600	56C	001560S3ED56C	344	F1B	31	1.15	2.37	71.2	12.284	208-230/460V
	1800	56C	001580S3ED56C	329	F1B	34	1.15	2.50	75.0	12.284	208-230/460V
2	3600	56C	002360S3ED56C	355	F1B	34	1.15	2.85	75.0	12.284	208-230/460V
	1800	56HC	002180S3EF56C	346	F1B	36	1.15	3.10	75.0	13.465	208-230/460V
3	3600	56HC	003360S3EF56C	379	F1B	39	1.15	4.05	77.0	13.465	208-230/460V

- ELECTRICAL FEATURES ON PAGE B-4.
- MECHANICAL FEATURES ON PAGE B-45.



C-FACE – FOOTLESS

HP	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym	Approx. Shipping Weight Lbs.	Service Factor	FL Amps 460V	"C" Dimension	Voltage	Notes
1/3	3600	56C	.33360S3EA56CFL	231	F1B	21	1.35	0.80	59.0	10.315	208-230/460V
	1800	56C	.33180S3EA56CFL	242	F1B	22	1.35	0.70	65.0	10.315	208-230/460V
1/2	3600	56C	.50360S3EA56CFL	242	F1B	23	1.25	1.05	61.0	10.315	208-230/460V
	1800	56C	.50180S3EA56CFL	274	F1B	24	1.25	1.00	67.0	10.315	208-230/460V
	1200	56C	.50120S3EB56CFL	328	F1B	29	1.25	1.30	63.5	11.103	208-230/460V
3/4	3600	56C	.75360S3EB56CFL	283	F1B	24	1.25	1.35	66.0	11.103	208-230/460V
	1800	56C	.75180S3EB56CFL	303	F1B	26	1.25	1.40	69.0	11.103	208-230/460V
	1200	56C	.75120S3EB56CFL	354	F1B	31	1.15	1.50	66.5	11.103	208-230/460V
1	3600	56C	001360S3EB56CFL	301	F1B	26	1.25	1.65	69.0	11.103	208-230/460V
	1800	56C	001180S3EB56CFL	320	F1B	29	1.15	1.75	71.0	11.103	208-230/460V
1 1/2	3600	56C	001560S3ED56CFL	344	F1B	31	1.15	2.37	71.2	12.284	208-230/460V
	1800	56C	001580S3ED56CFL	329	F1B	34	1.15	2.50	75.0	12.284	208-230/460V
2	3600	56C	002360S3ED56CFL	355	F1B	34	1.15	2.85	75.0	12.284	208-230/460V
3	3600	56C	003360S3EF56CFL	379	F1B	39	1.15	4.05	77.0	13.465	208-230/460V

Note: These motors are fitted with a C-Face only for mounting. They are Round Body frames with no mounting feet.

- ELECTRICAL FEATURES ON PAGE B-4.
- MECHANICAL FEATURES ON PAGE B-45.



C-FACE – RIGID BASE

HP	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym	Approx. Shipping Weight Lbs.	Service Factor	FL Amps 460V	"C" Dimension	Voltage	Notes
1/4	3600	56C	.2536ES3EB56C	258	F1	31	1.15	0.47	65.4	11.496	208-230/460V
	1800	56C	.2518ES3EB56C	270	F1	31	1.15	0.59	64.1	11.496	208-230/460V
1/3	3600	56C	.3336ES3EB56C	270	F1	33	1.15	0.61	73.0	11.496	208-230/460V
	1800	56C	.3318ES3EB56C	274	F1	33	1.15	0.58	72.0	11.496	208-230/460V
1/2	3600	56C	.5036ES3EB56C	282	F1	36	1.15	0.81	77.0	11.496	208-230/460V
	1800	56C	.5018ES3EB56C	311	F1	34	1.15	0.85	74.0	11.496	208-230/460V
	1200	56C	.5012ES3EB56C	440	F1	36	1.15	1.27	71.0	11.496	208-230/460V
3/4	3600	56C	.7536ES3EB56C	311	F1	40	1.15	1.09	79.0	11.496	208-230/460V
	1800	56C	.7518ES3EB56C	332	F1	40	1.15	1.11	77.0	11.496	208-230/460V
	1200	56C	.7512ES3ED56C	449	F1	40	1.15	1.60	75.2	11.496	208-230/460V
1	3600	56C	00136ES3EB56C	361	F1	44	1.15	1.44	81.0	11.496	208-230/460V
	1800	56C	00118ES3ED56C	345	F1	46	1.15	1.47	80.0	12.677	208-230/460V
	1200	56C	00112ES3EF56C	454	F1	46	1.15	1.92	76.7	12.677	208-230/460V
1 1/2	3600	56C	00156ES3EB56C	392	F1	48	1.15	1.97	82.5	11.496	208-230/460V
	1800	56C	00158ES3ED56C	384	F1	52	1.15	2.11	81.0	12.677	208-230/460V
2	3600	56C	00236ES3ED56C	437	F1	58	1.15	2.67	84.0	12.677	208-230/460V
	1800	56HC	00218ES3EF56C	414	F1	61	1.15	2.84	82.0	13.858	208-230/460V
3	3600	56HC	00336ES3EF56C	507	F1	67	1.15	3.80	84.5	13.858	208-230/460V

- ELECTRICAL FEATURES ON PAGE B-4.
- MECHANICAL FEATURES ON PAGE B-46.



C-FACE – FOOTLESS

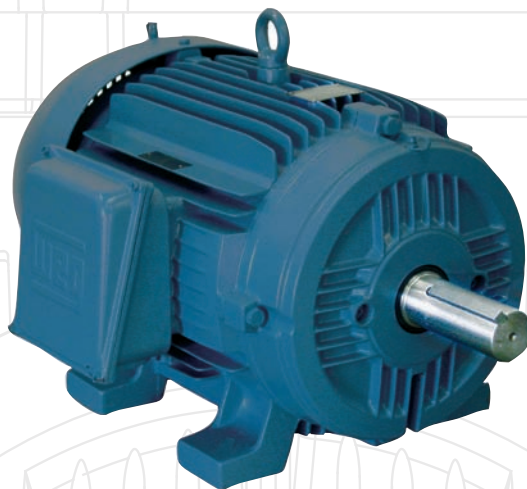
HP	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym	Approx. Shipping Weight Lbs.	Service Factor	FL Amps 460V	"C" Dimension	Voltage	Notes
1/3	3600	56C	.3336ES3EB56CFL	270	F1	33	1.15	0.61	73.0	11.496	208-230/460V
	1800	56C	.3318ES3EB56CFL	274	F1	33	1.15	0.58	72.0	11.496	208-230/460V
1/2	3600	56C	.5036ES3EB56CFL	282	F1	36	1.15	0.81	77.0	11.496	208-230/460V
	1800	56C	.5018ES3EB56CFL	311	F1	34	1.15	0.85	74.0	11.496	208-230/460V
	1200	56C	.5012ES3EB56CFL	440	F1	36	1.15	1.27	71.0	11.496	208-230/460V
3/4	3600	56C	.7536ES3EB56CFL	311	F1	40	1.15	1.09	79.0	11.496	208-230/460V
	1800	56C	.7518ES3EB56CFL	332	F1	40	1.15	1.11	77.0	11.496	208-230/460V
	1200	56C	.7512ES3ED56CFL	449	F1	40	1.15	1.60	75.2	12.677	208-230/460V
1	3600	56C	00136ES3EB56CFL	361	F1	44	1.15	1.44	81.0	11.496	208-230/460V
	1800	56C	00118ES3ED56CFL	345	F1	46	1.15	1.47	80.0	12.677	208-230/460V
	1200	56C	00112ES3EF56CFL	454	F1	46	1.15	1.92	76.7	13.858	208-230/460V
1 1/2	3600	56C	00156ES3EB56CFL	392	F1	48	1.15	1.97	82.5	11.496	208-230/460V
	1800	56C	00158ES3ED56CFL	384	F1	52	1.15	2.11	81.0	12.677	208-230/460V
2	3600	56C	00236ES3ED56CFL	437	F1	58	1.15	2.67	84.0	12.677	208-230/460V
	1800	56C	00218ES3EF56CFL	414	F1	61	1.15	2.84	82.0	13.858	208-230/460V
3	3600	56C	00336ES3EF56CFL	507	F1	67	1.15	3.80	84.5	13.858	208-230/460V

- ELECTRICAL FEATURES ON PAGE B-4.
- MECHANICAL FEATURES ON PAGE B-46.

W21 HIGH EFFICIENCY GENERAL PURPOSE MOTORS



GENERAL
PURPOSE



Can't find what you are looking for? Call 1-800-ASK-4WEG (275-4934)

Data subject to change without notice.

FAN COVER

Made of steel, the fan cover offers superior mechanical rigidity, corrosion resistance and extended lifetime.

BEARINGS

WEG motors are fitted with the highest quality bearings selected among the best manufacturers in the world and designed to ensure long life to the motor even under heavy working conditions

SHAFT

WEG uses SAE/AISI 1040/45 steel as standard, which provides high mechanical resistance, preventing flexing under load and minimizes fatigue which extends lifetime performance. Specially designed to withstand torques caused during motor acceleration and deceleration (brake). Size is larger than standard motor and upon special design, shaft can have second end.

FRAME

Made of cold laminated steel plate with an anti-corrosive treatment.

FAN

WEG has designed fans and fan covers to produce one of the quietest electric motors in the market. Fans are fully efficient cooling ensuring low motor temperature rise, this minimizes winding losses, thus increasing motor efficiency. WEG uses the Finite Element Analysis (FEA) software on its motor parts (endshield, frames, T-boxes). FEA is used to detect irregularities and thermal simulations of mechanical components. This system provides a unified product development environment offering a tight integration across a wide range of design processes ranging from geometry modeling and CAD editing, meshing and pre-processing, advanced analysis (structural, thermal, electromagnetics, etc.) and robust design optimization.

STATOR

Composed of highest quality steel laminations.

ROTOR

Composed of magnetic laminations with low electrical losses. Pure alloy aluminum bars form the cage and are cast under pressure into one piece.

WINDING

The wire are supplied with patented WISE (WEG Insulation System Evolution), which allows three times longer motor lifetime designed to work in environments with excess moisture and are suitable for Variable Frequency Drive application.

DRAIN PLUGS

Provided with plastic drain plug allowing drainage of condensed water.

ENDSHIELDS

Made of cast iron, provided with external fins for better heat dissipation, thus increasing bearing life.

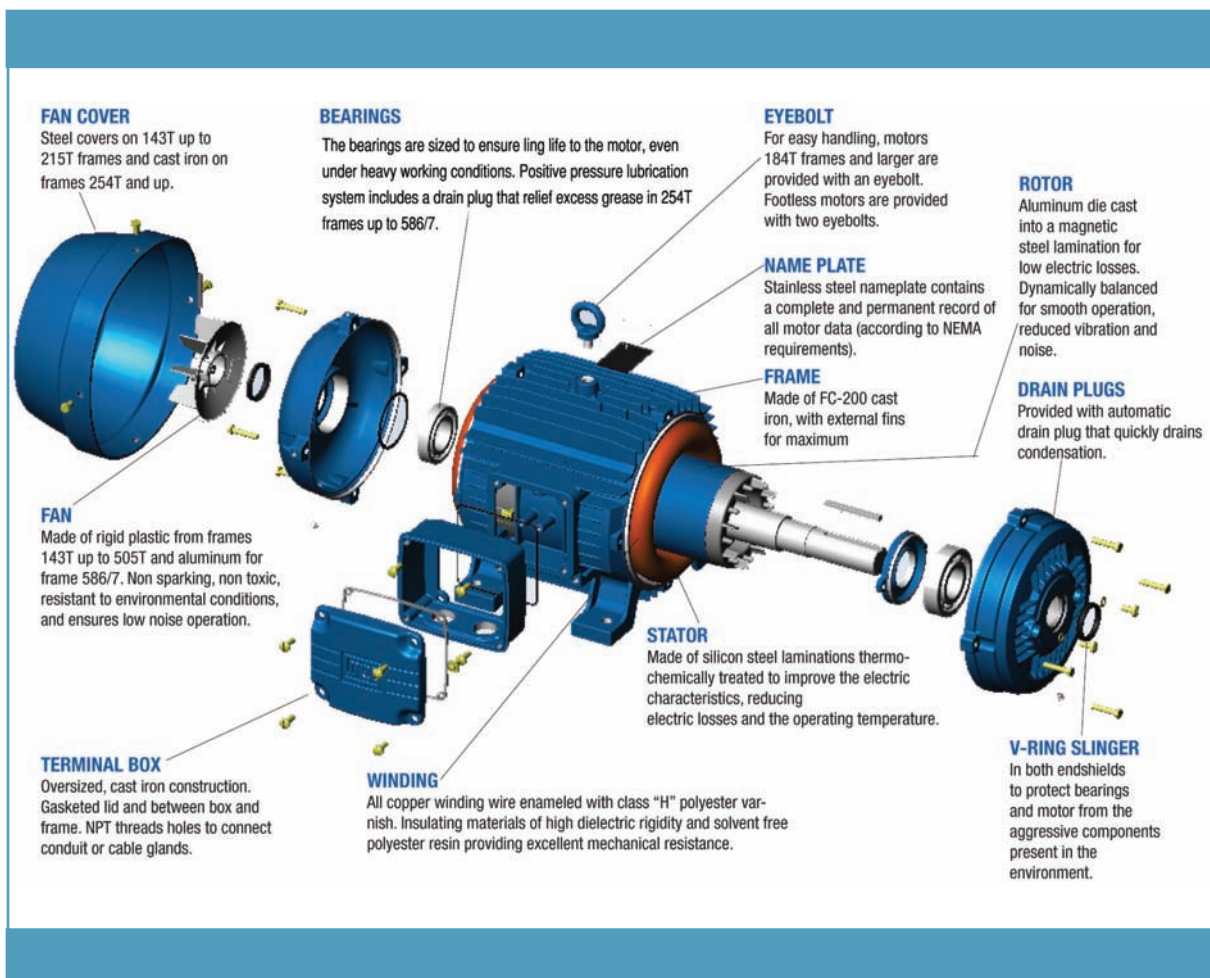
SEALS

WEG motors are fitted with V-ring seals (Oil seals and Lip seals as optional) to provide the best possible protection in dusty and high moisture environments.

W21 HIGH EFFICIENCY GENERAL PURPOSE



GENERAL
PURPOSE





General Purpose W21 High Efficiency

GENERAL
PURPOSE

TEFC – THREE PHASE FOOT & FLANGE MOUNT

WEG's W21™ Severe Duty High Efficiency motors are designed to meet or exceed all EPA requirements for energy efficiency as defined by the DOE. The efficiency values are certified according to the DOE's regulations (Certificate of Compliance number CC029A). W21™ motors meet the most demanding severe duty application requirements. These TEFC motors are all cast iron construction, with enclosures rated IP55 to handle wet and dirty environments.

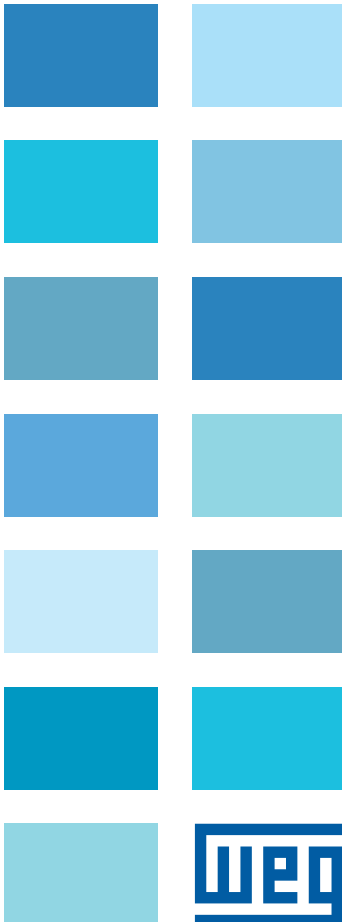
They are painted with WEG's own special system, using synthetic enamel alkyd resin paints, which exceed the ASTM B117 standard for salt spray test. The W21™ line is rated for 1.25 Service Factor up to 100HP. This line is rated for dual frequency and dual voltage (with reduced service factor) up to 60 HP. The entire line is certified Inverter Rated for use with a VFD. This rating meets or exceeds NEMA MG 1 Part 31 NEMA Specifications.



Available in
Frames 143T to 586/7

STANDARD FEATURES – Cast Iron

- Efficiency Certification number CC029A according to US Department of Energy Regulations
- Three-phase, 2, 4, 6 and 8 pole, 60Hz
- Voltage: 208-230/460V, 200V, 460V or 575V
- 50/60Hz rated up to 60HP (Same HP for both frequencies) (For 75HP and up please contact your sales office)
- Totally Enclosed Fan Cooled - TEFC (IP55)
- Squirrel cage rotor / Aluminum die cast
- V-ring slingers on both endshields (586/7 frame equipped with labyrinth taconite seal as standard)
- Ball bearings are supplied as standard (RB part numbers supplied with roller bearings)
- 1045 Carbon Steel Shaft for frames up to 365T.
- 4140 steel shaft for motors 404T and above. (3600 RPM motors supplied with 1045)
- NEMA dimensions
- Class 'F' insulation for all frames
- Class 'H' impregnation resin
- Temperature rise: Class 'B' (80°C)
- NEMA ratings design 'B'
- Most ratings meet Design C Torque*
- Service Factor: 1.25 up to 100HP
1.15 from 125 HP and up
- Continuous duty (S1)
- F1 mounted T-Box (F2 mounted capable)
- Stainless steel nameplate AISI 316 with laser etching
- Paint: Synthetic enamel alkyd resin base (exceeds ASTM B117 salt spray test)
- Color: RAL 5009- Blue (2, 4 and 6 pole) paint plan 201A
- Automatic drain plugs - pressure compensated
- Regreasable bearings, positive pressure lubrication system (frames 254T and up)
- Gasketed conduit box
- Meets NEMA MG Part 31 for use with VFD at 12:1 constant torque speed range. Speed range can be extended with optional Blower Kit
- Class 1, Div 2, Groups A, B, C & D, T3



For standard features (Frame 56), see page A-17.

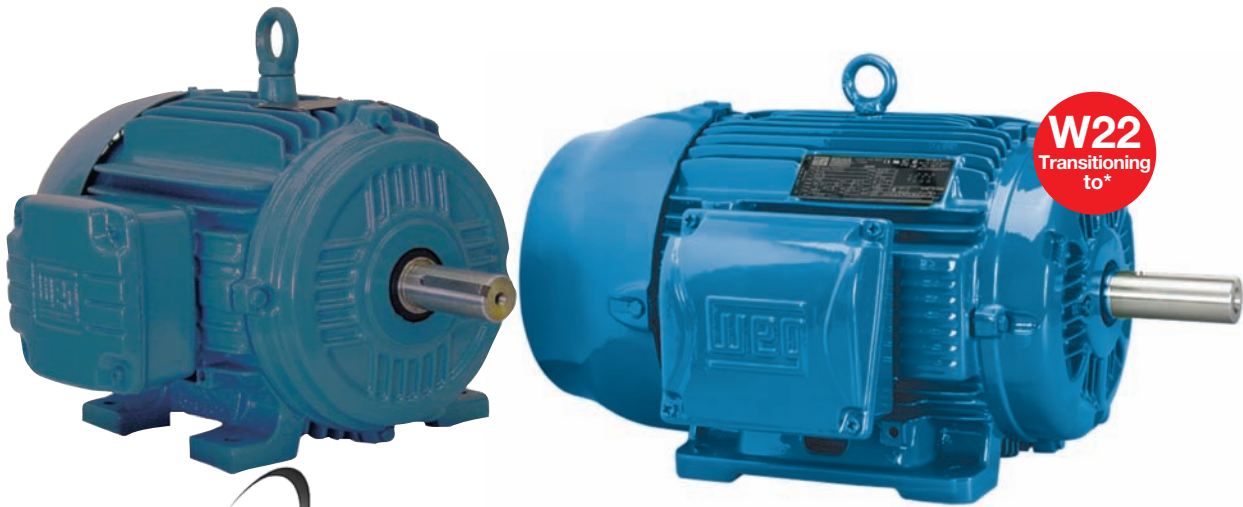
* Design B torque rating on nameplate can be re-plated for Design C for 15-200Hp 1800 and 1200 rpm. All motors are tested according to IEEE 112 std. - method 'B' or C390 CSA. Energy efficiency motors verified by UL in addition to the DOE.



General Purpose W21 High Efficiency



GENERAL
PURPOSE



Available in
Frames 143T to 586/7

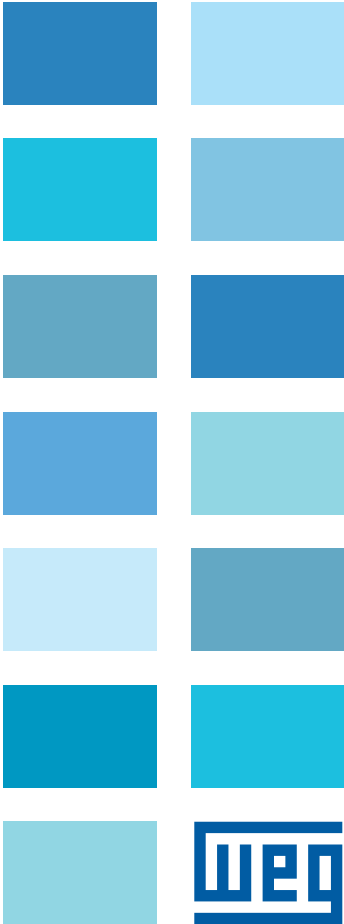
* Valid for 900rpm motors or ratings above 200HP (any rpm). For W22 add the suffix “-W22” to the motor model. For C-dimension, please check page B-96-97

OPTIONAL FEATURES

- Special voltages
- Specially designed shaft
- Space heaters (standard on 586/7 frames)
- Labyrinth taconite seal available for all ratings
- Thermistors, Thermostats or RTD's (PT100)
- Additional terminal box
- Drip cover (canopy) for shaft down applications
- Cable glands
- 'C' and 'D' flanges for all ratings
- Roller bearings on drive end available for all frames
- Special epoxy painting

APPLICATIONS

- Pumps
- Fans
- Crushers
- Conveyors
- Machine tools
- Milling applications
- Centrifugal machines
- Presses
- Elevators
- Looms
- Grinders
- Woodworking
- Cooling
- Packaging equipment
- Other Severe Duty applications



For standard/optional features
for Frame 56 see page A-17



General Purpose Rolled Steel Line TEFC - High Efficiency

GENERAL
PURPOSE



APPLICATIONS

- Pumps
- Compressors
- Fans
- Machine Tools
- Other General Purpose

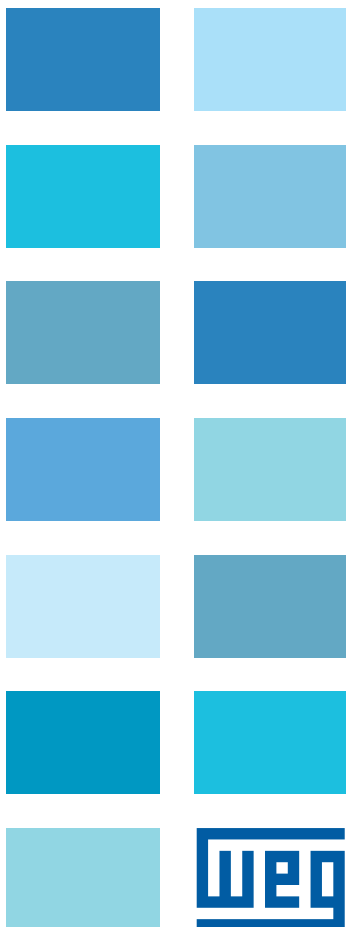
OPTIONAL FEATURES

- Voltage: 575V and others
- Degree of Protection: IP56
- Lip seal, Oil seal
- Class "H" insulation

* More options available upon request

STANDARD FEATURES

- Frames (143/5T up to 254/6T)
- Voltages: 208-230/460V
- Degree of Protection: IP55
- V-ring seal
- Ball bearings (ZZ up to 256T)
- Plastic fan
- Class "F" insulation
- Service factor: 1.15
- Color: Munsell N1 (Black)
- 1-20 Hp
- Meets NEMA MG 1 Part 31 for use with VFD 2:1 CT and 10:1 VT



W21 HIGH EFFICIENCY

GENERAL PURPOSE MOTORS

TEFC – HIGH EFFICIENCY – THREE-PHASE

EPACT CC# CC029A



W22
Transitioning
to

FOOT MOUNT

GENERAL
PURPOSE

HP	RPM	NEMA FRAME	Catalog Number	List Price	Mult. Sym.	Approx. Shipp. Weight Lbs	FL Amps 460V	FL Eff. %	"C" Dimension (in.)	Voltage	Notes
1/4	3600	56	.2536ES3EB56	237	F1	27	0.47	65.4	11.496	208-230/460V	
	1800	56	.2518ES3EB56	249	F1	28	0.59	64.1	11.496	208-230/460V	
1/3	3600	56	.3336ES3EB56	249	F1	29	0.61	73.0	11.496	208-230/460V	
	1800	56	.3318ES3EB56	253	F1	30	0.58	72.0	11.496	208-230/460V	
1/2	3600	56	.5036ES3EB56	258	F1	31	0.81	77.0	11.496	208-230/460V	
	1800	56	.5018ES3EB56	287	F1	32	0.85	74.0	11.496	208-230/460V	
	1200	56	.5012ES3EB56	417	F1	36	1.27	71.0	11.496	208-230/460V	
3/4	3600	56	.7536ES3EB56	287	F1	33	1.09	79.0	11.496	208-230/460V	
	1800	56	.7518ES3EB56	311	F1	35	1.11	77.0	11.496	208-230/460V	
	1200	56	.7512ES3ED56	427	F1	43	1.60	75.2	12.677	208-230/460V	
1	3600	56	00136ES3EB56	338	F1	37	1.44	81.0	11.496	208-230/460V	
	1800	56	00118ES3ED56	321	F1	39	1.47	80.0	12.677	208-230/460V	
	1800	143T	00118EP3ERS143T	358	RS	39	1.47	82.5	14.095	208-230/460V	RS
	1800	143T	00118EP3E143T	411	W1	47	1.49	82.5	12.250	208-230/460V	
	1800	143T	00118EP3H143T	411	W1	47	1.49	82.5	12.250	575V	
	1200	56	00112ES3EF56	432	F1	45	1.92	76.7	12.677	208-230/460V	
	1200	145T	00112EP3ERS145T	440	RS	45	1.70	80.0	14.095	208-230/460V	RS
	1200	145T	00112EP3E145T	505	W1	47	1.70	80.0	13.234	208-230/460V	
	1200	145T	00112EP3H145T	505	W1	47	1.70	80.0	13.234	575V	
	900	182T	00109EP3E182T	799	W1	95	2.31	74.0	14.860	208-230/460V	
1.5	3600	56	00156ES3EB56	370	F1	40	1.97	82.5	11.496	208-230/460V	
	3600	143T	00156EP3ERS143T	375	RS	40	1.99	82.5	14.095	208-230/460V	RS
	3600	143T	00156EP3E143T	431	W1	45	1.99	82.5	12.250	208-230/460V	
	1800	56	00158ES3ED56	362	F1	43	2.11	81.0	12.677	208-230/460V	
	1800	145T	00158EP3ERS145T	363	RS	43	2.05	84.0	14.095	208-230/460V	RS
	1800	145T	00158EP3E145T	417	W1	54	2.05	84.0	13.234	208-230/460V	
	1800	145T	00158EP3H145T	417	W1	54	2.05	84.0	13.234	575V	
	1200	182T	00152EP3ERS182T	547	RS	74	2.37	85.5	16.404	208-230/460V	RS
	1200	182T	00152EP3E182T	628	W1	77	2.38	85.5	14.860	208-230/460V	
	1200	182T	00152EP3H182T	628	W1	77	2.38	85.5	14.860	575V	
2	900	184T	00159EP3E184T	983	W1	110	2.71	77.0	15.860	208-230/460V	
	3600	56	00236ES3ED56	414	F1	44	2.67	84.0	12.677	208-230/460V	
	3600	145T	00236EP3ERS145T	428	RS	44	2.60	84.0	14.095	208-230/460V	RS
	3600	145T	00236EP3E145T	491	W1	47	2.60	84.0	13.234	208-230/460V	
	3600	145T	00236EP3H145T	491	W1	47	2.60	84.0	13.234	575V	
	1800	56	00218ES3EF56	392	F1	50	2.84	82.0	13.858	208-230/460V	
	1800	145T	00218EP3ERS145T	405	RS	50	2.70	84.0	14.095	208-230/460V	RS
	1800	145T	00218EP3E145T	465	W1	56	2.70	84.0	13.234	208-230/460V	
	1800	145T	00218EP3H145T	465	W1	56	2.70	84.0	13.234	575V	
	1200	184T	00212EP3ERS184T	595	RS	91	3.20	86.5	16.404	208-230/460V	RS
	1200	184T	00212EP3E184T	683	W1	88	3.20	86.5	15.860	208-230/460V	
	1200	184T	00212EP3H184T	683	W1	88	3.20	86.5	15.860	575V	
	900	213T	00209EP3E213T	1,480	W1	141	3.46	82.5	18.021	208-230/460V	

• ELECTRICAL FEATURES ON PAGE B-4, B-5, B-6, & B-7.

• MECHANICAL FEATURES ON PAGE B-46...B-49

1.0 Service Factor

NEMA T Rolled Steel Frame Motors - Division 2 not applicable

Roller Bearing

Product might not be available from stock

Apply to all RS Notes

* Valid for 900rpm motors or ratings above 200HP (any rpm). For W22 add the suffix

"-W22" to the motor model. For C-dimension, please check page B-96-97

W21 HIGH EFFICIENCY

GENERAL PURPOSE MOTORS
TEFC – HIGH EFFICIENCY – THREE-PHASE
EPACT CC# CC029A



W22
Transitioning
to

FOOT MOUNT

HP	RPM	NEMA FRAME	Catalog Number	List Price	Mult. Sym.	Approx. Shipp. Weight Lbs	FL Amps 460V	FL Eff. %	"C" Dimension (in.)	Voltage	Notes
3	3600	56	00336ES3EF56	484	F1	49	3.80	84.5	13.858	208-230/460V	
	3600	W182/4T	00336EP3ERS182T	513	RS	61	3.67	85.5	17.719	208-230/460V	RS
	3600	W182T	00336EP3E182T	589	W1	106	3.59	85.5	15.630	208-230/460V	
	3600	W182T	00336EP3H182T	589	W1	106	3.59	85.5	15.630	575V	
	1800	W182/4T	00318EP3ERS182T	459	RS	59	4.15	87.5	17.719	208-230/460V	RS
	1800	W182T	00318EP3E182T	527	W1	97	3.90	87.5	15.630	208-230/460V	
	1800	W182T	00318EP3H182T	527	W1	97	3.90	87.5	15.630	575V	
	1200	213T	00312EP3ERS213T	776	RS	104	4.26	87.5	20.257	208-230/460V	RS
	1200	213T	00312EP3E213T	891	W1	123	4.15	87.5	18.021	208-230/460V	
	1200	213T	00312EP3H213T	891	W1	123	4.15	87.5	18.021	575V	
5	900	215T	00309EP3E215T	1,609	W1	159	4.33	84.0	19.517	208-230/460V	
	3600	W182/4T	00536EP3ERS184T	627	RS	64	6.10	87.5	17.719	208-230/460V	RS
	3600	W184T	00536EP3E184T	720	W1	114	5.90	87.5	15.630	208-230/460V	
	3600	W184T	00536EP3H184T	720	W1	114	5.90	87.5	15.630	575V	
	1800	W182/4T	00518EP3ERS184T	543	RS	68	6.90	87.5	17.719	208-230/460V	RS
	1800	W184T	00518EP3E184T	624	W1	102	6.48	87.5	15.630	208-230/460V	
	1800	W184T	00518EP3H184T	624	W1	102	6.48	87.5	15.630	575V	
	1200	215T	00512EP3ERS215T	997	RS	145	7.08	87.5	20.257	208-230/460V	RS
	1200	215T	00512EP3E215T	1,144	W1	175	6.80	87.5	19.517	208-230/460V	
	1200	215T	00512EP3H215T	1,144	W1	175	6.80	87.5	19.517	575V	
7.5	900	254T	00509EP3E254T	2,703	W1	232	7.99	85.5	23.213	208-230/460V	
	3600	213T	00736EP3ERS213T	856	RS	112	9.00	88.5	20.257	208-230/460V	RS
	3600	213T	00736EP3E213T	983	W1	150	8.66	88.5	18.021	208-230/460V	
	3600	213T	00736EP3H213T	983	W1	150	8.66	88.5	18.021	575V	
	1800	213T	00718EP3ERS213T	719	RS	120	9.64	89.5	20.257	208-230/460V	RS
	1800	213T	00718EP3E213T	826	W1	150	9.53	89.5	18.021	208-230/460V	
	1800	213T	00718EP3H213T	826	W1	150	9.53	89.5	18.021	575V	
	1200	254T	00712EP3ERS254T	1,436	RS	190	9.53	89.5	22.956	208-230/460V	RS
	1200	254T	00712EP3E254T	1,649	W1	262	9.53	89.5	23.213	208-230/460V	
	1200	254T	00712EP3H254T	1,649	W1	262	9.53	89.5	23.213	575V	
10	900	256T	00709EP3E256T	2,856	W1	276	11.2	86.5	24.945	208-230/460V	
	3600	215T	01036EP3ERS215T	997	RS	136	11.8	89.5	20.257	208-230/460V	RS
	3600	215T	01036EP3E215T	1,144	W1	150	11.7	89.5	19.517	208-230/460V	
	3600	215T	01036EP3H215T	1,144	W1	150	11.7	89.5	19.517	575V	
	1800	215T	01018EP3ERS215T	856	RS	134	12.8	89.5	20.257	208-230/460V	RS
	1800	215T	01018EP3E215T	983	W1	165	12.8	90.2	19.517	208-230/460V	
	1800	215T	01018EP3H215T	983	W1	165	12.8	90.2	19.517	575V	
	1200	256T	01012EP3ERS256T	1,653	RS	206	13.4	89.5	22.956	208-230/460V	RS
	1200	256T	01012EP3E256T	1,897	W1	304	13.4	89.5	24.945	208-230/460V	
	1200	256T	01012EP3H256T	1,897	W1	304	13.4	89.5	24.945	575V	
	900	284T	01009EP3E284T	3,786	W1	373	13.6	88.5	26.433	208-230/460V	

- ELECTRICAL FEATURES ON PAGE B-4, B-5, B-6, & B-7.
- MECHANICAL FEATURES ON PAGE B-46...B-49

1.0 Service Factor

RS NEMA T Rolled Steel Frame Motors - Division 2 not applicable

• Roller Bearing

◆ Product might not be available from stock

Apply to all RS Notes

* Valid for 900rpm motors or ratings above 200HP (any rpm). For W22 add the suffix "W22" to the motor model. For C-dimension, please check page B-96-97

W21 HIGH EFFICIENCY – GENERAL PURPOSE MOTORS

TEFC – HIGH EFFICIENCY – THREE-PHASE

EPACT CC# CC029A



GENERAL
PURPOSE

FOOT MOUNT

HP	RPM	NEMA FRAME	Catalog Number	List Price	Mult. Sym.	Approx. Shipp. Weight Lbs	FL Amps 460V	FL Eff. %	"C" Dimension (in.)	Voltage	Notes
15	3600	W254/6T	01536EP3ERS254T	1,428	RS	162	17.0	90.2	21.500	208-230/460V	RS
	3600	254T	01536EP3E254T	1,639	W1	280	17.0	90.2	23.213	208-230/460V	
	3600	254T	01536EP3H254T	1,639	W1	280	17.0	90.2	23.213	575V	
	1800	W254/6T	01518EP3ERS254T	1,302	RS	178	18.5	91.0	21.500	208-230/460V	RS
	1800	254T	01518EP3E254T	1,495	W1	266	17.9	91.0	21.500	208-230/460V	
	1800	254T	01518EP3H254T	1,495	W1	266	17.9	91.0	21.500	575V	
	1200	284T	01512EP3E284T	2,626	W1	346	17.3	91.0	21.500	208-230/460V	
	1200	284T	01512EP3H284T	2,626	W1	346	17.3	91.0	21.500	575V	
20	900	286T	01509EP3E286T	4,291	W1	423	19.0	88.5	21.500	208-230/460V	
	3600	W254/6T	02036EP3ERS256T	1,730	RS	167	23.6	90.2	22.956	208-230/460V	RS
	3600	256T	02036EP3E256T	1,985	W1	313	23.3	90.2	21.500	208-230/460V	
	3600	256T	02036EP3H256T	1,985	W1	313	23.3	90.2	21.500	575V	
	1800	W254/6T	02018EP3ERS256T	1,598	RS	182	24.4	91.0	24.925	208-230/460V	RS
	1800	256T	02018EP3E256T	1,834	W1	313	24.4	91.0	24.945	208-230/460V	
	1800	256T	02018EP3H256T	1,834	W1	313	24.4	91.0	24.945	575V	
	1200	286T	02012EP3E286T	3,301	W1	470	23.5	91.0	27.929	208-230/460V	
25	1200	286T	02012EP3H286T	3,301	W1	470	23.5	91.0	27.929	575V	
	900	324T	02009EP3E324T	5,277	W1	537	28.0	89.5	29.620	208-230/460V	◆
	3600	284TS	02536EP3E284TS	2,368	W1	353	29.0	91.0	25.061	208-230/460V	
	3600	284TS	02536EP3H284TS	2,368	W1	353	29.0	91.0	25.061	575V	
	1800	284TS	02518EP3E284TS	2,195	W1	437	29.6	92.4	25.061	208-230/460V	
	1800	284T	02518EP3E284T	2,195	W1	437	29.6	92.4	26.433	208-230/460V	
	1800	284T	02518EP3H284T	2,195	W1	437	29.6	92.4	26.433	575V	
	1200	324T	02512EP3E324T	3,989	W1	572	29.8	91.7	29.620	208-230/460V	
30	1200	324T	02512EP3H324T	3,989	W1	572	29.8	91.7	29.620	575V	
	900	326T	02509EP3E326T	5,924	W1	616	35.5	89.5	31.116	208-230/460V	◆
	3600	286TS	03036EP3E286TS	2,819	W1	404	33.8	91.0	26.557	208-230/460V	
	3600	286TS	03036EP3H286TS	2,819	W1	404	33.8	91.0	26.557	575V	
	1800	286TS	03018EP3E286TS	2,686	W1	481	34.4	92.4	26.557	208-230/460V	
	1800	286T	03018EP3E286T	2,686	W1	481	34.4	92.4	27.929	208-230/460V	
	1800	286T	03018EP3H286T	2,686	W1	481	34.4	92.4	27.929	575V	
	1200	326T	03012EP3E326T	4,394	W1	625	35.4	91.7	31.116	208-230/460V	
40	1200	326T	03012EP3H326T	4,394	W1	625	35.4	91.7	31.116	575V	
	900	364T	03009EP3E364T	8,446	W1	926	38.4	91.0	33.709	208-230/460V	◆
	3600	324TS	04036EP3E324TS	3,937	W1	561	46.1	91.7	28.120	208-230/460V	
	3600	324TS	04036EP3H324TS	3,937	W1	561	46.1	91.7	28.120	575V	
	1800	324TS	04018EP3E324TS	3,665	W1	587	47.6	93.0	28.120	208-230/460V	
	1800	324T	04018EP3E324T	3,665	W1	587	47.6	93.0	29.620	208-230/460V	
	1800	324T	04018EP3H324T	3,665	W1	587	47.6	93.0	29.620	575V	
	1200	364T	04012EP3E364T	5,935	W1	992	47.1	93.0	33.709	208-230/460V	
	1200	364T	04012EP3H364T	5,935	W1	992	47.1	93.0	33.709	575V	
	900	365T	04009EP3E365T	9,973	W1	998	52.4	91.0	33.709	208-230/460V	◆

• ELECTRICAL FEATURES ON PAGE B-5, B-6, B-7.

• MECHANICAL FEATURES ON PAGE B-47...B-61.

1.0 Service Factor

NEMA T Rolled Steel Frame Motors - Division 2 not applicable

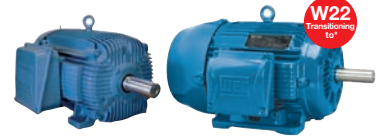
Roller Bearing

Product might not be available from stock

Apply to all Notes

* Valid for 900rpm motors or ratings above 200HP (any rpm). For W22 add the suffix

"-W22" to the motor model. For C-dimension, please check page B-96-97



FOOT MOUNT

HP	RPM	NEMA FRAME	Catalog Number	List Price	Mult. Sym.	Approx. Shipp. Weight Lbs	FL Amps 460V	FL Eff. %	"C" Dimension (in.)	Voltage	Notes
50	3600	326TS	05036EP3E326TS	4,196	W1	594	56.5	92.4	29.616	208-230/460V	
	1800	326TS	05018EP3E326TS	4,087	W1	640	57.8	93.6	29.616	208-230/460V	
	1800	326T	05018EP3E326T	4,087	W1	640	57.8	93.6	31.116	208-230/460V	
	1800	326T	05018EP3H326T	4,087	W1	640	57.8	93.6	31.116	575V	
	1200	365T	05012EP3E365T	7,171	W1	992	58.1	93.0	33.709	208-230/460V	
	900	404T	05009EP3E404T	11,339	W1	1,227	64.9	91.7	38.077	208-230/460V	◆
60	3600	364TS	06036EP3E364TS	6,428	W1	917	69.0	93.0	31.583	208-230/460V	
	1800	364TS	06018EP3E364TS	6,282	W1	963	67.0	93.6	31.583	208-230/460V	
	1800	364T	06018EP3E364T	6,282	W1	963	67.0	93.6	33.709	208-230/460V	
	1800	364T	06018EP3H364T	6,282	W1	963	67.0	93.6	33.709	575V	
	1200	404T	06012EP3E404T	9,024	W1	1,222	70.1	93.6	38.077	208-230/460V	
	900	405T	06009EP3E405T	12,908	W1	1,373	77.0	91.7	38.077	208-230/460V	◆
75	3600	365TS	07536EP3E365TS	7,815	W1	1,025	82.5	93.0	31.583	208-230/460V	
	1800	365TS	07518EP3E365TS	7,508	W1	1,010	82.4	94.1	31.583	208-230/460V	
	1800	365T	07518EP3E365T	7,508	W1	1,010	82.4	94.1	33.709	208-230/460V	
	1800	365T	07518EP3G365T	7,508	W1	1,010	82.4	94.1	33.709	460V	
	1800	365T	07518EP3H365T	7,508	W1	1,010	82.4	94.1	33.709	575V	
	1200	405T	07512EP3E405T	10,048	W1	1,291	86.8	93.6	38.077	208-230/460V	
100	900	444T	07509EP3E444T	16,918	W1	1,558	90.5	93.0	43.773	208-230/460V	◆
	3600	405TS	10036EP3E405TS	9,502	W1	1,361	113	93.6	35.077	208-230/460V	
	3600	405TS	10036EP3G405TS	9,502	W1	1,361	113	93.6	35.077	460V	
	1800	405TS	10018EP3E405TS	9,547	W1	1,273	115	94.5	35.077	208-230/460V	
	1800	405TS	10018EP3G405TS	9,547	W1	1,273	115	94.5	35.077	460V	
	1800	405T	10018EP3E405T	9,547	W1	1,273	115	94.5	38.077	208-230/460V	
	1800	405T	10018EP3ERB405T	9,547	W1	1,273	115	94.5	38.077	208-230/460V	○
	1800	405T	10018EP3G405T	9,547	W1	1,273	115	94.5	38.077	460V	
	1800	405T	10018EP3GRB405T	9,547	W1	1,273	115	94.5	38.077	460V	○
	1800	405T	10018EP3H405T	9,547	W1	1,273	115	94.5	38.077	575V	
	1200	444T	10012EP3E444T	13,027	W1	1,720	121	94.1	43.776	208-230/460V	
	1200	444T	10012EP3G444T	13,027	W1	1,720	121	94.1	43.776	460V	
	1200	444T	10012EP3GRB444T	13,027	W1	1,720	121	94.1	43.776	460V	○
	900	445T	10009EP3G445T	21,909	W1	1,811	123	93.0	43.776	460V	◆
125	3600	444TS	12536EP3G444TS	12,791	W1	1,801	131	94.5	40.026	460V	
	1800	444TS	12518EP3G444TS	12,678	W1	1,647	138	94.5	40.026	460V	
	1800	444T	12518EP3G444T	12,678	W1	1,647	138	94.5	43.776	460V	
	1800	444T	12518EP3GRB444T	12,678	W1	1,647	138	94.5	43.776	460V	○
	1200	445T	12512EP3G445T	15,429	W1	2,050	141	94.1	43.776	460V	
	1200	445T	12512EP3GRB445T	15,429	W1	2,050	141	94.1	43.776	460V	○
	900	504	12509EP3G504	25,246	W1	2,146	148	93.6	43.776	460V	◆
150	3600	445TS	15036EP3G445TS	15,903	W1	1,865	160	94.5	40.026	460V	
	1800	445TS	15018EP3G445TS	14,952	W1	1,841	168	95.0	40.026	460V	
	1800	445T	15018EP3G445T	14,952	W1	1,841	168	95.0	43.776	460V	
	1800	445T	15018EP3GRB445T	14,952	W1	1,841	168	95.0	43.776	460V	○
	1200	447T	15012EP3G447T	18,105	W1	2,167	171	95.0	47.299	460V	
	1200	447T	15012EP3GRB447T	18,105	W1	2,167	171	95.0	47.299	460V	○
	1200	504	15012EP3G504	16,458	W1	2,167	171	95.0	49.449	460V	
	900	505	15009EP3G505	28,688	W1	2,387	178	93.6	49.449	460V	◆

• ELECTRICAL FEATURES ON PAGE B-6, B-7. • MECHANICAL FEATURES ON PAGE B-47.

1.0 Service Factor

RS NEMA T Rolled Steel Frame Motors - Division 2 not applicable

○ Roller Bearing

◆ Product might not be available from stock

Apply to all RS Notes

* Valid for 900rpm motors or ratings above 200HP (any rpm). For W22 add the suffix

"-W22" to the motor model. For C-dimension, please check page B-96-97

W21 HIGH EFFICIENCY – GENERAL PURPOSE MOTORS

TEFC – HIGH EFFICIENCY – THREE-PHASE

EPACT CC# CC029A



GENERAL
PURPOSE

FOOT MOUNT

HP	RPM	NEMA FRAME	Catalog Number	List Price	Mult. Sym.	Approx. Shipp. Weight Lbs	FL Amps 460V	FL Eff. %	"C" Dimension (in.)	Voltage	Notes
200	3600	447TS	20036EP3G447TS	19,635	W1	2,072	223	95.0	43.549	460V	
	1800	445T	20018EP3G445T	18,506	W1	2,117	230	95.0	43.776	460V	
	1800	445T	20018EP3GRB445T	18,506	W1	2,117	230	95.0	43.776	460V	●
	1800	447T	20018EP3G447T	18,506	W1	2,194	230	95.0	47.299	460V	
	1800	447T	20018EP3GRB447T	18,506	W1	2,194	230	95.0	47.299	460V	●
	1800	504	20018EP3G504	18,506	W1	2,194	230	95.0	49.449	460V	
	1800	504	20018EP3GRB504	18,506	W1	2,194	230	95.0	49.449	460V	●
	1200	447T	20012EP3G447T	22,410	W1	2,467	236	95.0	47.299	460V	
	1200	447T	20012EP3GRB447T	22,410	W1	2,467	236	95.0	47.299	460V	●
	1200	505	20012EP3G505	22,410	W1	2,467	236	95.0	49.449	460V	
	900	449T	20009EP3G449T	43,236	W1	4,005	263	94.5	49.449	460V	◆
250	3600	447TS	25036EP3G447TS	21,318	W1	2,266	268	95.4	43.549	460V	
	3600	449TS	25036EP3G449TS-W22	24,878	W1	2,459	270	95.4	52.940	460V	W22
	1800	447T	25018EP3G447T	23,435	W1	2,513	283	95.4	47.299	460V	
	1800	447T	25018EP3GRB447T	23,435	W1	2,513	283	95.4	47.299	460V	●
	1800	449T	25018EP3G449T-W22	25,315	W1	2,333	283	95.4	56.690	460V	W22
	1800	505	25018EP3G505	23,435	W1	2,513	283	95.4	49.449	460V	
	1800	449T	25018EP3GRB449T-W22	25,315	W1	2,333	283	95.4	56.690	460V	●W22
	1800	505	25018EP3GRB505	23,435	W1	2,513	283	95.4	49.449	460V	●
	1200	449T	25012EP3G449T	35,744	W1	3,126	298	95.0	54.976	460V	
	1200	586/7	25012EP3G586/7	38,854	W1	4,002	305	95.0	59.421	460V	
	900	586/7	25009EP3G586/7	49,462	W1	4,457	318	95.0	59.421	460V	◆
300	3600	449TS	30036EP3G449TS	33,348	W1	2,778	320	95.8	51.226	460V	
	3600	586/7S	30036EP3G586/7S	37,896	W1	3,374	325	95.4	48.845	460V	
	1800	449T	30018EP3G449T	29,765	W1	2,816	333	95.4	54.976	460V	
	1800	586/7	30018EP3G586/7	32,352	W1	3,837	329	95.4	59.421	460V	
	1800	449T	30018EP3GRB449T-W22	29,765	W1	2,525	337	95.4	56.690	460V	●W22
	1800	586/7	30018EP3GRB586/7	32,352	W1	3,837	329	95.4	59.421	460V	●
	1200	449T	30012EP3G449T	36,229	W1	3,358	364	95.0	54.976	460V	
	1200	586/7	30012EP3G586/7	39,379	W1	4,487	355	95.0	59.421	460V	
350	3600	449TS	35036EP3G449TS	36,622	W1	3,328	379	95.8	54.976	460V	
	3600	586/7S	35036EP3G586/7S	40,692	W1	3,605	384	95.4	48.845	460V	
	1800	449T	35018EP3G449T	36,337	W1	3,333	394	95.4	54.976	460V	
	1800	586/7	35018EP3G586/7	39,072	W1	4,300	398	95.4	59.421	460V	
	1800	449T	35018EP3GRB449T-W22	36,337	W1	2,794	396	95.8	56.690	460V	●W22
	1800	586/7	35018EP3GRB586/7	39,072	W1	4,300	398	95.4	59.421	460V	●
	1200	586/7	35012EP3G586/7	45,881	W1	4,719	428	95.4	59.421	460V	
400	1800	586/7	40018EP3G586/7	42,828	W1	4,686	459	95.4	59.421	460V	
	1800	586/7	450018EP3GRB586/7	42,828	W1	4,686	459	95.40	59.421	460V	●
	1200	586/7	40012EP3G586/7	46,828	W1	4,961	481	95.40	59.421	460V	
450	1800	586/7	45018EP3G586/7	44,663	W1	5,204	505	95.40	59.421	460V	◆
	1800	586/7	45018EP3GRB586/7	44,663	W1	5,204	505	95.40	59.421	460V	◆●
	1200	586/7	45012EP3G586/7	48,977	W1	5,248	543	95.40	59.421	460V	◆
500	1800	586/7	50018EP3G586/7	47,129	W1	5,424	564	95.80	59.421	460V	
	1800	586/7	50018EP3GRB586/7	47,129	W1	5,424	564	95.80	59.421	460V	●

• ELECTRICAL FEATURES ON PAGE B-7.

• MECHANICAL FEATURES ON PAGE B-47.

1.0 Service Factor

RS NEMA T Rolled Steel Frame Motors - Division 2 not applicable

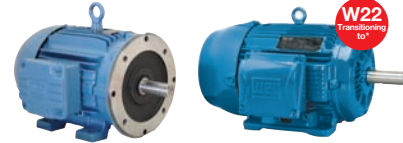
● Roller Bearing

◆ Product might not be available from stock

Apply to all RS Notes

* Valid for 900rpm motors or ratings above 200HP (any rpm). For W22 add the suffix

"-W22" to the motor model. For C-dimension, please check page B-96-97



'C' FLANGE – FOOT MOUNT

HP	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460V	FL. Eff. %	"C" Dimension (in.)	Voltage	NOTES
1/4	3600	56C	.2536ES3EB56C	258	F1	27	0.47	65.4	11.496	208-230/460V	
	1800	56C	.2518ES3EB56C	270	F1	28	0.59	64.1	11.496	208-230/460V	
1/3	3600	56C	.3336ES3EB56C	270	F1	29	0.61	73.0	11.496	208-230/460V	
	1800	56C	.3318ES3EB56C	274	F1	30	0.58	72.0	11.496	208-230/460V	
1/2	3600	56C	.5036ES3EB56C	282	F1	31	0.81	77.0	11.496	208-230/460V	
	1800	56C	.5018ES3EB56C	311	F1	32	0.85	74.0	11.496	208-230/460V	
	1200	56C	.5012ES3EB56C	440	F1	36	1.27	71.0	11.496	208-230/460V	
3/4	3600	56C	.7536ES3EB56C	311	F1	33	1.09	79.0	11.496	208-230/460V	
	1800	56C	.7518ES3EB56C	332	F1	35	1.11	77.0	11.496	208-230/460V	
	1200	56C	.7512ES3EB56C	449	F1	43	1.60	75.2	11.496	208-230/460V	
1	3600	56C	00136ES3EB56C	361	F1	37	1.44	81.0	11.496	208-230/460V	
	1800	56C	00118ES3ED56C	345	F1	39	1.47	80.0	12.677	208-230/460V	
	1800	143TC	00118EP3ERS143TC	383	RS	39	1.47	80.0	14.095	208-230/460V	RS
	1800	143TC	00118EP3E143TC	440	W1	47	1.49	82.5	12.250	208-230/460V	
	1200	56C	00112ES3EF56C	454	F1	45	1.92	76.7	12.677	208-230/460V	
	1200	145TC	00112EP3ERS145TC	465	RS	45	1.70	80.0	14.095	208-230/460V	RS
	1200	145TC	00112EP3E145TC	534	W1	47	1.70	80.0	13.234	208-230/460V	
1.5	3600	56C	00156ES3EB56C	392	F1	40	1.97	82.5	11.496	208-230/460V	
	3600	143TC	00156EP3ERS143TC	399	RS	40	1.99	82.5	14.095	208-230/460V	RS
	3600	143TC	00156EP3E143TC	458	W1	45	1.99	82.5	12.250	208-230/460V	
	1800	56C	00158ES3ED56C	384	F1	43	2.11	81.0	12.677	208-230/460V	
	1800	145TC	00158EP3ERS145TC	388	RS	43	2.05	81.0	14.095	208-230/460V	RS
	1800	145TC	00158EP3E145TC	445	W1	54	2.05	84.0	13.234	208-230/460V	
	1200	182TC	00152EP3ERS182TC	580	RS	74	2.37	85.5	16.404	208-230/460V	RS
2	1200	182TC	00152EP3E182TC	666	W1	77	2.38	85.5	14.860	208-230/460V	
	3600	56C	00236ES3ED56C	437	F1	44	2.67	84.0	12.677	208-230/460V	
	3600	145TC	00236EP3ERS145TC	451	RS	44	2.60	84.0	14.095	208-230/460V	RS
	3600	145TC	00236EP3E145TC	518	W1	47	2.60	84.0	13.234	208-230/460V	
	1800	56C	00218ES3EF56C	414	F1	50	2.84	82.0	13.858	208-230/460V	
	1800	145TC	00218EP3ERS145TC	428	RS	50	2.70	82.0	14.095	208-230/460V	RS
	1800	145TC	00218EP3E145TC	492	W1	56	2.70	84.0	13.234	208-230/460V	
3	1200	184TC	00212EP3ERS184TC	628	RS	91	3.20	86.5	16.404	208-230/460V	RS
	1200	184TC	00212EP3E184TC	721	W1	88	3.20	86.5	15.860	208-230/460V	
	3600	56C	00336ES3EF56C	507	F1	49	3.80	84.5	13.858	208-230/460V	
	3600	W182/4TC	00336EP3ERS182TC	546	RS	61	3.67	85.5	17.719	208-230/460V	RS
	3600	W182TC	00336EP3E182TC	627	W1	106	3.59	85.5	15.630	208-230/460V	
	1800	W182/4TC	00318EP3ERS182TC	492	RS	59	4.15	87.5	17.719	208-230/460V	RS
	1800	W182TC	00318EP3E182TC	565	W1	97	3.90	87.5	15.630	208-230/460V	
5	1200	213TC	00312EP3ERS213TC	822	RS	104	4.26	87.5	20.257	208-230/460V	RS
	1200	213TC	00312EP3E213TC	943	W1	123	4.15	87.5	18.021	208-230/460V	
	3600	W182/4TC	00536EP3ERS184TC	660	RS	64	6.10	87.5	17.719	208-230/460V	RS
	3600	W184TC	00536EP3E184TC	758	W1	114	5.90	87.5	15.630	208-230/460V	
	1800	W182/4TC	00518EP3ERS184TC	577	RS	68	6.90	87.5	17.719	208-230/460V	RS
	1800	W184TC	00518EP3E184TC	662	W1	102	6.48	87.5	15.630	208-230/460V	
	1200	215TC	00512EP3ERS215TC	1,041	RS	145	7.08	87.5	20.257	208-230/460V	RS
7.5	1200	215TC	00512EP3E215TC	1,195	W1	175	6.80	87.5	19.517	208-230/460V	
	3600	213TC	00736EP3ERS213TC	901	RS	112	9.00	88.5	20.257	208-230/460V	RS
	3600	213TC	00736EP3E213TC	1,034	W1	150	8.66	88.5	18.021	208-230/460V	
	1800	213TC	00718EP3ERS213TC	764	RS	120	9.64	89.5	20.257	208-230/460V	RS
	1800	213TC	00718EP3E213TC	877	W1	150	9.53	89.5	18.021	208-230/460V	
	1200	254TC	00712EP3ERS254TC	1,497	RS	190	9.53	89.5	22.956	208-230/460V	RS
	1200	254TC	00712EP3E254TC	1,718	W1	262	9.53	89.5	23.213	208-230/460V	

• ELECTRICAL FEATURES ON PAGE B-4, B-5, & B-6.

• MECHANICAL FEATURES ON PAGE B-46...B-49.

1.0 Service Factor

RS NEMA T Rolled Steel Frame Motors - Division 2 not applicable

● Roller Bearing

◆ Product might not be available from stock

Apply to all RS Notes

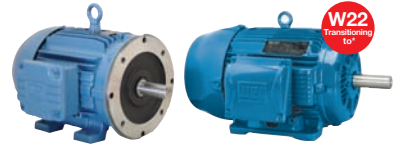
* Valid for 900rpm motors or ratings above 200HP (any rpm). For W22 add the suffix

"-W22" to the motor model. For C-dimension, please check page B-96-97

W21 HIGH EFFICIENCY – GENERAL PURPOSE MOTORS

TEFC – HIGH EFFICIENCY – THREE-PHASE

EPACT CC# CC029A



GENERAL
PURPOSE

'C' FLANGE – FOOT MOUNT

HP	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460V	FL Eff. %	"C" Dimension (in.)	Voltage	NOTES
10	3600	215TC	01036EP3ERS215TC	1,041	RS	136	11.8	89.5	20.257	208-230/460V	RS
	3600	215TC	01036EP3E215TC	1,195	W1	150	11.7	89.5	19.517	208-230/460V	
	1800	215TC	01018EP3ERS215TC	901	RS	134	12.8	89.5	20.257	208-230/460V	RS
	1800	215TC	01018EP3E215TC	1,034	W1	165	12.8	90.2	19.517	208-230/460V	
	1200	256TC	01012EP3ERS256TC	1,713	RS	206	13.4	89.5	22.956	208-230/460V	RS
	1200	256TC	01012EP3E256TC	1,966	W1	304	13.4	89.5	24.945	208-230/460V	
15	3600	W254TC	01536EP3ERS254TC	1,488	RS	162	17.0	90.2	21.500	208-230/460V	RS
	3600	254TC	01536EP3E254TC	1,707	W1	280	17.0	90.2	23.213	208-230/460V	
	1800	W254TC	01518EP3ERS254TC	1,362	RS	178	18.5	91.0	21.500	208-230/460V	RS
	1800	254TC	01518EP3E254TC	1,564	W1	266	17.9	91.0	21.500	208-230/460V	
20	3600	W256TC	02036EP3ERS256TC	1,790	RS	167	23.3	90.2	22.956	208-230/460V	RS
	3600	256TC	02036EP3E256TC	2,054	W1	313	23.3	90.2	21.500	208-230/460V	
	1800	W256TC	02018EP3ERS256TC	1,658	RS	182	24.4	91.0	24.925	208-230/460V	RS
	1800	256TC	02018EP3E256TC	1,903	W1	313	24.4	91.0	24.945	208-230/460V	
25	3600	284TSC	02536EP3E284TSC	2,466	W1	353	29.0	91.0	25.061	208-230/460V	
	1800	284TSC	02518EP3E284TSC	2,294	W1	437	29.6	92.4	25.061	208-230/460V	
	1800	284TC	02518EP3E284TC	2,294	W1	437	29.6	92.4	26.433	208-230/460V	
30	3600	286TSC	03036EP3E286TSC	2,917	W1	404	33.8	91.0	26.557	208-230/460V	
	1800	286TSC	03018EP3E286TSC	2,785	W1	481	34.4	92.4	26.557	208-230/460V	
	1800	286TC	03018EP3E286TC	2,785	W1	481	34.4	92.4	27.929	208-230/460V	
40	1800	324TSC	04018EP3E324TSC	3,786	W1	587	47.6	93.0	28.120	208-230/460V	
	1800	324TC	04018EP3E324TC	3,786	W1	587	47.6	93.0	29.620	208-230/460V	
50	1800	326TSC	05018EP3E326TSC	4,208	W1	640	57.8	93.6	29.616	208-230/460V	
	1800	326TC	05018EP3E326TC	4,208	W1	640	57.8	93.6	31.116	208-230/460V	
60	1800	364TSC	06018EP3E364TSC	6,725	W1	963	67.0	93.6	31.583	208-230/460V	
	1800	364TC	06018EP3E364TC	6,725	W1	963	67.0	93.6	33.709	208-230/460V	
75	1800	365TSC	07518EP3E365TSC	7,951	W1	1010	82.4	94.1	31.583	208-230/460V	
	1800	365TC	07518EP3E365TC	7,951	W1	1010	82.4	94.1	33.709	208-230/460V	
	1800	365TC	07518EP3G365TC	7,951	W1	1010	82.4	94.1	33.709	460V	
100	1800	405TSC	10018EP3E405TSC	10,037	W1	1273	115	94.5	35.077	208-230/460V	
	1800	405TSC	10018EP3G405TSC	10,037	W1	1273	115	94.5	35.077	460V	
	1800	405TC	10018EP3E405TC	10,037	W1	1273	115	94.5	38.077	208-230/460V	
	1800	405TC	10018EP3G405TC	10,037	W1	1273	115	94.5	38.077	460V	
125	1800	444TC	12518EP3G444TC	14,148	W1	1647	138	94.5	43.776	460V	◆
150	1800	445TC	15018EP3G445TC	15,727	W1	1841	168	95.0	43.776	460V	◆
200	1800	447TC	20018EP3G447TC	19,716	W1	2194	230	95.0	47.299	460V	◆
	1800	504C	20018EP3G504C	19,939	W1	2194	230	95.0	49.449	460V	◆
250	1800	447TC	25018EP3G447TC	24,645	W1	2513	238	95.4	47.299	460V	◆
	1800	449TC	25018EP3G449TC-W22	26,065	W1	2333	283	95.4	56.690	460V	◆W22
	1800	505C	25018EP3G505C	24,866	W1	2513	238	95.4	49.449	460V	◆
300	1800	449TC	30018EP3G449TC-W22	30,515	W1	2525	337	95.4	56.690	460V	◆W22
	1800	586/7C	30018EP3G586/7C	35,597	W1	3837	329	95.4	59.421	460V	◆
350	1800	449TC	35018EP3G449TC-W22	37,087	W1	2794	396	95.8	56.690	460V	◆W22
	1800	586/7C	35018EP3G586/7C	42,317	W1	4300	398	95.4	59.421	460V	◆
400	1800	586/7C	40018EP3G586/7C	46,073	W1	4686	459	95.4	59.421	460V	◆
450	1800	586/7C	45018EP3G586/7C	47,909	W1	5204	505	95.4	59.421	460V	◆
500	1800	586/7C	50018EP3G586/7C	50,374	W1	5424	564	95.8	59.421	460V	◆

• ELECTRICAL FEATURES ON PAGE B-5, & B-6.

• MECHANICAL FEATURES ON PAGE B-47...B-49.

1.0 Service Factor

RS NEMA T Rolled Steel Frame Motors - Division 2 not applicable

Roller Bearing

Product might not be available from stock

Apply to all RS Notes

* Valid for 900rpm motors or ratings above 200HP (any rpm). For W22 add the suffix

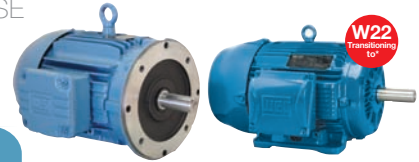
"-W22" to the motor model. For C-dimension, please check page B-96-97



W21 HIGH EFFICIENCY – GENERAL PURPOSE MOTORS

TEFC – HIGH EFFICIENCY – THREE-PHASE

EPACT CC# CC029A



'C' FLANGE – FOOTLESS

HP	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460V	FL Eff. %	"C" Dimension (in.)	Voltage	NOTES
1/3	3600	56C	.3336ES3EB56CFL	270	F1	33	0.61	73.0	11.496	208-230/460V	●
	1800	56C	.3318ES3EB56CFL	274	F1	33	0.58	72.0	11.496	208-230/460V	●
1/2	3600	56C	.5036ES3EB56CFL	282	F1	36	0.81	77.0	11.496	208-230/460V	●
	1800	56C	.5018ES3EB56CFL	311	F1	34	0.85	74.0	11.496	208-230/460V	●
	1200	56C	.5012ES3EB56CFL	440	F1	36	1.27	71.0	11.496	208-230/460V	●
3/4	3600	56C	.7536ES3EB56CFL	311	F1	40	1.09	79.0	11.496	208-230/460V	●
	1800	56C	.7518ES3EB56CFL	332	F1	40	1.11	77.0	11.496	208-230/460V	●
	1200	56C	.7512ES3EB56CFL	449	F1	40	1.60	75.2	11.496	208-230/460V	●
1	3600	56C	00136ES3EB56CFL	361	F1	44	1.44	81.0	11.496	208-230/460V	●
	1800	56C	00118ES3EB56CFL	345	F1	46	1.47	80.0	12.677	208-230/460V	●
	1800	143TC	00118EP3ERSR143TC	403	RS	39	1.47	82.5	14.095	208-230/460V	RS
	1800	143TC	00118EP3ER143TC	440	W1	47	1.49	82.5	12.250	208-230/460V	●
	1200	56C	00112ES3EF56CFL	454	F1	46	1.92	76.7	12.677	208-230/460V	●
	1200	145TC	00112EP3ERSR145TC	489	RS	45	1.70	80.0	14.095	208-230/460V	RS
	1200	145TC	00112EP3ER145TC	534	W1	47	1.70	80.0	13.234	208-230/460V	●
	3600	56C	00156ES3EB56CFL	392	F1	48	1.97	82.5	11.496	208-230/460V	●
1.5	3600	143TC	00156EP3ERSR143TC	420	RS	40	1.99	82.5	14.095	208-230/460V	RS
	3600	143TC	00156EP3ER143TC	458	W1	45	1.99	82.5	12.250	208-230/460V	●
	1800	56C	00158ES3ED56CFL	384	F1	52	2.11	81.0	12.677	208-230/460V	●
	1800	145TC	00158EP3ERSR145TC	408	RS	43	2.05	84.0	14.095	208-230/460V	RS
	1800	145TC	00158EP3ER145TC	445	W1	54	2.05	84.0	13.234	208-230/460V	●
	1200	182TC	00152EP3ERSR182TC	611	RS	74	2.37	85.5	16.404	208-230/460V	RS
	1200	182TC	00152EP3ER182TC	666	W1	77	2.38	85.5	14.860	208-230/460V	●
	3600	56C	00236ES3ED56CFL	437	F1	58	2.67	84.0	12.677	208-230/460V	●
2	3600	145TC	00236EP3ERSR145TC	475	RS	44	2.60	84.0	14.095	208-230/460V	RS
	3600	145TC	00236EP3ER145TC	518	W1	47	2.60	84.0	13.234	208-230/460V	●
	1800	56C	00218ES3EF56CFL	414	F1	61	2.84	82.0	13.858	208-230/460V	●
	1800	145TC	00218EP3ERSR145TC	451	RS	50	2.70	84.0	14.095	208-230/460V	RS
	1800	145TC	00218EP3ER145TC	492	W1	56	2.70	84.0	13.234	208-230/460V	●
	1200	184TC	00212EP3ERSR184TC	661	RS	91	3.20	86.5	16.404	208-230/460V	RS
	1200	184TC	00212EP3ER184TC	721	W1	88	3.20	86.5	15.860	208-230/460V	●
	3600	56C	00336ES3EF56CFL	507	F1	67	3.80	84.5	13.858	208-230/460V	●
3	3600	W182/4TC	00336EP3ERSR182TC	575	RS	61	3.67	85.5	17.719	208-230/460V	RS
	3600	182TC	00336EP3ER182TC	627	W1	106	3.59	85.5	14.860	208-230/460V	●
	1800	W182/4TC	00318EP3ERSR182TC	518	RS	59	4.15	87.5	17.719	208-230/460V	RS
	1800	182TC	00318EP3ER182TC	565	W1	97	3.90	87.5	14.860	208-230/460V	●
	1200	213TC	00312EP3ERSR213TC	865	RS	104	4.26	87.5	20.257	208-230/460V	RS
	1200	213TC	00312EP3ER213TC	943	W1	123	4.15	87.5	18.021	208-230/460V	●
	3600	W182/4TC	00536EP3ERSR184TC	695	RS	64	6.10	87.5	17.719	208-230/460V	RS
	3600	184TC	00536EP3ER184TC	758	W1	114	5.90	87.5	15.860	208-230/460V	●
5	1800	W182/4TC	00518EP3ERSR184TC	607	RS	68	6.90	87.5	17.719	208-230/460V	RS
	1800	184TC	00518EP3ER184TC	662	W1	102	6.48	87.5	15.860	208-230/460V	●
	1200	215TC	00512EP3ERSR215TC	1,096	RS	145	7.08	87.5	20.257	208-230/460V	RS
	1200	215TC	00512EP3ER215TC	1,195	W1	175	6.80	87.5	19.517	208-230/460V	●
	3600	213TC	00736EP3ERSR213TC	948	RS	112	9.00	88.5	20.257	208-230/460V	RS
7.5	3600	213TC	00736EP3ER213TC	1,034	W1	150	8.66	88.5	18.021	208-230/460V	●
	1800	213TC	00718EP3ERSR213TC	804	RS	120	9.64	89.5	20.257	208-230/460V	RS
	1800	213TC	00718EP3ER213TC	877	W1	150	9.53	89.5	18.021	208-230/460V	●
	3600	215TC	01036EP3ERSR215TC	1,096	RS	136	11.8	89.5	20.257	208-230/460V	RS
10	3600	215TC	01036EP3ER215TC	1,195	W1	150	11.7	89.5	19.517	208-230/460V	●
	1800	215TC	01018EP3ERSR215TC	948	RS	134	12.8	89.5	20.257	208-230/460V	RS
	1800	215TC	01018EP3ER215TC	1,034	W1	165	12.8	90.2	19.517	208-230/460V	●
	3600	W254TC	01536EP3ERSR254TC	1,566	RS	162	17.0	90.2	21.500	208-230/460V	RS
15	3600	254TC	01536EP3ER254TC	1,707	W1	280	17.0	90.2	23.213	208-230/460V	●
	1800	W254TC	01518EP3ERSR254TC	1,434	RS	178	18.5	91.0	21.500	208-230/460V	RS
	1800	254TC	01518EP3ER254TC	1,564	W1	266	17.9	91.0	23.213	208-230/460V	●
20	3600	W256TC	02036EP3ERSR256TC	1,884	RS	167	23.3	90.2	22.956	208-230/460V	RS
	3600	256TC	02036EP3ER256TC	2,054	W1	313	23.3	90.2	24.945	208-230/460V	●
	1800	W256TC	02018EP3ERSR256TC	1,745	RS	182	24.4	91.0	24.925	208-230/460V	RS
	1800	256TC	02018EP3ER256TC	1,903	W1	313	24.4	91.0	24.945	208-230/460V	●
25	3600	284TSC	02536EP3ERSR284TSC	2,466	W1	353	29.0	91.0	25.061	208-230/460V	●
	1800	284TC	02518EP3ER284TC	2,294	W1	437	29.6	92.4	26.433	208-230/460V	●
30	3600	286TSC	03036EP3ERSR286TSC	2,917	W1	404	33.8	91.0	26.557	208-230/460V	●
	1800	286TC	03018EP3ER286TC	2,785	W1	481	34.4	92.4	27.929	208-230/460V	●
40	1800	324TC	04018EP3ER324TC	3,786	W1	587	47.6	93.0	29.620	208-230/460V	●
50	1800	326TC	05018EP3ER326TC	4,208	W1	640	57.8	93.6	31.116	208-230/460V	●

• ELECTRICAL FEATURES ON PAGE B-4, B-5, & B-6. • MECHANICAL FEATURES ON PAGE B-46...B-49.

Note: Motors supplied with Drip Cover as a standard feature (T-Frames Only).

RS NEMA T Rolled Steel

- Product might not be available from stock

* Valid for 900rpm motors or ratings above 200HP (any rpm). For W22 add the suffix "W22" to the motor model. For C-dimension, please check page B-96-97

ODP – THREE PHASE FOOT MOUNT & FLANGE MOUNT

High Efficiency motors are designed to meet or exceed all EPAct requirements for energy efficiency as defined by the DOE. The efficiency values are certified according to the DOE's regulations (Certificate of Compliance number CC029A). These Open Drip Proof (ODP) motors are designed for environments where dirt and moisture are minimal and provide maximum ventilation and heat dissipation. Design B torque and high efficiency design from 143T through 444/5T frames.



Cast Iron Model

GENERAL
PURPOSE

APPLICATIONS

- Pumps
- Fans
- Kneader and mixer machines
- Cutter and sawing machines
- Pressing machines
- Industrial equipment
- Conveyors
- Blowers
- Compressors
- Machinery
- Cranes
- Packaging Equipment

STANDARD FEATURES (Frame 143T and up)

- Efficiency Certification number CC029A according to US Department of Energy Regulations
- Three-phase, 2, 4, 6 and 8 pole, 60Hz
- Voltage: 208-230/460V, 200V, 460V or 575V
- 50/60Hz rated up to 250 HP (50Hz at 1.0 Service Factor)
- For 50Hz at 1.15 SF a higher HP should be selected
- Open Drip Proof (ODP)
- NEMA dimensions
- NEMA design 'B' ratings
- Service Factor : 1.15
- Class 'F' insulation for 143T & above
- Class 'B' insulation for 56 Frame
- Class 'H' impregnation resin
- Continuous Duty (S1)
- 104°F (40°C) ambient temperature
- Ball bearings are supplied as standard
- Variable torque speed range is 10:1
- 1045 Carbon Steel Shaft for frames up to 365T.
- 4140 steel shaft for motors 404T and above. (3600 RPM motors supplied with 1045)
- F1 mount (also available flanged motors)
- Paint: Enamel alkyd resin base RAL 5009 blue 2, 4 and 6 pole
- NPT threaded terminal box
- Meets NEMA MG 1 Part 31 for use with VFD - 4:1 constant torque speed range.

HIGHLIGHTS

- Maximum ventilation and heat dissipation
- Meets or exceeds EPACT requirements

SPECIFIC FEATURES

For Frames 143/5T only

- Welded steel plate frames (welded feet)
- Cast iron endshields fixed with through bolt construction
- ZZ bearing (double shielded)
- Degree of protection: IP21

182/4T and 213/5T frames only

- Aluminum endshields and terminal box
- Cooling system with finned rotor
- ZZ Bearing (double shielded)
- Degree of protection : IP21

For Frames 254/6T and up

- Cast iron frames
- Cast iron endshields and terminal box
- Cooling system with finned rotor
- Regreasable bearings positive pressure lubrication system (frame 254T and up)
- Degree of protection: IP23
- Field converterable to F2

OPTIONAL FEATURES

- Special voltages
- Specially designed shaft
- Thermistor, Thermostats or RTD's (PT100)
- Additional terminal box
- Cable glands
- 'C' flanges for all ratings
- D Flanges are available for frames 254T and higher
- Roller bearings on drive end available for all frames
- Special epoxy painting



* Please refer to page A-17 for standard features (frame 56).

* Design B torque rating on nameplate can be re-plated for Design C. All motors are tested according to IEEE 112 std.

- method 'B' or C390 CSA . Energy efficiency motors verified by UL in addition to the DOE.



56 – 215T
Rolled Steel Frame

FOOT MOUNT

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	“C” Dimension (in.)	Voltage	NOTES
1/4	3600	56	.25360S3EA56	201	F1B	20	0.60	58.0	10.315	208-230/460V	
	1800	56	.25180S3EA56	204	F1B	21	0.57	62.0	10.315	208-230/460V	
	1200	56	.25120S3EA56	254	F1B	21	0.80	56.0	10.315	208-230/460V	
1/3	3600	56	.33360S3EA56	208	F1B	21	0.80	59.0	10.315	208-230/460V	
	1800	56	.33180S3EA56	221	F1B	22	0.70	65.0	10.315	208-230/460V	
	1200	56	.33120S3EA56	292	F1B	26	1.00	60.0	10.315	208-230/460V	
1/2	3600	56	.50360S3EA56	221	F1B	23	1.05	61.0	10.315	208-230/460V	
	1800	56	.50180S3EA56	253	F1B	24	1.00	67.0	10.315	208-230/460V	
	1200	56	.50120S3EB56	304	F1B	31	2.30	63.5	11.103	208-230/460V	
3/4	3600	56	.75360S3EB56	259	F1B	24	1.35	66.0	11.103	208-230/460V	
	1800	56	.75180S3EB56	282	F1B	26	1.40	69.0	11.103	208-230/460V	
	1200	56	.75120S3ED56	332	F1B	37	1.50	66.5	12.284	208-230/460V	
1	3600	56	001360S3EB56	300	F1B	26	1.65	69.0	11.103	208-230/460V	
	1800	56	001180S3EB56	299	F1B	29	1.75	71.0	11.103	208-230/460V	
	1800	143T	001180P3E143T	341	W1B	36	1.41	82.5	12.086	208-230/460V	
	1800	143T	001180P3E143TF3	341	W1B	36	1.41	82.5	12.086	208-230/460V	□
	1800	143T	001180P3H143T	341	W1B	36	1.13	82.5	12.086	575V	
	1200	56	001120S3EF56	394	F1B	42	1.80	70.1	13.465	208-230/460V	
	1200	145T	001120P3E145T	423	W1B	40	1.73	80.0	12.086	208-230/460V	
1.5	3600	56	001560S3ED56	320	F1B	31	2.37	71.2	12.284	208-230/460V	
	3600	143T	001560P3E143T	361	W1B	32	1.95	82.5	12.086	208-230/460V	
	3600	143T	001560P3H143T	361	W1B	32	1.56	82.5	12.086	575V	
	1800	56	001580S3ED56	305	F1B	34	2.50	75.0	12.284	208-230/460V	
	1800	145T	001580P3E145T	374	W1B	40	1.98	84.0	12.086	208-230/460V	
	1800	145T	001580P3E145TF3	374	W1B	40	1.98	84.0	12.086	208-230/460V	□
	1800	145T	001580P3H145T	374	W1B	40	1.58	84.0	12.086	575V	
	1200	182T	001520P3E182T	511	W1B	53	2.28	84.0	13.504	208-230/460V	
2	3600	56	002360S3ED56	365	F1B	34	2.85	75.0	12.284	208-230/460V	
	3600	145T	002360P3E145T	405	W1B	43	2.52	84.0	12.086	208-230/460V	
	3600	145T	002360P3H145T	405	W1B	43	2.02	84.0	12.086	575V	
	1800	56	002180S3EF56	324	F1B	36	3.10	75.0	13.465	208-230/460V	
	1800	145T	002180P3E145T	409	W1B	43	2.87	84.0	12.086	208-230/460V	
	1800	145T	002180P3E145TF3	409	W1B	43	2.87	84.0	12.086	208-230/460V	□
	1800	145T	002180P3H145T	409	W1B	43	2.30	84.0	12.086	575V	
	1200	184T	002120P3E184T	519	W1B	69	2.98	85.5	14.291	208-230/460V	
3	3600	56	003360S3EF56	405	F1B	39	4.05	77.0	13.465	208-230/460V	
	3600	145T	003360P3E145T	450	W1B	49	3.65	84.0	12.086	208-230/460V	
	3600	145T	003360P3H145T	450	W1B	49	2.92	84.0	12.086	575V	
	1800	182T	003180P3E182T	416	W1B	56	3.94	86.5	13.504	208-230/460V	
	1800	182T	003180P3E182TF3	416	W1B	56	3.94	86.5	13.504	208-230/460V	□
	1800	182T	003180P3H182T	416	W1B	56	3.15	86.5	13.504	575V	
	1200	213T	003120P3E213T	674	W1B	79	4.56	86.5	17.165	208-230/460V	

• ELECTRICAL FEATURES ON PAGE B-4, B-9, B-9.

• MECHANICAL FEATURES ON PAGE B-45, B-52.

□ = F3 MOUNT

GENERAL PURPOSE MOTORS

ODP THREE-PHASE MOTORS

EPACT CC# CC029A



254T-445T
Cast Iron Frame

FOOT MOUNT

GENERAL
PURPOSE

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	"C" Dimension (in.)	Voltage	NOTES
5	3600	182T	005360P3E182T	540	W1B	57	6.17	85.5	13.504	208-230/460V	
	3600	182T	005360P3H182T	540	W1B	57	4.94	85.5	13.504	575V	
	1800	184T	005180P3E184T	521	W1B	69	6.39	87.5	14.291	208-230/460V	
	1800	184T	005180P3E184TF3	521	W1B	69	6.39	87.5	14.291	208-230/460V	□
	1800	184T	005180P3H184T	521	W1B	69	5.11	87.5	14.291	575V	
	1200	215T	005120P3E215T	919	W1B	109	7.27	87.5	17.165	208-230/460V	
7.5	3600	184T	007360P3E184T	696	W1B	69	8.97	87.5	13.511	208-230/460V	
	3600	184T	007360P3H184T	696	W1B	69	7.18	87.5	13.511	575V	
	1800	213T	007180P3E213T	736	W1B	85	9.40	88.5	17.165	208-230/460V	
	1800	213T	007180P3E213TF3	736	W1B	85	9.40	88.5	17.165	208-230/460V	□
	1800	213T	007180P3H213T	736	W1B	85	7.52	88.5	17.165	575V	
	1200	254T	007120P3E254T	1,276	W1B	258	9.63	88.5	20.669	208-230/460V	
10	3600	213T	010360P3E213T	901	W1B	108	11.8	88.5	17.165	208-230/460V	
	3600	213T	010360P3H213T	901	W1B	108	9.4	88.5	17.165	575V	
	1800	215T	010180P3E215T	899	W1B	109	12.7	89.5	17.165	208-230/460V	
	1800	215T	010180P3E215TF3	899	W1B	109	12.7	89.5	17.165	208-230/460V	□
	1800	215T	010180P3H215T	899	W1B	109	10.2	89.5	17.165	575V	
	1200	256T	010120P3E256T	1,493	W1B	277	12.9	90.2	22.401	208-230/460V	
15	3600	215T	015360P3E215T	1,232	W1B	139	17.1	89.5	17.165	208-230/460V	
	1800	254T	015180P3E254T	1,231	W1B	247	18.7	91.0	20.669	208-230/460V	
	1800	254T	015180P3E254TF3	1,231	W1B	247	18.7	91.0	20.669	208-230/460V	□
	1200	284T	015120P3E284T	2,097	W1B	393	17.6	90.2	23.386	208-230/460V	
20	3600	254T	020360P3E254T	1,469	W1B	205	24.6	90.2	20.669	208-230/460V	
	1800	256T	020180P3E256T	1,526	W1B	277	25.2	91.0	22.401	208-230/460V	
	1800	256T	020180P3E256TF3	1,526	W1B	277	25.2	91.0	22.401	208-230/460V	□
	1200	286T	020120P3E286T	2,571	W1B	428	24.1	91.0	24.882	208-230/460V	
25	3600	256T	025360P3E256T	1,783	W1B	251	29.3	91.0	22.401	208-230/460V	
	1800	284TS	025180P3V284TS	1,799	W1B	311	34.6	91.7	23.386	200/400V	
	1800	284TS	025180P3E284TS	1,799	W1B	311	30.1	91.7	22.000	208-230/460V	
	1800	284T	025180P3E284T	1,799	W1B	311	30.1	91.7	23.386	208-230/460V	
	1800	284T	025180P3E284TF3	1,799	W1B	311	30.1	91.7	23.386	208-230/460V	□
	1200	324T	025120P3E324T	2,982	W1B	495	30.9	91.7	26.181	208-230/460V	
30	3600	284TS	030360P3V284TS	2,033	W1B	373	39.1	92.4	22.000	200/400V	
	3600	284TS	030360P3E284TS	2,033	W1B	373	34.0	92.4	22.000	208-230/460V	
	1800	286TS	030180P3V286TS	2,108	W1B	397	40.9	92.4	24.882	200/400V	
	1800	286TS	030180P3E286TS	2,108	W1B	397	35.6	92.4	23.504	208-230/460V	
	1800	286T	030180P3E286T	2,108	W1B	397	35.6	92.4	24.882	208-230/460V	
	1800	286T	030180P3E286TF3	2,108	W1B	397	35.6	92.4	24.882	208-230/460V	□
40	1200	326T	030120P3E326T	3,297	W1B	605	36.9	92.4	27.667	208-230/460V	
	3600	286TS	040360P3V286TS	2,757	W1B	457	51.5	92.4	23.504	200/400V	
	3600	286TS	040360P3E286TS	2,757	W1B	457	44.8	92.4	23.504	208-230/460V	
	1800	324TS	040180P3V324TS	2,652	W1B	495	55.4	93.0	26.181	200/400V	
	1800	324TS	040180P3E324TS	2,652	W1B	495	48.2	93.0	24.685	208-230/460V	
	1800	324T	040180P3E324T	2,652	W1B	495	48.2	93.0	26.181	208-230/460V	
	1200	364T	040120P3E364T	4,698	W1B	838	48.2	93.0	29.764	208-230/460V	

• ELECTRICAL FEATURES ON PAGE B-8, B-9.

• MECHANICAL FEATURES ON PAGE B-52, B-53.

□ = F3 MOUNT



254T-445T
Cast Iron Frame

FOOT MOUNT

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	"C" Dimension (in.)	Voltage	NOTES
50	3600	324TS	050360P3V324TS	3,184	W1B	523	64.9	93.6	24.685	200/400V	
	3600	324TS	050360P3E324TS	3,184	W1B	523	56.4	93.6	24.685	208-230/460V	
	1800	326TS	050180P3V326TS	3,015	W1B	583	69.2	93.0	27.667	200/400V	
	1800	326TS	050180P3E326TS	3,015	W1B	583	60.2	93.0	26.181	208-230/460V	
	1800	326TS	050180P3G326TS	3,015	W1B	583	60.2	93.0	26.181	460V	
	1800	326T	050180P3E326T	3,015	W1B	583	60.2	93.0	27.667	208-230/460V	
	1800	326T	050180P3G326T	3,015	W1B	583	60.2	93.0	27.667	460V	
	1200	365T	050120P3E365T	5,417	W1B	935	59.4	93.0	29.764	208-230/460V	
60	3600	326TS	060360P3V326TS	4,008	W1B	609	81.2	93.0	26.181	200/400V	
	3600	326TS	060360P3E326TS	4,008	W1B	609	70.6	93.0	26.181	208-230/460V	
	1800	364TS	060180P3V364TS	3,703	W1B	743	80.7	93.6	27.638	200/400V	
	1800	364TS	060180P3E364TS	3,703	W1B	743	70.2	93.6	27.638	208-230/460V	
	1800	364TS	060180P3G364TS	3,703	W1B	743	70.2	93.6	27.638	460V	
	1800	364T	060180P3E364T	3,703	W1B	743	70.2	93.6	29.764	208-230/460V	
	1800	364T	060180P3G364T	3,703	W1B	743	70.2	93.6	29.764	460V	
	1200	404T	060120P3E404T	6,463	W1B	1037	71.0	93.6	34.133	208-230/460V	
75	3600	364TS	075360P3V364TS	5,074	W1B	805	92.7	94.1	27.638	200/400V	
	3600	364TS	075360P3E364TS	5,074	W1B	805	80.6	94.1	27.638	208-230/460V	
	3600	364TS	075360P3G364TS	5,074	W1B	805	80.6	94.1	27.638	460V	
	1800	365TS	075180P3V365TS	4,715	W1B	935	98.1	94.1	27.638	200/400V	
	1800	365TS	075180P3E365TS	4,715	W1B	935	85.3	94.1	27.638	208-230/460V	
	1800	365TS	075180P3G365TS	4,715	W1B	935	85.3	94.1	27.638	460V	
	1800	365T	075180P3E365T	4,715	W1B	935	85.3	94.1	29.764	208-230/460V	
	1800	365T	075180P3G365T	4,715	W1B	935	85.3	94.1	29.764	460V	
100	1200	405T	075120P3E405T	7,224	W1B	1207	87.8	93.6	34.133	208-230/460V	
	3600	365TS	100360P3V365TS	6,152	W1B	935	127	94.1	27.638	200/400V	
	3600	365TS	100360P3E365TS	6,152	W1B	935	110	94.1	27.638	208-230/460V	
	3600	365TS	100360P3G365TS	6,152	W1B	935	110	94.1	27.638	460V	
	1800	404TS	100180P3V404TS	6,065	W1B	1037	132	94.1	31.141	200/400V	
	1800	404TS	100180P3E404TS	6,065	W1B	1037	115	94.1	31.141	208-230/460V	
	1800	404TS	100180P3G404TS	6,065	W1B	1037	115	94.1	31.141	460V	
	1800	404T	100180P3E404T	6,065	W1B	1037	115	94.1	34.133	208-230/460V	
125	1800	404T	100180P3G404T	6,065	W1B	1037	115	94.1	34.133	460V	
	1200	444T	100120P3E444T	10,305	W1B	1662	125	94.1	39.803	208-230/460V	
	1200	444T	100120P3G444T	10,305	W1B	1662	125	94.1	39.803	460V	
	3600	404TS	125360P3G404TS	7,762	W1B	1086	132	94.1	31.141	460V	
	1800	405TS	125180P3G405TS	6,651	W1B	1207	137	94.5	31.141	460V	
	1800	405T	125180P3G405T	6,651	W1B	1207	137	94.5	34.133	460V	
	1200	445T	125120P3G445T	10,836	W1B	1916	150	94.1	39.803	460V	
	3600	405TS	150360P3G405TS	10,042	W1B	1401	159	94.5	31.141	460V	
150	1800	444TS	150180P3G444TS	8,891	W1B	1411	165	95.0	36.062	460V	
	1800	444T	150180P3G444T	8,891	W1B	1411	165	95.0	39.803	460V	
	1200	445T	150120P3G445T	11,538	W1B	2183	183	94.5	39.803	460V	
	3600	444TS	200360P3G444TS	12,782	W1B	1713	217	94.5	36.062	460V	
200	1800	445TS	200180P3G445TS	10,837	W1B	1916	220	95.0	36.062	460V	
	1800	445T	200180P3G445T	10,837	W1B	1916	220	95.0	39.803	460V	

- ELECTRICAL FEATURES ON PAGE B-9.
- MECHANICAL FEATURES ON PAGE B-53.

GENERAL PURPOSE MOTORS

ODP THREE-PHASE MOTORS

EPACT CC# CC029A



GENERAL
PURPOSE

FOOT MOUNT

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	"C" Dimension (in.)	Voltage	NOTES
250	3600	445TS	250360P3G445TS	15,654	W1B	1982	266	95.0	36.062	460V	
	1800	445TS	250180P3G445TS	13,358	W1B	2183	270	95.4	36.062	460V	
	1800	445T	250180P3G445T	13,358	W1B	2183	270	95.4	39.803	460V	
300	3600	445TS	300360P3G445TS	19,556	W1B	2183	316	95.0	36.062	460V	
	1800	447/9T	300180P3G447/9T	19,168	W1B	2145	325	95.4	48.317	460V	
	1200	447/9T	300120P3G447/9T	26,188	W1B	2796	357	95.4	48.317	460V	
350	3600	447/9TS	350360P3G447/9TS	22,346	W1B	1969	377	95.0	44.567	460V	
	1800	447/9T	350180P3G447/9T	22,807	W1B	2465	384	95.4	48.317	460V	
400	3600	447/9TS	400360P3G447/9TS	24,140	W1B	2046	434	95.4	44.567	460V	
	1800	447/9T	400180P3G447/9T	25,570	W1B	2686	443	95.4	48.317	460V	
450	3600	447/9TS	450360P3G447/9TS	26,055	W1B	2223	470	95.8	44.567	460V	
500	3600	447/9TS	500360P3G447/9TS	27,711	W1B	2289	539	95.8	44.567	460V	
600	3600	447/9TS	600360P3G447/9TS	28,951	W1B	2421	633	95.8	44.567	460V	

• ELECTRICAL FEATURES ON PAGE B-9.

• MECHANICAL FEATURES ON PAGE B-53.

◆ = Product may not be available from stock

FOOT MOUNT - 'C' FLANGE

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs	Service Factor	FL Amps 460V	"C" Dimension	Voltage	NOTES
60	1800	364TC	060180P3E364TC	4,095	W1B	743	70.2	93.6	29.764	208-230/460V	◆
75	3600	364TSC	075360P3E364TSC	5,467	W1B	805	80.6	94.1	27.638	208-230/460V	◆
	1800	365TC	075180P3E365TC	5,109	W1B	935	85.3	94.1	29.764	208-230/460V	◆
100	1800	404TC	100180P3E404TC	6,510	W1B	1037	115	94.1	34.133	208-230/460V	◆
125	1800	405TC	125180P3G405TC	7,141	W1B	1207	137	94.5	34.133	460V	◆
150	1800	444TC	150180P3G444TC	9,450	W1B	1411	165	95.0	39.803	460V	◆
200	1800	445TC	200180P3G445TC	11,397	W1B	1916	220	95.0	39.803	460V	◆
250	1800	445TC	250180P3G445TC	13,917	W1B	2183	270	95.4	39.803	460V	◆

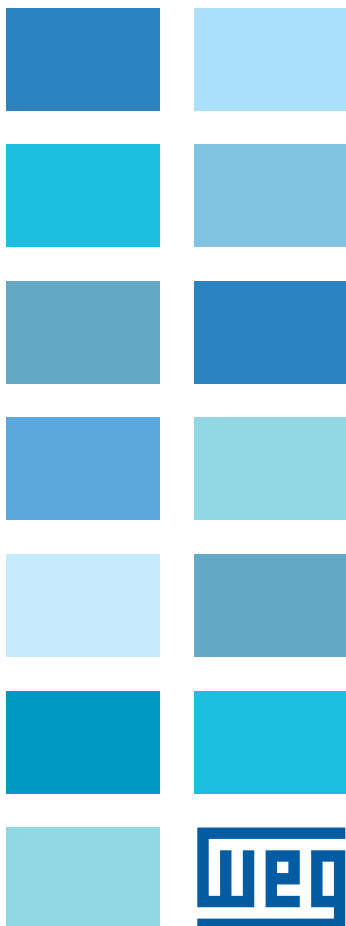
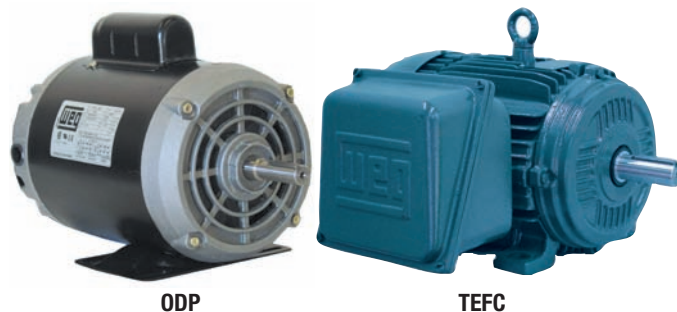
• ELECTRICAL FEATURES ON PAGE B-9.

• MECHANICAL FEATURES ON PAGE B-54.

◆ = Product may not be available from stock

SINGLE PHASE – FOOT MOUNT

Starting capacitors, cast iron frames, rigid base and oversized ball bearings to ensure extended motor life are all standard features. Remember to consider ambient temperatures and that ODP are suitable where dirt and moisture are at minimum. TEFC motors are specifically designed for operating in environments of dirt, dust and excess moisture.



APPLICATIONS

- Pumps
- Fans
- Conveyors
- Blowers
- Air compressors
- Refrigeration equipment
- Industrial equipment
- Milling machines
- Tools
- Farm equipment*
- Aeration equipment
- Other moderate-to-high starting torque applications.

STANDARD FEATURES (Frame 48 & 56)

- Steel frame
- Single-phase, 2, 4 or 6 pole, 60Hz
- Voltage: 115/208-230V
- Squirrel cage rotor
- Start capacitor
- NEMA dimensions
- Class 'B' insulation (130°C)
- High starting torque
- Ball Bearings
- Open drip proof (ODP - IP21)
- Totally enclosed fan cooled (TEFC - IP55)
- Color: RAL 7022 (Dark Gray)

Only for TEFC (IP55) motors:

- Continuous Duty (S1), 40°C ambient
- V-ring slingers on both endshields
- Designed to operate in any position

STANDARD FEATURES

- Single-phase, 2, 4 and 6 pole, 60Hz
- Squirrel cage rotor / Aluminum die cast
- NEMA dimensions
- Ball bearings
- Insulation Class 'F'
- High starting torque
- Continuous Duty (S1)
- 104°F (40°C) ambient temperature
- Altitude: 3300 ft (1000m)
- 1045 carbon steel shaft
- F1 mounting T-Box
- NPT threaded terminal box
- Stainless steel nameplate
- Paint: Enamel alkyd resin base
- Color: RAL 7022 – Dark Gray
- Service factor : 1.15
- Service Factor : 1.25 (ODP only)
- 143/5T steel plate frames
- 182T up to 215T cast iron frames
- Automatic drain plugs
- V-ring slingers on both endshields

OPTIONAL FEATURES

- Special Voltages and frequency
- Stainless steel shaft
- C and D flanges available for all frames
- F2 mount



Note: Motors are tested according to IEEE 112 std. – method 'B' or C390 CSA



ODP – FOOT MOUNT

HP	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Approx. Shipp. Weight	Service Factor	FL Amps 230V	FL Eff. %	“C” Dimension	Voltage	NOTES
1/8	1800	48	.12180S1BB48	201	F1	17	1.40	1.60	48.10	9.409	115/208-230V	
1/6	3600	48	.16360S1BB48	216	F1	17	1.35	1.60	49.90	9.409	115/208-230V	
	1800	48	.16180S1BB48	208	F1	17	1.35	1.90	50.30	9.409	115/208-230V	
	1800	48	.16180S1BSPB48	224	F1	19	1.35	1.90	52.10	9.409	115/208-230V	⚡
	1800	48	.25180S1BSPB48	240	F1	20	1.35	2.40	59.50	9.409	115/208-230V	⚡
1/4	3600	48	.25360S1BB48	220	F1	19	1.35	1.90	54.70	9.409	115/208-230V	
	3600	56	.25360S1B56	220	F1	19	1.35	1.90	58.00	9.764	115/208-230V	
	1800	48	.25180S1BB48	209	F1	19	1.35	2.40	55.90	9.409	115/208-230V	
	1800	48	.25180S1BSPB48	240	F1	20	1.35	2.40	59.50	9.409	115/208-230V	⚡
	1800	56	.25180S1B56	209	F1	19	1.35	2.40	62.00	9.764	115/208-230V	
1/3	3600	48	.33360S1BC48	222	F1	22	1.35	2.60	57.60	10.197	115/208-230V	
	3600	56	.33360S1BC56	222	F1	22	1.35	2.60	57.60	10.551	115/208-230V	
	1800	48	.33180S1BC48	237	F1	22	1.35	3.00	58.20	10.197	115/208-230V	
	1800	48	.33180S1BSPC48	258	F1	22	1.35	3.00	60.00	10.197	115/208-230V	⚡
	1800	56	.33180S1BC56	237	F1	22	1.35	3.00	58.20	10.551	115/208-230V	
1/2	3600	48	.50360S1BC48	237	F1	24	1.25	3.40	64.40	10.197	115/208-230V	
	3600	56	.50360S1BC56	242	F1	24	1.25	3.40	64.40	10.551	115/208-230V	
	1800	48	.50180S1BC48	273	F1	24	1.25	3.90	61.70	10.197	115/208-230V	
	1800	48	.50180S1BSPC48	279	F1	24	1.25	3.90	63.50	10.197	115/208-230V	⚡
	1800	56	.50180S1BC56	264	F1	24	1.25	3.90	61.70	10.551	115/208-230V	
3/4	3600	56	.75360S1BB56	274	F1	32	1.25	5.50	67.20	11.102	115/208-230V	
	1800	56	.75180S1BD56	328	F1	36	1.25	5.50	66.70	12.283	115/208-230V	
1	3600	56	001360S1BD56	296	F1	36	1.25	7.00	66.30	12.283	115/208-230V	
	1800	56	001180S1BD56	355	F1	39	1.15	7.00	71.40	12.283	115/208-230V	
1 1/2	3600	56	001560S1BD56	333	F1	40	1.15	9.00	70.00	12.283	115/208-230V	
	1800	56H	001580S1BF56	438	F1	51	1.15	10.5	71.3	13.464	115/208-230V	
2	3600	56H	002360S1BF56	409	F1	48	1.15	11.0	77.9	13.464	115/208-230V	
	1800	56H	002180S1BG56	522	F1	55	1.15	13.0	71.4	13.858	115/208-230V	
3	3600	56H	003360S1BG56	475	F1	53	1.15	15.00	77.40	13.858	115/208-230V	
	3600	182T	003360S1D182T	606	W1	80	1.25	15.00	78.00	14.448	230V	
	1800	184T	003180S1D184T	691	W1	99	1.25	17.00	72.00	14.875	230V	
5	3600	184T	005360S1D184T	862	W1	109	1.25	21.00	81.50	14.875	230V	
	1800	184T	005180S1C184T	725	W1	109	1.25	21.50	82.50	14.875	208-230V	
	1800	184T	005180S1CCD184T	682	W1	109	1.25	21.50	82.50	14.875	208-230V	C
7.5	3600	184T	007360S1C184T	961	W1	130	1.25	30.00	85.00	14.875	230-460V	CCW
	1800	215T	007180S1F215T	961	W1	130	1.15	30.60	85.00	19.660	230-460V	
	1800	215T	007180S1CCD215T	961	W1	130	1.15	30.60	85.00	19.660	230-460V	C/CCW

- ELECTRICAL FEATURES ON PAGE B-2, B-13.
- MECHANICAL FEATURES ON PAGE B-45, B-58.

⚡ = Split-Phase Motor

c = Compressor Duty

CCW = CCW Rotation Only



TEFC – FOOT MOUNT

HP	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Approx. Shipp. Weight	Service Factor	FL Amps 230V	FL Eff. %	“C” Dimension	Voltage	NOTES
1/4	3600	56	.2536ES1BB56	257	F1	31	1.15	2.50	50.00	11.496	115/208-230V	
	1800	56	.2518ES1BB56	267	F1	33	1.15	2.30	57.70	11.496	115/208-230V	
1/3	3600	56	.3336ES1BB56	267	F1	36	1.15	2.80	53.00	11.496	115/208-230V	
	1800	56	.3318ES1BB56	283	F1	36	1.15	3.00	61.00	11.496	115/208-230V	
1/2	3600	56	.5036ES1BB56	284	F1	40	1.15	3.80	58.00	11.496	115/208-230V	
	1800	56	.5018ES1BB56	312	F1	41	1.15	3.85	66.50	11.496	115/208-230V	
	1200	56	.5012ES1BD56	512	F1	41	1.15	4.90	71.00	12.677	115/208-230V	
3/4	3600	56	.7536ES1BB56	297	F1	41	1.15	5.30	64.00	11.496	115/208-230V	
	1800	56	.7518ES1BB56	348	F1	46	1.15	5.60	68.50	11.496	115/208-230V	
	1200	56	.7512ES1BF56	648	F1	58	1.15	5.20	71.00	13.858	115/208-230V	
1	3600	56	00136ES1BD56	376	F1	46	1.15	6.30	67.00	12.677	115/208-230V	
	1800	56	00118ES1BD56	401	F1	52	1.15	7.00	70.30	12.677	115/208-230V	
	1800	F143T	00118ES1E143T	531	W1	65	1.15	7.00	68.00	14.834	208-230/460V	
1.5	3600	56	00156ES1BD56	432	F1	56	1.15	8.50	70.00	12.677	115/208-230V	
	1800	56	00158ES1BF56	456	F1	58	1.15	9.00	76.50	13.858	115/208-230V	
	1800	G145T	00158ES1E145T	611	W1	73	1.15	9.00	72.00	15.228	208-230/460V	
	1200	182T	00152ES1E182T	1,100	W1	135	1.15	7.70	80.00	17.240	208-230/460V	
2	3600	56	00236ES1BF56	561	F1	65	1.15	10.5	74.00	13.858	115/208-230V	
	3600	G145T	00236ES1E145T	640	W1	73	1.15	10.2	75.00	15.228	208-230/460V	
	1800	G145T	00218ES1E145T	615	W1	75	1.15	10.8	74.00	15.228	208-230/460V	
	1200	W213T	00212ES1E213T	1,209	W1	184	1.15	10.0	80.00	21.000	208-230/460V	
3	3600	G145T	00336ES1E145T	829	W1	79	1.15	13.5	78.80	15.228	208-230/460V	
	3600	182T	00336ES1E182T	879	W1	109	1.15	13.5	78.80	17.240	208-230/460V	
	1800	184T	00318ES1E184T	874	W1	133	1.15	14.0	78.00	17.050	208-230/460V	
	1200	215T	00312ES1E215T	1,327	W1	204	1.15	13.0	82.00	21.000	208-230/460V	
5	3600	184T	00536ES1E184T	1,038	W1	133	1.15	21.0	83.00	17.050	208-230/460V	
	1800	184T	00518ES1E184T	1,064	W1	157	1.15	21.0	79.40	17.050	208-230/460V	
	1800	215TZ	00518ES1E215TZ	1,181	W1	169	1.15	21.0	79.40	19.567	208-230/460V	
	1200	215T	00512ES1E215T	1,588	W1	213	1.15	22.0	83.00	19.500	208-230/460V	
7.5	3600	213T	00736ES1E213T	1,548	W1	167	1.15	31.0	84.00	21.000	208-230/460V	
	1800	215T	00718ES1E215T	1,359	W1	199	1.15	34.0	82.00	19.500	208-230/460V	
	1800	215TZ	00718ES1E215TZ	1,446	W1	199	1.15	34.0	82.00	19.567	208-230/460V	
10	3600	215T	01036ES1E215T	1,916	W1	196	1.15	38.2	88.20	19.500	208-230/460V	
	1800	215T	01018ES1E215T	1,579	W1	223	1.15	40.0	83.00	19.500	208-230/460V	
12.5	1800	215T	01218ES1E215T	1,776	W1	234	1.15	48.0	84.0	19.500	208-230/460	AL

AL - Aluminum Fan

- ELECTRICAL FEATURES ON PAGE B-4, B-13.
- MECHANICAL FEATURES ON PAGE B-46, B-58.



Charles Schuh, Drives Product Manager

“A true solution has to be optimal. Shouldn’t the total cost of owning your equipment be as well?”

WEG offers the optimal motor and drive solution for low and medium voltage applications. For low voltage, the design characteristics of a WEG motor are loaded into the WEG VFD, CFW09 and CFW11. The benefits include cooler operation, longer motor life, and less energy – hence, lower total cost of ownership. For more information on our current motor and drive packages or to locate a U.S. distributor near you, call 1-800-ASK-4WEG or visit www.weg.net/us.

Transforming energy into solutions.
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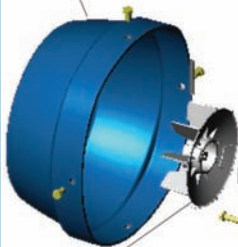




NEMA
Premium®

FAN COVER

Steel covers on 143T up to 215T frames and cast iron on frames 254T and up.



FAN

Made of rigid plastic from frames 143T up to 505T and aluminum for frame 586/7. Non sparking, non toxic, resistant to environmental conditions, and ensures low noise operation.

TERMINAL BOX

Oversized, cast iron construction. Gasketed lid and between box and frame. NPT threads holes to connect conduit or cable glands.

BEARINGS

The bearings are sized to ensure long life to the motor, even under heavy working conditions. Positive pressure lubrication system includes a drain plug that relieves excess grease in 254T frames up to 586/7.



EYEBOLT

For easy handling, motors 184T frames and larger are provided with an eyebolt. Footless motors are provided with two eyebolts.

NAME PLATE

Stainless steel nameplate contains a complete and permanent record of all motor data (according to NEMA requirements).

FRAME

Made of FC-200 cast iron, with external fins for maximum

STATOR

Made of silicon steel laminations thermally treated to improve the electric characteristics, reducing electric losses and the operating temperature.

WINDING

All copper winding wire enameled with class "H" polyester varnish. Insulating materials of high dielectric rigidity and solvent free polyester resin providing excellent mechanical resistance.

ROTOR

Aluminum die cast into a magnetic steel lamination for low electric losses. Dynamically balanced for smooth operation, reduced vibration and noise.

DRAIN PLUGS

Provided with automatic drain plug that quickly drains condensation.



V-RING SLINGER

In both endshields to protect bearings and motor from the aggressive components present in the environment.



TEFC – THREE PHASE – FOOT MOUNT

TEFC motors are built according to NEMA specifications and designed for operation in moist or dusty atmospheric conditions without affecting their useful life. Premium Efficiency WEG motors are tested according to IEEE 112 std., method 'B' and their efficiency values are certified by UL Labs (CSA C390). Motors will meet Design B torques, maintaining exceedingly high breakdown and locked rotor torque while providing the highest rated efficiency levels.



Frames 143T to 586/7

NEMA PREMIUM
EFFICIENCY

APPLICATIONS

- Chemical plants
- Compressors
- Pulp and paper mills
- Crushers
- Refineries
- Pumps
- Steel mills
- Fans
- Cement mills
- Packaging equipment

STANDARD FEATURES

- Service factor: 1.25 up to 100HP
1.15 from 125HP and up
- Continuous duty (S1)
- 104°F (40°C) ambient temperature
- Altitude: 3300 ft (1000m)
- NPT threaded terminal box
- F1 mount
- Stainless steel nameplate AISI 316 with laser etching
- Color: RAL 6002 (Green)
- Automatic drain plugs
- pressure compensated
- Regreasable bearings positive pressure lubrication system (frames 254T and up)
- Gasketed conduit box
- Meets NEMA MG 1 Part 31 for use with VFD - 20:1 constant torque speed range. Speed range can be extended with optional Blower kit.
- Class 1, Div 2, Groups A, B, C & D, T3
- 284T and above with drilled and tapped NDE shaft end for encoder installation

NOTE:

* Design B torque rating on nameplate can be re-plated for Design C for 15-200Hp 1800 and 1200 rpm.
Energy efficiency motors verified by UL in addition to the DOE.



STANDARD FEATURES

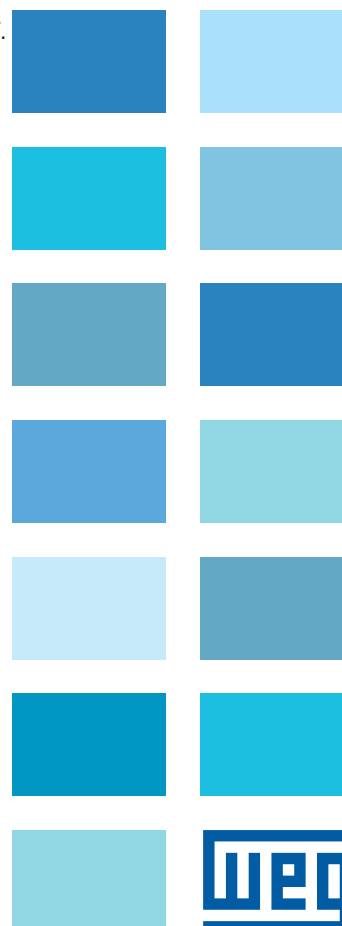
- Three-phase, 2, 4, 6 and 8 pole, 60Hz
- Voltage: 208-230/460V, 200V, 460V or 575V
- 50/60Hz rated up to 250HP (Same HP for both frequencies) (For 300HP and up please contact your sales office)
- Totally Enclosed Fan Cooled – TEFC (IP55)
- Squirrel cage rotor / Aluminum die cast
- V-ring slingers on both endshields (586/7 frame equipped with labyrinth taconite seal as standard)
- Ball bearings are supplied as standard (RB part numbers supplied with roller bearings)
- 1045 Carbon Steel Shaft for frames up to 365T.
- 4140 steel shaft for motors 404T and above. (3600 RPM motors supplied with 1045)
- NEMA dimensions
- Class 'F' insulation for all frames
- Class 'H' impregnation resin
- Temperature rise: Class 'B' (80°C)
- NEMA Design 'B'*
- Most ratings meet Design C Torque

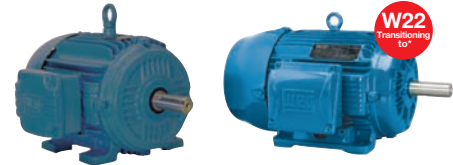
OPTIONAL FEATURES

- Special voltages
- Specially designed shaft
- Space heaters (standard on 586/7 frames)
- Thermistor, Thermostats or RTD's (PT100)
- Additional terminal box
- Drip cover (canopy) for shaft down applications
- Cable glands
- 'C' and 'D' flanges for all ratings
- Roller bearings on drive end available for all frames
- Labyrinth taconite seal available on all ratings



- Meets NEMA Premium Efficiency levels
- High starting torque
- FC-200 reinforced cast iron/severe duty





FOOT MOUNT

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	"C" Dimension (in.)	Voltage	NOTES
1	1800	143T	00118ET3ERS143T	459	RSP	36	1.45	85.5	14.095	208-230/460V	RS
	1800	143T	00118ET3E143T	527	N1	54	1.43	85.5	12.250	208-230/460V	
	1800	143T	00118ET3H143T	527	N1	54	1.43	85.5	12.250	575V	
	1200	145T	00112ET3E145T	608	N1	56	1.73	82.5	13.234	208-230/460V	
	1200	145T	00112ET3H145T	608	N1	56	1.73	82.5	13.234	575V	
1.5	900	182T	00109ET3E182T	1,043	N1	104	2.30	78.5	14.860	208-230/460V	◆
	3600	143T	00156ET3ERS143T	473	RSP	38	1.95	84.0	14.095	208-230/460V	RS
	3600	143T	00156ET3E143T	543	N1	45	1.98	84.0	12.250	208-230/460V	
	3600	143T	00156ET3H143T	544	N1	45	1.98	84.0	12.250	575V	
	1800	145T	00158ET3ERS145T	480	RSP	39	2.25	86.5	14.095	208-230/460V	RS
	1800	145T	00158ET3E145T	551	N1	56	2.00	86.5	13.234	208-230/460V	
	1800	145T	00158ET3H145T	551	N1	56	2.00	86.5	13.234	575V	
	1200	182T	00152ET3ERS182T	656	RSP	74	2.39	87.5	16.404	208-230/460V	RS
	1200	182T	00152ET3E182T	754	N1	79	2.39	87.5	14.860	208-230/460V	
	1200	182T	00152ET3H182T	754	N1	79	2.39	87.5	14.860	575V	
2	900	184T	00159ET3E184T	1,207	N1	120	2.70	82.5	15.860	208-230/460V	◆
	3600	145T	00236ET3ERS145T	514	RSP	42	2.50	85.5	14.095	208-230/460V	RS
	3600	145T	00236ET3E145T	591	N1	52	2.65	85.5	13.234	208-230/460V	
	3600	145T	00236ET3H145T	591	N1	52	2.65	85.5	13.234	575V	
	1800	145T	00218ET3ERS145T	533	RSP	46	2.85	86.5	14.095	208-230/460V	RS
	1800	145T	00218ET3E145T	612	N1	58	2.63	86.5	13.234	208-230/460V	
	1800	145T	00218ET3H145T	612	N1	58	2.63	86.5	13.234	575V	
	1200	184T	00212ET3ERS184T	713	RSP	91	3.22	88.5	16.404	208-230/460V	RS
	1200	184T	00212ET3E184T	819	N1	97	3.23	88.5	15.860	208-230/460V	
	1200	184T	00212ET3H184T	819	N1	97	3.23	88.5	15.860	575V	
3	900	213T	00209ET3E213T	1,848	N1	154	3.44	85.5	18.021	208-230/460V	◆
	3600	182T	00336ET3ERS182T	665	RSP	80	3.68	87.5	16.404	208-230/460V	RS
	3600	182T	00336ET3E182T	763	N1	99	3.68	87.5	14.860	208-230/460V	
	3600	182T	00336ET3H182T	764	N1	99	3.68	87.5	14.860	575V	
	1800	182T	00318ET3ERS182T	577	RSP	74	3.91	89.5	16.404	208-230/460V	RS
	1800	182T	00318ET3E182T	663	N1	99	3.90	89.5	14.860	208-230/460V	
	1800	182T	00318ET3H182T	663	N1	99	3.90	89.5	14.860	575V	
	1200	213T	00312ET3ERS213T	983	RSP	122	4.41	89.5	20.257	208-230/460V	RS
	1200	213T	00312ET3E213T	1,129	N1	134	4.41	89.5	18.021	208-230/460V	
	1200	213T	00312ET3H213T	1,129	N1	134	4.41	89.5	18.021	575V	
5	900	215T	00309ET3E215T	2,115	N1	166	4.33	84.0	19.517	208-230/460V	◆
	3600	184T	00536ET3ERS184T	760	RSP	93	5.96	89.5	16.404	208-230/460V	RS
	3600	184T	00536ET3E184T	873	N1	114	5.76	89.5	15.860	208-230/460V	
	3600	184T	00536ET3H184T	872	N1	114	5.76	89.5	15.860	575V	
	1800	184T	00518ET3ERS184T	672	RSP	92	6.40	89.5	16.404	208-230/460V	RS
	1800	184T	00518ET3E184T	772	N1	108	6.40	89.5	15.860	208-230/460V	
	1800	184T	00518ET3H184T	772	N1	108	6.40	89.5	15.860	575V	
	1200	215T	00512ET3ERS215T	1,160	RSP	146	6.83	89.5	20.257	208-230/460V	RS
	1200	215T	00512ET3E215T	1,332	N1	175	6.83	89.5	19.517	208-230/460V	
	1200	215T	00512ET3H215T	1,332	N1	175	6.83	89.5	19.517	575V	
7.5	900	254T	00509ET3E254T	3,301	N1	244	8.00	86.6	23.213	208-230/460V	◆
	3600	213T	00736ET3ERS213T	980	RSP	125	8.63	91.0	20.257	208-230/460V	RS
	3600	213T	00736ET3E213T	1,125	N1	134	8.63	91.0	18.021	208-230/460V	
	3600	213T	00736ET3H213T	1,125	N1	134	8.63	91.0	18.021	575V	
	1800	213T	00718ET3ERS213T	948	RSP	139	9.29	91.7	20.257	208-230/460V	RS
	1800	213T	00718ET3E213T	1,089	N1	165	9.29	91.7	18.021	208-230/460V	
	1800	213T	00718ET3H213T	1,089	N1	165	9.29	91.7	18.021	575V	
	1200	254T	00712ET3ERS254T	1,799	RSP	237	9.73	91.0	24.925	208-230/460V	RS
	1200	254T	00712ET3E254T	2,065	N1	282	9.73	91.0	23.213	208-230/460V	
	1200	254T	00712ET3H254T	2,065	N1	282	9.73	91.0	23.213	575V	
	900	256T	00709ET3E256T	3,658	N1	302	11.7	86.9	24.945	208-230/460V	◆

• ELECTRICAL FEATURES ON PAGE B-5, B-14.

• MECHANICAL FEATURES ON PAGE B-47...B-49.

RS NEMA T Rolled Steel

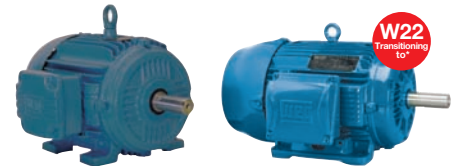
◆ Product might not be available from stock

* Available as W22 by adding "-W22" suffix to the motor model.
For C-dimension, please check page B-96-97

NEMA PREMIUM EFFICIENCY – GENERAL PURPOSE MOTORS

THREE-PHASE – TEFC

MEETS CEE ENERGY SPECIFICATION



FOOT MOUNT

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	"C" Dimension (in.)	Voltage	NOTES
10	3600	215T	01036ET3ERS215T	1,160	RSP	158	11.5	91.7	20.257	208-230/460V	RS
	3600	215T	01036ET3E215T	1,332	N1	173	11.5	91.7	19.517	208-230/460V	
	3600	215T	01036ET3H215T	1,332	N1	173	11.5	91.7	19.517	575V	
	1800	215T	01018ET3ERS215T	1,110	RSP	153	12.7	91.7	20.257	208-230/460V	RS
	1800	215T	01018ET3E215T	1,273	N1	172	12.6	91.7	19.517	208-230/460V	
	1800	215T	01018ET3H215T	1,273	N1	172	12.6	91.7	19.517	575V	
	1200	256T	01012ET3ERS256T	2,088	RSP	260	13.3	91.0	24.925	208-230/460V	RS
	1200	256T	01012ET3E256T	2,396	N1	316	13.3	91.0	24.945	208-230/460V	
	1200	256T	01012ET3H256T	2,396	N1	316	13.3	91.0	24.945	575V	
15	900	284T	01009ET3E284T	4,634	N1	413	13.6	91.0	26.433	208-230/460V	◆
	3600	254T	01536ET3ERS254T	1,589	RSP	214	16.9	91.7	22.956	208-230/460V	RS
	3600	254T	01536ET3E254T	1,824	N1	280	16.9	91.7	23.213	208-230/460V	
	3600	254T	01536ET3H254T	1,824	N1	280	16.9	91.7	23.213	575V	
	1800	254T	01518ET3ERS254T	1,610	RSP	238	18.0	92.4	24.925	208-230/460V	RS
	1800	254T	01518ET3E254T	1,848	N1	291	18.0	92.4	23.213	208-230/460V	
	1800	254T	01518ET3H254T	1,848	N1	291	18.0	92.4	23.213	575V	
	1200	284T	01512ET3E284T	3,291	N1	360	17.3	91.7	26.433	208-230/460V	
	1200	284T	01512ET3H284T	3,291	N1	360	17.3	91.7	26.433	575V	
20	900	286T	01509ET3E286T	5,368	N1	463	19.0	91.0	27.929	208-230/460V	◆
	3600	256T	02036ET3ERS256T	2,076	RSP	237	22.9	92.4	24.925	208-230/460V	RS
	3600	256T	02036ET3E256T	2,382	N1	313	22.9	92.4	24.945	208-230/460V	
	3600	256T	02036ET3H256T	2,383	N1	313	22.9	92.4	24.945	575V	
	1800	256T	02018ET3ERS256T	1,918	RSP	259	24.4	93.0	24.925	208-230/460V	RS
	1800	256T	02018ET3E256T	2,201	N1	324	24.4	93.0	24.945	208-230/460V	
	1800	256T	02018ET3H256T	2,201	N1	324	24.4	93.0	24.945	575V	
	1200	286T	02012ET3E286T	3,962	N1	503	24.1	91.7	27.929	208-230/460V	
	1200	286T	02012ET3H286T	3,962	N1	503	24.1	91.7	27.929	575V	
25	900	324T	02009ET3E324T	6,339	N1	557	27.5	92.4	29.620	208-230/460V	◆
	3600	284TS	02536ET3E284TS	2,998	N1	353	28.4	93.0	25.061	208-230/460V	
	3600	284TS	02536ET3H284TS	2,999	N1	353	28.4	93.0	25.061	575V	
	1800	284T	02518ET3E284T	2,743	N1	481	29.5	93.6	26.433	208-230/460V	
	1800	284T	02518ET3H284T	2,743	N1	481	29.5	93.6	26.433	575V	
	1200	324T	02512ET3E324T	4,737	N1	605	30.5	93.0	29.620	208-230/460V	
	1200	324T	02512ET3H324T	4,737	N1	605	30.5	93.0	29.620	575V	
	900	326T	02509ET3E326T	7,315	N1	632	35.4	92.4	31.116	208-230/460V	◆
	3600	286TS	03036ET3E286TS	3,561	N1	428	33.4	93.0	26.557	208-230/460V	
30	3600	286TS	03036ET3H286TS	3,561	N1	428	33.4	93.0	26.557	575V	
	1800	286T	03018ET3E286T	3,223	N1	525	35.1	93.6	27.929	208-230/460V	
	1800	286T	03018ET3H286T	3,223	N1	525	35.1	93.6	27.929	575V	
	1200	326T	03012ET3E326T	5,273	N1	673	35.8	93.0	31.116	208-230/460V	
	1200	326T	03012ET3H326T	5,273	N1	673	35.8	93.0	31.116	575V	
	900	364T	03009ET3E364T	11,215	N1	992	38.5	93.0	33.709	208-230/460V	◆
40	3600	324TS	04036ET3E324TS	4,725	N1	561	45.8	93.6	28.120	208-230/460V	
	3600	324TS	04036ET3H324TS	4,724	N1	561	45.8	93.6	28.120	575V	
	1800	324T	04018ET3E324T	4,178	N1	640	48.3	94.1	29.620	208-230/460V	
	1800	324T	04018ET3H324T	4,178	N1	640	48.3	94.1	29.620	575V	
	1200	364T	04012ET3E364T	7,284	N1	1076	47.1	94.1	33.709	208-230/460V	
	1200	364T	04012ET3H364T	7,284	N1	1076	47.1	94.1	33.709	575V	
	900	365T	04009ET3E365T	12,194	N1	1063	52.3	93.6	33.709	208-230/460V	◆
50	3600	326TS	05036ET3E326TS	5,316	N1	607	55.5	94.1	29.616	208-230/460V	
	1800	326T	05018ET3E326T	5,100	N1	662	60.6	94.5	31.116	208-230/460V	
	1800	326T	05018ET3H326T	5,100	N1	662	60.6	94.5	31.116	575V	
	1200	365T	05012ET3E365T	8,518	N1	1127	58.0	94.1	33.709	208-230/460V	
	900	404T	05009ET3E404T	17,648	N1	1295	68.0	93.6	38.077	208-230/460V	◆
60	3600	364TS	06036ET3E364TS	7,552	N1	992	68.3	94.1	31.583	208-230/460V	
	1800	364T	06018ET3E364T	7,389	N1	1036	68.4	95.0	33.709	208-230/460V	
	1800	364T	06018ET3G364T	7,389	N1	1036	68.4	95.0	33.709	460V	
	1800	364T	06018ET3H364T	7,389	N1	1036	68.4	95.0	33.709	575V	
	1200	404T	06012ET3E404T	10,497	N1	1346	70.4	94.5	38.077	208-230/460V	
	900	405T	06009ET3E405T	20,443	N1	1463	76.9	93.0	38.077	208-230/460V	◆

• ELECTRICAL FEATURES ON PAGE B-5, B-14, B-15. • MECHANICAL FEATURES ON PAGE B-47...49.

RS NEMA T Rolled Steel

◆ Product might not be available from stock

* Available as W22 by adding "W22" suffix to the motor model.
For C-dimension, please check page B-96-97



NEMA PREMIUM EFFICIENCY – GENERAL PURPOSE MOTORS

THREE-PHASE – TEFC

MEETS CEE ENERGY SPECIFICATION

NEMA
Premium[®]



FOOT MOUNT

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	"C" Dimension (in.)	Voltage	NOTES
75	3600	365TS	07536ET3E365TS	9,091	N1	1025	82.6	95.0	31.583	208-230/460V	
	3600	365TS	07536ET3G365TS	9,091	N1	1025	82.6	95.0	31.583	460V	
	1800	365T	07518ET3E365T	8,705	N1	1047	82.3	95.4	33.709	208-230/460V	
	1800	365T	07518ET3G365T	8,705	N1	1047	82.3	95.4	33.709	460V	
	1800	365T	07518ET3H365T	8,705	N1	1047	82.3	95.4	33.709	575V	
	1200	405T	07512ET3E405T	12,058	N1	1478	87.0	94.5	38.077	208-230/460V	
100	900	444T	07509ET3E444T	23,334	N1	1660	90.0	93.6	43.776	208-230/460V	◆
	3600	405TS	10036ET3E405TS	12,002	N1	1361	111	95.0	35.077	208-230/460V	
	3600	405TS	10036ET3G405TS	12,002	N1	1361	111	95.0	35.077	460V	
	1800	405T	10018ET3E405T	11,689	N1	1302	112	95.4	38.077	208-230/460V	
	1800	405T	10018ET3G405T	11,689	N1	1302	112	95.4	38.077	460V	
	1800	405T	10018ET3H405T	11,689	N1	1302	112	95.4	38.077	575V	
125	1200	444T	10012ET3E444T	15,631	N1	2006	121	95.0	43.776	208-230/460V	
	1200	444T	10012ET3G444T	15,631	N1	2006	121	95.0	43.776	460V	
	900	445T	10009ET3G445T	26,988	N1	1900	122	94.1	43.776	460V	◆
	3600	444TS	12536ET3G444TS	15,350	N1	1794	133	95.0	40.026	460V	
	1800	444T	12518ET3G444T	14,748	N1	1841	138	95.4	43.776	460V	
	1200	445T	12512ET3G445T	17,947	N1	2082	145	95.0	43.776	460V	
150	900	447T	12509ET3G447T	31,797	N1	2242	146	94.5	47.299	460V	◆
	3600	445TS	15036ET3G445TS	18,882	N1	1865	161	95.4	40.026	460V	
	1800	445T	15018ET3G445T	17,420	N1	1940	170	95.8	43.776	460V	
	1200	447T	15012ET3G447T	20,639	N1	2738	174	95.8	47.299	460V	
	1200	504	15012ET3G504	20,639	N1	2738	174	95.8	49.449	460V	◆
	900	447T	15009ET3G447T	36,091	N1	2471	179	94.5	47.299	460V	◆
200	900	449T	15009ET3G449T-W22	30,677	N1	2342	185	94.5	56.690	460V	◆W22
	3600	447TS	20036ET3G447TS	23,562	N1	2072	221	95.8	43.549	460V	
	3600	504S	20036ET3G504S	23,561	N1	2072	221	95.8	43.569	460V	◆
	1800	447T	20018ET3G447T	21,098	N1	2216	230	96.2	47.299	460V	
	1800	504	20018ET3G504	21,098	N1	2216	230	96.2	49.449	460V	◆
	1200	447T	20012ET3G447T	25,133	N1	2467	234	95.8	47.299	460V	
250	1200	449T	20012ET3G449T-W22	25,255	N1	2397	237	95.8	56.690	460V	W22
	1200	505	20012ET3G505	25,133	N1	2467	234	95.8	49.449	460V	◆
	1200	449T	20012ET3GRB449T-W22	25,255	N1	2397	237	95.8	56.690	460V	◆W22
	900	586/7	20009ET3G586/7	58,706	N1	4212	261	95.0	59.421	460V	◆
	900	449T	20009ET3G449T-W22	49,899	N1	2659	254	95.0	56.690	460V	◆W22
	3600	447TS	25036ET3G447TS	29,846	N1	2266	269	95.8	43.549	460V	
300	3600	449TS	25036ET3G449TS-W22	33,173	N1	2459	266	95.8	52.940	460V	W22
	3600	505S	25036ET3G505S	29,845	N1	2266	269	95.8	43.569	460V	◆
	1800	447T	25018ET3G447T	26,716	N1	2414	284	96.2	47.299	460V	
	1800	449T	25018ET3G449T-W22	26,803	N1	2379	281	96.2	56.690	460V	W22
	1800	505	25018ET3G505	26,716	N1	2414	284	96.2	49.449	460V	◆
	1800	449T	25018ET3GRB449T-W22	26,803	N1	2379	281	96.2	56.690	460V	W22
300	1200	449T	25012ET3G449T-W22	35,555	N1	2688	292	95.8	56.690	460V	W22
	1200	586/7	25012ET3G586/7	39,631	N1	4002	303	95.8	59.421	460V	
	1200	449T	25012ET3GRB449T-W22	35,555	N1	2688	292	95.8	56.690	460V	W22
	900	L449T	25009ET3G449T-W22	56,168	N1	3700	308	95.4	57.780	460V	◆W22
	900	586/7	25009ET3G586/7	66,079	N1	4639	316	95.4	59.421	460V	◆
	3600	449TS	30036ET3G449TS-W22	38,269	N1	2695	320	95.8	52.940	460V	W22
300	3600	586/7S	30036ET3G586/7S	45,001	N1	3374	328	95.8	48.845	460V	
	1800	449T	30018ET3G449T-W22	31,384	N1	2531	330	96.2	56.690	460V	W22
	1800	586/7	30018ET3G586/7	36,881	N1	3837	338	96.2	59.421	460V	
	1800	449T	30018ET3GRB449T-W22	31,384	N1	2531	330	96.2	56.690	460V	W22
	1200	449T	30012ET3G449T-W22	38,437	N1	2763	347	95.8	56.690	460V	W22
	1200	586/7	30012ET3G586/7	44,301	N1	4487	351	95.8	59.421	460V	
300	1200	449T	30012ET3GRB449T-W22	38,437	N1	2763	347	95.8	56.690	460V	W22
	900	L449T	30009ET3G449T-W22	70,362	N1	3854	371	95.4	57.780	460V	◆W22
300	900	586/7	30009ET3G586/7	82,778	N1	4873	376	95.4	59.421	460V	◆

• ELECTRICAL FEATURES ON PAGE B-15. • MECHANICAL FEATURES ON PAGE B-47.

RS NEMA T Rolled Steel

◆ Product might not be available from stock

* Available as W22 by adding "-W22" suffix to the motor model.

For C-dimension, please check page B-96-97

NEMA PREMIUM EFFICIENCY – GENERAL PURPOSE MOTORS

THREE-PHASE – TEFC (IP55) MEETS CEE ENERGY SPECIFICATION



FOOT MOUNT

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	"C" Dimension (in.)	Voltage	NOTES
350	3600	449TS	35036ET3G449TS-W22	46,117	N1	2851	377	96.2	52.940	460V	W22
	3600	586/7S	35036ET3G586/7S	54,255	N1	3605	388	95.8	48.845	460V	
	1800	449T	35018ET3G449T-W22	36,517	N1	2825	394	96.2	56.690	460V	W22
	1800	586/7	35018ET3G586/7	42,197	N1	4300	399	96.2	59.421	460V	
	1200	L449T	35012ET3G449T-W22	55,190	N1	3724	404	96.2	57.780	460V	W22
	1200	586/7	35012ET3G586/7	51,108	N1	4723	426	95.8	59.421	460V	
400	900	586/7	35009ET3G586/7	86,909	N1	5028	439	95.4	59.421	460V	◆
	1800	L449T	40018ET3G449T-W22	43,805	N1	3435	455	96.2	57.780	460V	W22
	1800	586/7	40018ET3G586/7	48,823	N1	4686	460	96.2	59.421	460V	
	1200	L449T	40012ET3G449T-W22	52,307	N1	3832	477	96.2	57.780	460V	W22
	1200	586/7	40012ET3G586/7	56,201	N1	4961	491	95.8	59.421	460V	
	1800	L449T	45018ET3G449T-W22	48,010	N1	3546	501	96.2	57.780	460V	◆ W22
450	1800	586/7	45018ET3G586/7	50,916	N1	5204	506	96.2	59.421	460V	◆
	1200	586/7	45012ET3G586/7	62,251	N1	5248	540	95.8	59.421	460V	◆
	1800	L449T	50018ET3G449T-W22	50,594	N1	3612	561	96.2	57.780	460V	W22
500	1800	586/7	50018ET3G586/7	53,727	N1	5424	568	96.2	59.421	460V	

NEMA PREMIUM EFFICIENCY

'C' FLANGE - FOOT MOUNT

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	"C" Dimension (in.)	Voltage	NOTES
1	1800	143TC	00118ET3ERS143TC	484	RSP	36	1.45	85.5	14.095	208-230/460V	RS
	1800	143TC	00118ET3E143TC	555	N1	54	1.43	85.5	12.250	208-230/460V	
	1200	145TC	00112ET3E145TC	636	N1	56	1.73	82.5	13.234	208-230/460V	
1.5	3600	143TC	00156ET3ERS143TC	497	RSP	38	1.95	84.0	14.095	208-230/460V	RS
	3600	143TC	00156ET3E143TC	571	N1	45	1.98	84.0	12.250	208-230/460V	
	1800	145TC	00158ET3ERS145TC	504	RSP	39	2.25	86.5	14.095	208-230/460V	RS
	1800	145TC	00158ET3E145TC	579	N1	56	2.00	86.5	13.234	208-230/460V	
	1200	182TC	00152ET3ERS182TC	690	RSP	74	2.39	87.5	16.404	208-230/460V	RS
	1200	182TC	00152ET3E182TC	792	N1	79	2.39	87.5	14.860	208-230/460V	
2	3600	145TC	00236ET3ERS145TC	539	RSP	42	2.50	85.5	14.095	208-230/460V	RS
	3600	145TC	00236ET3E145TC	619	N1	52	2.65	85.5	13.234	208-230/460V	
	1800	145TC	00218ET3ERS145TC	558	RSP	46	2.85	86.5	14.095	208-230/460V	RS
	1800	145TC	00218ET3E145TC	640	N1	58	2.63	86.5	13.234	208-230/460V	
	1200	184TC	00212ET3ERS184TC	747	RSP	91	3.22	88.5	16.404	208-230/460V	RS
	1200	184TC	00212ET3E184TC	857	N1	97	3.23	88.5	15.860	208-230/460V	
3	3600	182TC	00336ET3ERS182TC	698	RSP	80	3.68	87.5	16.404	208-230/460V	RS
	3600	182TC	00336ET3E182TC	802	N1	99	3.68	87.5	14.860	208-230/460V	
	1800	182TC	00318ET3ERS182TC	610	RSP	74	3.91	89.5	16.404	208-230/460V	RS
	1800	182TC	00318ET3E182TC	700	N1	99	3.90	89.5	14.860	208-230/460V	
	1200	213TC	00312ET3ERS213TC	1,028	RSP	122	4.41	89.5	20.257	208-230/460V	RS
	1200	213TC	00312ET3E213TC	1,180	N1	134	4.41	89.5	18.021	208-230/460V	
5	3600	184TC	00536ET3ERS184TC	793	RSP	93	5.96	89.5	16.404	208-230/460V	RS
	3600	184TC	00536ET3E184TC	911	N1	114	5.76	89.5	15.860	208-230/460V	
	1800	184TC	00518ET3ERS184TC	706	RSP	92	6.40	89.5	16.404	208-230/460V	RS
	1800	184TC	00518ET3E184TC	810	N1	108	6.40	89.5	15.860	208-230/460V	
	1200	215TC	00512ET3ERS215TC	1,206	RSP	146	6.83	89.5	20.257	208-230/460V	RS
	1200	215TC	00512ET3E215TC	1,384	N1	175	6.83	89.5	19.517	208-230/460V	

• ELECTRICAL FEATURES ON PAGE B-15. • MECHANICAL FEATURES ON PAGE B-47...B-50.

RS NEMA T Rolled Steel

◆ Product might not be available from stock

* Available as W22 by adding "-W22" suffix to the motor model.

For C-dimension, please check page B-96-97



‘C’ FLANGE - FOOT MOUNT

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	“C” Dimension (in.)	Voltage	NOTES
7.5	3600	213TC	00736ET3ERS213TC	1,025	RSP	125	8.63	91.0	20.257	208-230/460V	RS
	3600	213TC	00736ET3E213TC	1,177	N1	134	8.63	91.0	18.021	208-230/460V	
	1800	213TC	00718ET3ERS213TC	994	RSP	139	9.29	91.7	20.257	208-230/460V	RS
	1800	213TC	00718ET3E213TC	1,141	N1	165	9.29	91.7	18.021	208-230/460V	
	1200	254TC	00712ET3ERS254TC	1,859	RSP	237	9.73	91.0	24.925	208-230/460V	RS
	1200	254TC	00712ET3E254TC	2,134	N1	282	9.73	91.0	23.213	208-230/460V	
10	3600	215TC	01036ET3ERS215TC	1,205	RSP	158	11.5	91.7	20.257	208-230/460V	RS
	3600	215TC	01036ET3E215TC	1,383	N1	173	11.5	91.7	19.517	208-230/460V	
	1800	215TC	01018ET3ERS215TC	1,154	RSP	153	12.7	91.7	20.257	208-230/460V	RS
	1800	215TC	01018ET3E215TC	1,325	N1	172	12.6	91.7	19.517	208-230/460V	
	1200	256TC	01012ET3ERS256TC	2,148	RSP	260	13.3	91.0	24.925	208-230/460V	RS
	1200	256TC	01012ET3E256TC	2,465	N1	316	13.3	91.0	24.945	208-230/460V	
15	3600	254TC	01536ET3ERS254TC	1,649	RSP	214	16.9	91.7	22.956	208-230/460V	RS
	3600	254TC	01536ET3E254TC	1,893	N1	280	16.9	91.7	23.213	208-230/460V	
	1800	254TC	01518ET3ERS254TC	1,670	RSP	238	18.0	92.4	24.925	208-230/460V	RS
	1800	254TC	01518ET3E254TC	1,917	N1	291	18.0	92.4	23.213	208-230/460V	
	1200	284TC	01512ET3E284TC	3,388	N1	360	17.3	91.7	26.433	208-230/460V	◆
	3600	256TC	02036ET3ERS256TC	2,136	RSP	237	22.9	92.4	24.925	208-230/460V	RS
20	3600	256TC	02036ET3E256TC	2,451	N1	313	22.9	92.4	24.945	208-230/460V	
	1800	256TC	02018ET3ERS256TC	1,978	RSP	259	24.4	93.0	24.925	208-230/460V	RS
	1800	256TC	02018ET3E256TC	2,270	N1	324	24.4	93.0	24.945	208-230/460V	
	1200	286TC	02012ET3E286TC	4,060	N1	503	24.1	91.7	27.929	208-230/460V	◆
	3600	284TSC	02536ET3E284TSC	3,096	N1	353	28.4	93.0	25.061	208-230/460V	
	1800	284TC	02518ET3E284TC	2,840	N1	481	29.5	93.6	26.433	208-230/460V	
30	3600	286TSC	03036ET3E286TSC	3,659	N1	428	33.4	93.0	26.557	208-230/460V	
	1800	286TC	03018ET3E286TC	3,321	N1	525	35.1	93.6	27.929	208-230/460V	
	3600	324TSC	04036ET3E324TSC	4,845	N1	561	45.8	93.6	28.120	208-230/460V	◆
	1800	324TC	04018ET3E324TC	4,300	N1	640	48.3	94.1	29.620	208-230/460V	
	3600	326TSC	05036ET3E326TSC	5,437	N1	607	55.5	94.1	29.616	208-230/460V	◆
	1800	326TC	05018ET3E326TC	5,221	N1	662	60.6	94.5	31.116	208-230/460V	
60	3600	364TSC	06036ET3E364TSC	7,994	N1	992	68.3	94.1	31.583	208-230/460V	◆
	1800	364TC	06018ET3E364TC	7,831	N1	1036	68.4	95.0	33.709	208-230/460V	
	3600	365TSC	07536ET3E365TSC	9,533	N1	1025	82.6	95.0	31.583	208-230/460V	◆
	1800	365TC	07518ET3E365TC	9,148	N1	1047	82.3	95.4	33.709	208-230/460V	
	3600	405TSC	10036ET3E405TSC	12,492	N1	1361	111	95.0	35.077	208-230/460V	◆
	1800	405TC	10018ET3E405TC	12,179	N1	1302	112	95.4	38.077	208-230/460V	

C-FLANGE - FOOTLESS

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs	FL Amps 460V	FL Eff. %	“C” Dimension (in.)	Voltage	Notes
1	1800	143TC	00118ET3ER143TC-W22	572	N1	54	1.39	85.5	12.250	208-230/460V	
1.5	1800	145TC	00158ET3ER145TC-W22	596	N1	56	1.97	86.5	13.234	208-230/460V	
2	1800	145TC	00218ET3ER145TC-W22	659	N1	58	2.61	86.5	13.234	208-230/460V	
3	3600	182TC	00336ET3ER182TC-W22	826	N1	99	3.62	86.5	14.860	208-230/460V	
	1800	182TC	00318ET3ER182TC-W22	721	N1	99	3.88	89.5	14.860	208-230/460V	
5	3600	184TC	00536ET3ER184TC-W22	938	N1	114	5.91	88.5	15.860	208-230/460V	
	1800	184TC	00518ET3ER184TC-W22	834	N1	108	6.45	89.5	15.860	208-230/460V	
7.5	1800	213TC	00718ET3ER213TC-W22	1,175	N1	165	9.00	91.7	18.021	208-230/460V	
10	1800	215TC	01018ET3ER215TC-W22	1,366	N1	172	12.4	91.7	19.517	208-230/460V	
15	1800	254TC	01518ET3ER254TC-W22	1,975	N1	291	18.0	92.4	23.213	208-230/460V	
20	1800	256TC	02018ET3ER256TC-W22	2,338	N1	324	24.1	93.0	24.945	208-230/460V	
25	1800	284TC	02518ET3ER284TC-W22	2,925	N1	481	29.5	93.6	26.433	208-230/460V	
30	1800	286TC	03018ET3ER286TC-W22	3,421	N1	525	35.1	93.6	27.929	208-230/460V	
40	1800	324TC	04018ET3ER324TC-W22	4,429	N1	640	48.2	94.1	29.620	208-230/460V	
50	1800	326TC	05018ET3ER326TC-W22	5,378	N1	662	59.2	94.5	31.116	208-230/460V	

• ELECTRICAL FEATURES ON PAGE B-5, B-14, B-15. • MECHANICAL FEATURES ON PAGE B-47...B-50.

RS NEMA T Rolled Steel

◆ Product might not be available from stock

* Available as W22 by adding “-W22” suffix to the motor model.

For C-dimension, please check page B-96-97

NEMA Premium Efficiency General Purpose



ODP – THREE PHASE – FOOT MOUNT

WEG Premium Efficiency motors Open Drip Proof (ODP) motors are designed for environments where dirt and moisture are minimal. Design B torque and high efficiency design from 143T through 444/5T frames. These motors are specifically designed to provide maximum ventilation and heat dissipation. 'C' and 'D' flange available.



APPLICATIONS

- Pumps
- Fans
- Kneader and mixer machines
- Cutter and sawing machines
- Pressing machines
- Industrial equipment
- Conveyors
- Blowers
- Compressors
- Machinery
- Cranes
- Packaging equipment

FRAME – SPECIFIC FEATURES

FOR FRAME 143T/5T ONLY

- Welded steel plate frames (welded feet)
- Cast iron endshields with through bolt construction
- 'ZZ' bearings (double shielded)
- Degree of protection: IP21

FOR 182/4T AND 213/5T FRAMES ONLY

- Aluminum endshields and terminal box
- Cooling system with finned rotor
- ZZ Bearings (double shielded)
- Degree of protection : IP21

FOR FRAMES 254/6T UP TO 444/5T

- Cast iron frames
- Cast iron endshields and terminal box
- Cooling system with finned rotor
- Steel shaft 4140 for 404T & up
- Regreasable bearings positive pressure lubrication system (frame 254T and up)
- Degree of protection: IP23
- Field convertible to F2

STANDARD FEATURES

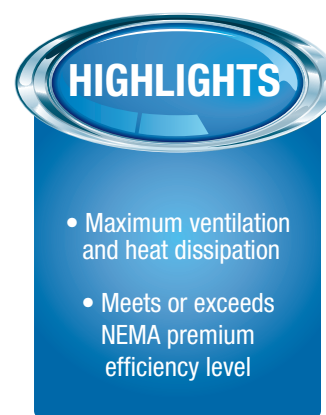
- Three-phase, 2 and 4 pole, 60Hz
- Voltage: 208-230/460V, 200V, 460V or 575V
- Open Drip Proof (ODP)
- NEMA dimensions
- NEMA Design 'B'
- Service factor: 1.15 (1.00 for 500HP)
- Continuous Duty (S1)
- 104°F (40°C) ambient temperature
- Ball bearings are supplied as standard
- 1045 Carbon Steel Shaft for frames up to 365T
- 4140 steel shaft for motors 404T and above (3600 RPM motors supplied with 1045)
- Class 'F' insulation for all frames
- Class 'H' impregnation resin
- F1 mount (also available flanged motors)
- Paint: Synthetic enamel alkyd resin base
- Color: RAL 5009 – Blue
- Stainless steel nameplate - laser etched (frames 254/6T and up)0
- Meets NEMA MG 1 Part 31 for use with VFD - 4:1 constant torque and 10:1 Variable Torque speed range.
- 50/60Hz rated up to 250 HP (50Hz at 1.0 Service Factor)

OPTIONAL FEATURES

- For 50Hz at 1.15 SF a higher HP should be selected
- Cable glands
- Special voltages
- Cast iron NEMA 'C' flange available for all frames or 'D' flange ('D' flange only for frames 254T and up)
- Specially designed shaft
- Second shaft end
- Thermistors, Thermostats or RTD's (PT100)
- Roller Bearings



**NEMA
Premium®**



NEMA PREMIUM
EFFICIENCY



FOOT MOUNT

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	"C" Dimension (in.)	Voltage	NOTES
1	1800	143T	001180T3E143T	390	N1B	36	1.45	85.5	12.086	208-230/460V	
	1800	143T	001180T3H143T	390	N1B	36	1.16	85.5	12.086	575V	◆
	1800	143T	001180T3E143TF3	390	N1B	36	1.45	85.5	12.086	208-230/460V	□
	1200	145T	001120T3E145T	446	N1B	39	1.63	82.5	12.086	208-230/460V	
1.5	3600	143T	001560T3E143T	442	N1B	34	1.90	85.5	12.086	208-230/460V	
	3600	143T	001560T3H143T	442	N1B	34	1.52	85.5	12.086	575V	◆
	1800	145T	001580T3E145T	449	N1B	43	2.20	86.5	12.086	208-230/460V	
	1800	145T	001580T3E145TF3	449	N1B	43	2.20	86.5	12.086	208-230/460V	□
	1800	145T	001580T3H145T	449	N1B	43	1.76	86.5	12.086	575V	◆
	1200	182T	001520T3E182T	588	N1B	49	2.31	86.5	13.504	208-230/460V	
2	3600	145T	002360T3E145T	487	N1B	43	2.50	86.5	12.086	208-230/460V	
	3600	145T	002360T3H145T	487	N1B	43	2.00	86.5	12.086	575V	◆
	1800	145T	002180T3E145T	492	N1B	43	2.90	86.5	12.086	208-230/460V	
	1800	145T	002180T3E145TF3	492	N1B	43	2.90	86.5	12.086	208-230/460V	□
	1800	145T	002180T3H145T	492	N1B	43	2.32	86.5	12.086	575V	◆
	1200	184T	002120T3E184T	597	N1B	66	3.03	87.5	14.291	208-230/460V	
3	3600	145T	003360T3E145T	545	N1B	49	3.50	87.5	12.086	208-230/460V	
	3600	145T	003360T3H145T	545	N1B	49	2.80	87.5	12.086	575V	◆
	1800	182T	003180T3E182T	524	N1B	55	4.06	89.5	13.504	208-230/460V	
	1800	182T	003180T3E182TF3	524	N1B	55	4.06	89.5	13.504	208-230/460V	□
	1800	182T	003180T3H182T	524	N1B	55	3.25	89.5	13.504	575V	◆
	1200	213T	003120T3E213T	775	N1B	73	4.27	88.5	17.165	208-230/460V	
5	3600	182T	005360T3E182T	651	N1B	57	6.17	88.5	13.504	208-230/460V	
	3600	182T	005360T3H182T	651	N1B	57	4.94	88.5	13.504	575V	
	1800	184T	005180T3E184T	630	N1B	71	6.41	89.5	14.291	208-230/460V	
	1800	184T	005180T3E184TF3	630	N1B	71	6.41	89.5	14.291	208-230/460V	□
	1800	184T	005180T3H184T	630	N1B	71	5.13	89.5	14.291	575V	◆
	1200	215T	005120T3E215T	1,057	N1B	105	6.92	89.5	17.165	208-230/460V	
7.5	3600	184T	007360T3E184T	920	N1B	69	8.97	88.5	13.511	208-230/460V	
	3600	184T	007360T3H184T	920	N1B	69	7.18	88.5	13.511	575V	◆
	1800	213T	007180T3E213T	910	N1B	90	9.03	91.0	17.165	208-230/460V	
	1800	213T	007180T3E213TF3	910	N1B	90	9.03	91.0	17.165	208-230/460V	□
	1800	213T	007180T3H213T	910	N1B	90	7.22	91.0	17.165	575V	◆
	1200	254T	007120T3E254T	1,467	N1B	255	9.69	90.2	20.669	208-230/460V	
10	3600	213T	010360T3E213T	1,081	N1B	134	11.9	91.0	17.165	208-230/460V	
	3600	213T	010360T3H213T	1,081	N1B	134	9.5	91.0	17.165	575V	◆
	1800	215T	010180T3E215T	1,102	N1B	112	12.2	91.7	17.165	208-230/460V	
	1800	215T	010180T3E215TF3	1,102	N1B	112	12.2	91.7	17.165	208-230/460V	□
	1800	215T	010180T3H215T	1,102	N1B	112	9.8	91.7	17.165	575V	◆
	1200	256T	010120T3E256T	1,717	N1B	276	13.0	91.7	22.401	208-230/460V	

- ELECTRICAL FEATURES ON PAGE B-8, B-9.
- MECHANICAL FEATURES ON PAGE B-52, B-53.

◆ = Product may not be available from stock
□ = F3 Mount

NEMA PREMIUM EFFICIENCY

GENERAL PURPOSE MOTORS – ODP – THREE-PHASE



FOOT MOUNT

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	"C" Dimension (in.)	Voltage	NOTES
15	3600	215T	015360T3E215T	1,492	N1B	139	17.4	91.0	17.165	208-230/460V	
	3600	215T	015360T3H215T	1,492	N1B	139	13.9	91.0	17.165	575V	◆
	1800	254T	015180T3E254T	1,477	N1B	247	18.6	93.0	20.669	208-230/460V	
	1800	254T	015180T3E254TF3	1,477	N1B	247	18.6	93.0	20.669	208-230/460V	□
	1800	254T	015180T3H254T	1,477	N1B	247	14.9	93.0	20.669	575V	◆
	1200	284T	015120T3E284T	2,412	N1B	400	17.7	91.7	23.386	208-230/460V	
20	3600	254T	020360T3E254T	1,760	N1B	205	24.6	91.0	20.669	208-230/460V	
	3600	254T	020360T3H254T	1,760	N1B	205	19.7	91.0	20.669	575V	◆
	1800	256T	020180T3E256T	1,832	N1B	291	25.0	93.0	22.401	208-230/460V	
	1800	256T	020180T3E256TF3	1,832	N1B	291	25.0	93.0	22.401	208-230/460V	□
	1800	256T	020180T3H256T	1,832	N1B	291	20.0	93.0	22.401	575V	◆
	1200	286T	020120T3E286T	3,034	N1B	437	24.0	92.4	24.882	208-230/460V	
25	3600	256T	025360T3E256T	2,139	N1B	269	29.8	91.7	22.401	208-230/460V	
	3600	256T	025360T3H256T	2,139	N1B	269	23.8	91.7	22.401	575V	◆
	1800	284TS	025180T3E284TS	2,160	N1B	382	29.9	93.6	22.000	208-230/460V	
	1800	284T	025180T3E284T	2,160	N1B	382	29.9	93.6	23.386	208-230/460V	
	1800	284T	025180T3E284TF3	2,160	N1B	382	29.9	93.6	23.386	208-230/460V	□
	1800	284T	025180T3H284T	2,160	N1B	382	23.9	93.6	23.386	575V	◆
30	1200	324T	025120T3E324T	3,519	N1B	509	30.4	93.0	26.181	208-230/460V	
	3600	284TS	030360T3E284TS	2,487	N1B	373	35.2	92.4	22.000	208-230/460V	
	3600	284TS	030360T3H284TS	2,487	N1B	373	28.2	92.4	22.000	575V	◆
	1800	286TS	030180T3E286TS	2,530	N1B	459	35.4	94.1	23.504	208-230/460V	
	1800	286T	030180T3E286T	2,530	N1B	459	35.4	94.1	24.882	208-230/460V	
	1800	286T	030180T3E286TF3	2,530	N1B	459	35.4	94.1	24.882	208-230/460V	□
40	1800	286T	030180T3H286T	2,530	N1B	459	28.3	94.1	24.882	575V	◆
	1200	326T	030120T3E326T	3,890	N1B	630	36.0	93.6	27.667	208-230/460V	
	3600	286TS	040360T3E286TS	3,308	N1B	457	47.1	93.0	23.504	208-230/460V	
	3600	286TS	040360T3H286TS	3,308	N1B	457	37.7	93.0	23.504	575V	◆
	1800	324TS	040180T3E324TS	3,095	N1B	574	48.2	94.1	24.685	208-230/460V	
	1800	324T	040180T3E324T	3,095	N1B	574	48.2	94.1	26.181	208-230/460V	
50	1800	324T	040180T3H324T	3,095	N1B	574	38.6	94.1	26.181	575V	◆
	1200	364T	040120T3E364T	5,544	N1B	813	48.2	94.1	29.764	208-230/460V	
	3600	324TS	050360T3E324TS	3,820	N1B	541	59.1	93.6	24.685	208-230/460V	
	3600	324TS	050360T3H324TS	3,820	N1B	541	47.3	93.6	24.685	575V	◆
	1800	326TS	050180T3E326TS	3,788	N1B	618	61.4	94.5	26.181	208-230/460V	
	1800	326T	050180T3E326T	3,788	N1B	618	61.4	94.5	27.667	208-230/460V	
60	1800	326T	050180T3H326T	3,788	N1B	618	49.1	94.5	27.667	575V	◆
	1200	365T	050120T3E365T	6,392	N1B	948	60.2	94.1	29.764	208-230/460V	
	3600	326TS	060360T3E326TS	4,581	N1B	627	71.0	93.6	26.181	208-230/460V	
	3600	326TS	060360T3H326TS	4,581	N1B	627	56.8	93.6	26.181	575V	◆
	1800	364TS	060180T3E364TS	4,443	N1B	935	69.9	95.0	27.638	208-230/460V	
	1800	364T	060180T3E364T	4,443	N1B	935	69.9	95.0	29.764	208-230/460V	
60	1800	364T	060180T3H364T	4,443	N1B	935	55.9	95.0	29.764	575V	◆
	1200	404T	060120T3E404T	7,562	N1B	1007	71.2	94.5	34.133	208-230/460V	

• ELECTRICAL FEATURES ON PAGE B-8, B-9.

• MECHANICAL FEATURES ON PAGE B-52, B-53.

□ = F3 Mount

◆ = Product may not be available from stock



NEMA PREMIUM
EFFICIENCY



FOOT MOUNT

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	"C" Dimension (in.)	Voltage	NOTES
75	3600	364TS	075360T3E364TS	5,799	N1B	805	81.5	94.1	27.638	208-230/460V	
	3600	364TS	075360T3H364TS	5,799	N1B	805	65.2	94.1	27.638	575V	◆
	1800	365TS	075180T3E365TS	5,658	N1B	935	85.5	95.0	27.638	208-230/460V	
	1800	365T	075180T3E365T	5,658	N1B	935	85.5	95.0	29.764	208-230/460V	
	1800	365T	075180T3H365T	5,658	N1B	935	68.4	95.0	29.764	575V	◆
	1200	405T	075120T3E405T	8,358	N1B	1188	85.9	94.5	34.133	208-230/460V	
100	3600	365TS	100360T3E365TS	6,644	N1B	935	111	94.5	27.638	208-230/460V	
	3600	365TS	100360T3G365TS	6,644	N1B	935	111	94.5	27.638	460V	
	1800	404TS	100180T3E404TS	7,141	N1B	1207	115	95.4	31.141	208-230/460V	
	1800	404TS	100180T3G404TS	7,141	N1B	1207	115	95.4	31.141	460V	
	1800	404T	100180T3E404T	7,141	N1B	1207	115	95.4	34.133	208-230/460V	
	1800	404T	100180T3G404T	7,141	N1B	1207	115	95.4	34.133	460V	
	1200	444T	100120T3E444T	11,863	N1B	1635	125	95.0	39.803	208-230/460V	
125	3600	404TS	125360T3E404TS	8,826	N1B	1401	136	94.5	31.141	208-230/460V	◆
	3600	404TS	125360T3G404TS	8,826	N1B	1401	136	94.5	31.141	460V	
	1800	405TS	125180T3E405TS	7,981	N1B	1207	142	95.4	31.141	208-230/460V	◆
	1800	405TS	125180T3G405TS	7,981	N1B	1207	142	95.4	31.141	460V	
	1800	405T	125180T3E405T	7,981	N1B	1207	142	95.4	34.133	208-230/460V	◆
	1800	405T	125180T3G405T	7,981	N1B	1207	142	95.4	34.133	460V	
	1200	445T	125120T3G445T	12,753	N1B	1914	158	95.0	39.803	460V	
150	3600	405TS	150360T3G405TS	11,416	N1B	1141	161	94.5	31.141	460V	
	1800	444TS	150180T3G444TS	10,668	N1B	1609	166	95.8	36.062	460V	
	1800	444T	150180T3G444T	10,668	N1B	1609	166	95.8	39.803	460V	
	1200	445T	150120T3G445T	13,615	N1B	2208	183	95.4	39.803	460V	
200	3600	444TS	200360T3G444TS	14,504	N1B	1713	223	95.0	36.062	460V	
	1800	445TS	200180T3G445TS	13,004	N1B	1916	223	95.8	36.062	460V	
	1800	445T	200180T3G445T	13,004	N1B	1916	223	95.8	39.803	460V	
	1200	447/9T	200120T3G447/9T	23,380	N1B	2426	241	95.4	47.299	460V	
250	3600	445TS	250360T3G445TS	18,983	N1B	1982	272	95.0	36.062	460V	
	1800	445TS	250180T3G445TS	15,513	N1B	2183	275	95.8	36.062	460V	
	1800	445T	250180T3G445T	15,513	N1B	2183	275	95.8	39.803	460V	
	1200	447/9T	250120T3G447/9T	27,249	N1B	2669	300	95.4	47.299	460V	
300	3600	445TS	300360T3G445TS	22,294	N1B	2183	322	95.4	36.062	460V	
	1800	447/9T	300180T3G447/9T	24,878	N1B	2195	324	95.8	48.317	460V	
	1200	447/9T	300120T3G447/9T	29,853	N1B	2695	357	95.4	48.317	460V	
350	3600	447/9TS	350360T3G447/9TS	25,055	N1B	1998	384	95.4	44.567	460V	
	1800	447/9T	350180T3G447/9T	25,174	N1B	2415	383	95.8	48.317	460V	
400	3600	447/9TS	400360T3G447/9TS	26,678	N1B	1998	442	95.8	44.567	460V	
	1800	447/9T	400180T3G447/9T	28,311	N1B	2686	442	95.8	48.317	460V	
450	3600	447/9TS	450360T3G447/9TS	28,239	N1B	2223	478	96.2	44.567	460V	
500	3600	447/9TS	500360T3G447/9TS	31,476	N1B	2289	536	96.2	44.567	460V	
550	3600	447/9TS	550360T3G447/9TS	32,629	N1B	2421	580	96.2	44.567	460V	
600	3600	447/9TS	600360T3G447/9TS	32,994	N1B	2509	638	96.2	44.567	460V	

- ELECTRICAL FEATURES ON PAGE B-8, B-9.
- MECHANICAL FEATURES ON PAGE B-52, B-53.

◆ = Product may not be available from stock

THREE PHASE FOOT MOUNT & FLANGE MOUNT

WEG Explosion Proof motors are suitable for applications requiring UL or CSA certification for hazardous locations. Thermally protected with thermostats, all motors manufactured are submitted to hydrostatic as well as other routine testing at the factory to ensure compliance to the required specifications. WEG High Efficiency Explosion Proof motors are specifically designed to meet or exceed all EPC requirements for energy efficiency.



APPLICATIONS

- Petroleum and gasoline
- Flour / feed mills
- Grain elevators
- Fans
- Pumps
- Blowers
- Material handling equipment
- Other applications requiring motors UL or CSA listed for hazardous locations.

OPTIONAL FEATURES

- Special Voltages and frequency
- Stainless steel shaft
- C (not available 586/7T) and D flanges
- F2 mount
- Maximum ambient temperature to 55°C (under inquiry)

CSA AND UL APPROVED



CSA approved – File LR 50962
Class 1, Division I, groups C and D
Class 2, Division I, groups F and G



ALSO ENERGY
VERIFIED
CSA C390-93(+)

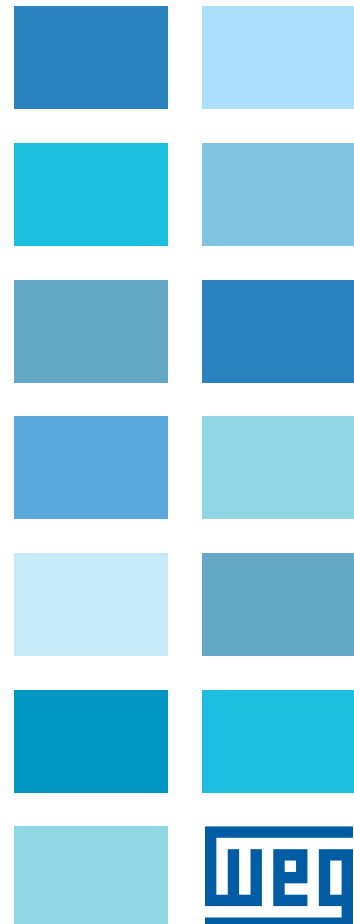
UL approved – File E 87848
Temperature code T4
Frame 143T up to 326T
Class 1, Division I, groups C and D

Frame 364T up to 586/7
Temperature code T3C
Class 1, Division I, groups C and D

Note: Motors are tested according to IEEE 112 std. – method 'B' or C390 CSA
• Design B torque rating on nameplate can be re-plated for design C for 15-200Hp 1800 and 1200 rpm
Energy efficiency motors verified by UL in addition to the DOE.

STANDARD FEATURES

- Efficiency Certification number CC029A according to US Department of Energy Regulations
- Three-phase, 60Hz
- Voltage: 208-230/460, 460 or 575V
- Squirrel cage rotor / Aluminum die cast
- Totally Enclosed Fan Cooled – TEFC (IP55)
- Ball bearings are supplied as standard
- Cast iron frame
- Class 'F' insulation
- Temperature rise: Class 'B' (80°C)
- Service factor: 1.15
- Inverter Duty as per CSA Standard (LR50962)
- NEMA dimensions
- NEMA ratings design 'B'
- Continuous Duty (S1)
- 104°F (40°C) ambient temperature
- Altitude: 3300 ft (1000 m) max
- 1045 Carbon Steel Shaft for frames up to 365T
- 4140 steel shaft for motors 404T and above. (3600 RPM motors supplied with 1045)
- Class 'F' insulation for all frames
- Class 'H' impregnation resin
- F1 mount
- Stainless steel nameplate
- Paint: Synthetic Enamel alkyd resin base (exceeds ASTM B117 salt spray test)
- Color: RAL 5009 – Blue (2, 4, 6 and 8 pole)
- NPT threaded terminal box
- Non-sparking fan
- Thermostats
- Greasing fitting from 364/5T up to 586/7



EXPLOSION
PROOF



FOOT MOUNT

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	“C” Dimension (in.)	Voltage	NOTES
1	1800	143T	00118XP3E143T	703	X1	71	1.49	82.5	12.760	208-230/460V	
	1800	143T	00118XP3H143T	703	X1	71	1.49	82.5	12.760	575V	
	1200	145T	00112XP3E145T	760	X1	67	1.70	80.0	13.752	208-230/460V	
	1200	145T	00112XP3H145T	760	X1	67	1.36	80.0	13.752	575V	◆
	900	182T	00109XP3E182T	1,512	X1	132	2.24	72.5	14.862	208-230/460V	
1.5	3600	143T	00156XP3E143T	727	X1	69	1.99	82.5	12.760	208-230/460V	
	3600	143T	00156XP3H143T	727	X1	69	1.6	82.5	12.760	575V	◆
	1800	145T	00158XP3E145T	729	X1	78	2.05	84.0	13.752	208-230/460V	
	1800	145T	00158XP3H145T	729	X1	78	1.64	84.0	13.752	575V	
	1200	182T	00152XP3E182T	920	X1	128	2.38	85.5	14.862	208-230/460V	
	1200	182T	00152XP3H182T	920	X1	128	1.90	85.5	14.862	575V	◆
	900	184T	00159XP3E184T	1,548	X1	137	2.81	74.5	15.862	208-230/460V	
2	3600	145T	00236XP3E145T	741	X1	71	2.60	84.0	13.752	208-230/460V	
	3600	145T	00236XP3H145T	741	X1	71	2.08	84.0	13.752	575V	◆
	1800	145T	00218XP3E145T	756	X1	80	2.70	84.0	13.752	208-230/460V	
	1800	145T	00218XP3H145T	756	X1	80	2.16	84.0	13.752	575V	
	1200	184T	00212XP3E184T	966	X1	132	3.20	86.5	15.862	208-230/460V	
	1200	184T	00212XP3H184T	966	X1	132	2.56	86.5	15.862	575V	◆
	900	213T	00209XP3E213T	1,953	X1	174	3.40	78.0	17.952	208-230/460V	
3	3600	182T	00336XP3E182T	920	X1	135	3.59	85.5	14.862	208-230/460V	
	3600	182T	00336XP3H182T	920	X1	135	2.87	85.5	14.862	575V	◆
	1800	182T	00318XP3E182T	960	X1	132	3.90	87.5	14.862	208-230/460V	
	1800	182T	00318XP3H182T	960	X1	132	3.12	87.5	14.862	575V	
	1200	213T	00312XP3E213T	1,414	X1	167	4.15	87.5	17.952	208-230/460V	
	1200	213T	00312XP3H213T	1,414	X1	167	3.32	87.5	17.952	575V	◆
	900	215T	00309XP3E215T	2,134	X1	198	4.67	80.0	19.450	208-230/460V	
5	3600	184T	00536XP3E184T	1,035	X1	126	5.90	87.5	15.862	208-230/460V	
	3600	184T	00536XP3H184T	1,035	X1	126	4.72	87.5	15.862	575V	◆
	1800	184T	00518XP3E184T	986	X1	137	6.48	87.5	15.862	208-230/460V	
	1800	184T	00518XP3H184T	986	X1	137	5.18	87.5	15.862	575V	
	1200	215T	00512XP3E215T	1,439	X1	175	6.80	87.5	19.450	208-230/460V	
	1200	215T	00512XP3H215T	1,439	X1	175	5.44	87.5	19.450	575V	◆
	900	254T	00509XP3E254T	3,237	X1	324	7.85	84.5	23.175	208-230/460V	
7.5	3600	213T	00736XP3E213T	1,397	X1	200	8.66	88.5	17.952	208-230/460V	
	3600	213T	00736XP3H213T	1,397	X1	200	6.93	88.5	17.952	575V	◆
	1800	213T	00718XP3E213T	1,439	X1	196	9.53	89.5	17.952	208-230/460V	
	1800	213T	00718XP3H213T	1,439	X1	196	7.62	89.5	17.952	575V	
	1200	254T	00712XP3E254T	1,983	X1	313	9.53	89.5	23.175	208-230/460V	
	1200	254T	00712XP3H254T	1,983	X1	313	7.62	89.5	23.175	575V	◆
	900	256T	00709XP3E256T	3,675	X1	348	11.3	86.0	24.923	208-230/460V	

• ELECTRICAL FEATURES ON PAGE B-10.

• MECHANICAL FEATURES ON PAGE B-56, B-57.

◆ = Product may not be available from stock

EXPLOSION PROOF MOTORS

TEFC – HIGH EFFICIENCY

EPACT CC# CC029A



FOOT MOUNT

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	"C" Dimension (in.)	Voltage	NOTES
10	3600	215T	01036XP3E215T	1,466	X1	196	11.7	89.5	19.450	208-230/460V	
	3600	215T	01036XP3H215T	1,466	X1	196	9.4	89.5	19.450	575V	◆
	1800	215T	01018XP3E215T	1,542	X1	211	12.8	90.2	19.450	208-230/460V	
	1800	215T	01018XP3H215T	1,542	X1	211	10.2	90.2	19.450	575V	
	1200	256T	01012XP3E256T	2,296	X1	329	13.4	89.5	24.923	208-230/460V	
	1200	256T	01012XP3H256T	2,296	X1	329	10.7	89.5	24.923	575V	
	900	284T	01009XP3E284T	4,631	X1	470	13.2	87.4	26.407	208-230/460V	
15	3600	254T	01536XP3E254T	1,922	X1	310	21.3	90.2	23.175	208-230/460V	◆
	3600	254T	01536XP3H254T	1,922	X1	310	17.0	90.2	23.175	575V	◆
	1800	254T	01518XP3E254T	2,008	X1	319	17.9	91.0	23.175	208-230/460V	
	1800	254T	01518XP3H254T	2,008	X1	319	14.3	91.0	23.175	575V	
	1200	284T	01512XP3E284T	3,230	X1	346	17.3	91.0	26.407	208-230/460V	
	1200	284T	01512XP3H284T	3,230	X1	346	13.8	91.0	26.407	575V	◆
	900	286T	01509XP3E286T	5,677	X1	481	18.8	88.5	27.905	208-230/460V	
20	3600	256T	02036XP3E256T	2,514	X1	366	23.3	90.2	24.923	208-230/460V	◆
	3600	256T	02036XP3H256T	2,514	X1	366	18.6	90.2	24.923	575V	◆
	1800	256T	02018XP3E256T	2,453	X1	352	24.4	91.0	24.923	208-230/460V	
	1800	256T	02018XP3H256T	2,453	X1	352	19.5	91.0	24.923	575V	
	1200	286T	02012XP3E286T	3,703	X1	470	23.5	91.0	27.905	208-230/460V	
	1200	286T	02012XP3H286T	3,703	X1	470	18.8	91.0	27.905	575V	◆
	900	324T	02009XP3E324T	6,984	X1	574	29.6	88.5	29.602	208-230/460V	
25	3600	284TS	02536XP3E284TS	3,308	X1	419	29.0	91.0	25.033	208-230/460V	◆
	3600	284TS	02536XP3H284TS	3,308	X1	419	23.2	91.0	25.033	575V	◆
	1800	284T	02518XP3E284T	3,110	X1	503	29.6	92.4	26.407	208-230/460V	
	1800	284T	02518XP3H284T	3,110	X1	503	23.7	92.4	26.407	575V	◆
	1200	324T	02512XP3E324T	4,456	X1	572	29.8	91.7	29.602	208-230/460V	
	1200	324T	02512XP3H324T	4,456	X1	572	23.8	91.7	29.602	575V	◆
	900	326T	02509XP3E326T	8,513	X1	640	35.3	89.0	31.106	208-230/460V	
30	3600	286TS	03036XP3E286TS	3,374	X1	472	33.8	91.0	26.531	208-230/460V	◆
	1800	286T	03018XP3E286T	3,545	X1	547	34.4	92.4	27.905	208-230/460V	
	1800	286T	03018XP3H286T	3,545	X1	547	27.5	92.4	27.905	575V	
	1200	326T	03012XP3E326T	5,163	X1	625	35.4	91.7	31.106	208-230/460V	
	900	364T	03009XP3E364T	11,677	X1	1025	36.9	90.2	33.701	208-230/460V	◆
40	3600	324TS	04036XP3E324TS	4,652	X1	618	46.1	91.7	28.102	208-230/460V	◆
	3600	324TS	04036XP3H324TS	4,652	X1	618	36.9	91.7	28.102	575V	◆
	1800	324T	04018XP3E324T	4,461	X1	623	47.6	93.0	29.602	208-230/460V	
	1800	324T	04018XP3H324T	4,461	X1	623	38.1	93.0	29.602	575V	
	1200	364T	04012XP3E364T	8,617	X1	992	47.1	93.0	33.701	208-230/460V	
	1200	364T	04012XP3H364T	8,617	X1	992	37.7	93.0	33.701	575V	◆
	900	365T	04009XP3E365T	12,326	X1	1085	49.1	90.2	33.701	208-230/460V	◆
50	3600	326TS	05036XP3E326TS	5,195	X1	656	56.5	92.4	29.606	208-230/460V	◆
	3600	326TS	05036XP3H326TS	5,195	X1	656	45.2	92.4	29.606	575V	◆
	1800	326T	05018XP3E326T	5,245	X1	720	57.8	93.6	31.106	208-230/460V	
	1800	326T	05018XP3H326T	5,245	X1	720	46.2	93.6	31.106	575V	
	1200	365T	05012XP3E365T	8,921	X1	992	58.1	93.0	33.701	208-230/460V	
	900	404T	05009XP3E404T	14,420	X1	1308	61.5	91.0	38.074	208-230/460V	◆

• ELECTRICAL FEATURES ON PAGE B-9, B-10.

• MECHANICAL FEATURES ON PAGE B-56, B-57.

◆ = Product may not be available from stock

Can't find what you are looking for? Call 1-800-ASK-4WEG (275-4934)

Data subject to change without notice.

A-61

EXPLOSION
PROOF



FOOT MOUNT

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	"C" Dimension (in.)	Voltage	NOTES
60	3600	364TS	06036XP3E364TS	8,373	X1	1014	69.0	93.0	31.575	208-230/460V	◆
	1800	364T	06018XP3E364T	8,770	X1	1060	67.0	93.6	33.701	208-230/460V	
	1200	404T	06012XP3E404T	11,089	X1	1222	70.1	93.6	38.074	208-230/460V	
	900	405T	06009XP3E405T	16,985	X1	1368	75.5	91.0	38.074	208-230/460V	◆
75	3600	365TS	07536XP3E365TS	9,472	X1	1156	82.5	93.0	31.575	208-230/460V	◆
	1800	365T	07518XP3E365T	9,333	X1	1347	82.4	94.1	33.701	208-230/460V	
	1200	405T	07512XP3E405T	11,530	X1	1291	86.8	93.6	38.074	208-230/460V	
	900	444T	07509XP3E444T	21,094	X1	1863	92.5	92.0	43.797	208-230/460V	◆
100	3600	405TS	10036XP3E405TS	10,291	X1	1456	113	93.6	35.074	208-230/460V	◆
	3600	405TS	10036XP3G405TS	10,291	X1	1456	113	93.6	35.074	460V	◆
	1800	405T	10018XP3E405T	11,603	X1	1390	115	94.5	38.074	208-230/460V	
	1800	405T	10018XP3G405T	11,603	X1	1390	115	94.5	38.074	460V	
	1200	444T	10012XP3E444T	17,528	X1	1720	121	94.1	43.797	208-230/460V	
	1200	444T	10012XP3G444T	17,528	X1	1720	121	94.1	43.797	460V	
	900	445T	10009XP3E445T	25,321	X1	2028	133	92.0	43.797	208-230/460V	◆
	900	445T	10009XP3G445T	25,321	X1	2028	133	92.0	43.797	460V	◆
125	3600	444TS	12536XP3G444TS	17,394	X1	1951	131	94.5	40.047	460V	◆
	1800	444T	12518XP3E444T	16,827	X1	1797	138	94.5	43.797	208-230/460V	
	1800	444T	12518XP3G444T	16,827	X1	1797	138	94.5	43.797	460V	
	1200	445T	12512XP3G445T	18,165	X1	2050	141	94.1	43.797	460V	
	900	504	12509XP3G504	28,717	X1	2443	155	92.5	49.445	460V	◆
150	3600	445TS	15036XP3G445TS	17,956	X1	1991	160	94.5	40.047	460V	◆
	1800	445T	15018XP3E445T	18,182	X1	2006	168	95.0	43.797	208-230/460V	
	1800	445T	15018XP3G445T	18,182	X1	2006	168	95.0	43.797	460V	
	1200	504	15012XP3G504	25,276	X1	2167	171	95.0	49.445	460V	◆
	900	505	15009XP3G505	31,289	X1	2694	189	92.5	49.445	460V	◆
	3600	504S	20036XP3G504S	24,538	X1	2227	223	95.0	47.193	460V	◆
200	1800	504	20018XP3G504	22,948	X1	2385	230	95.0	49.445	460V	◆
	1200	505	20012XP3G505	26,250	X1	2467	236	95.0	49.445	460V	◆
	900	586/7	20009XP3G586/7	47,701	X1	4035	256	94.5	61.389	460V	◆
	3600	505S	25036XP3G505S	25,936	X1	2573	268	95.4	47.193	460V	◆
250	1800	505	25018XP3G505	27,388	X1	2740	283	95.4	49.445	460V	◆
	1200	586/7	25012XP3G586/7	46,557	X1	4002	305	95.0	61.389	460V	◆
	900	586/7	25009XP3G586/7	50,701	X1	4344	313	93.9	61.389	460V	◆
	3600	586/7S	30036XP3G586/7S	46,692	X1	3638	325	95.4	54.514	460V	◆
300	1800	586/7	30018XP3G586/7	40,772	X1	4322	329	95.4	61.389	460V	◆
	1200	586/7	30012XP3G586/7	50,565	X1	4487	355	95.0	61.389	460V	◆
350	3600	586/7S	35036XP3G586/7S	54,890	X1	3859	384	95.4	54.514	460V	◆
	1800	586/7	35018XP3G586/7	44,351	X1	4344	398	95.4	61.389	460V	◆
400	1800	586/7	40018XP3G586/7	50,913	X1	4719	459	95.4	61.389	460V	◆
450	1800	586/7	45018XP3G586/7	54,334	X1	5248	505	95.4	61.389	460V	◆
500	1800	586/7	50018XP3G586/7	58,405	X1	5469	564	95.8	61.389	460V	◆

- ELECTRICAL FEATURES ON PAGE B-9, B-10.
- MECHANICAL FEATURES ON PAGE B-56, B-57.

◆ = Product may not be available from stock

EXPLOSION PROOF MOTORS

TEFC – HIGH EFFICIENCY

EPACT CC# CC029A



‘C’ FLANGE – FOOT MOUNT

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	“C” Dimension (in.)	Voltage	NOTES
1	1800	143TC	00118XP3E143TC	764	X1	71	1.49	82.5	12.760	208-230/460V	
	1200	145TC	00112XP3E145TC	820	X1	67	1.70	80.0	13.752	208-230/460V	
1.5	3600	143TC	00156XP3E143TC	787	X1	69	1.99	82.5	12.760	208-230/460V	
	1800	145TC	00158XP3E145TC	790	X1	78	2.05	84.0	13.752	208-230/460V	
	1200	182TC	00152XP3E182TC	989	X1	128	2.38	85.5	14.862	208-230/460V	
2	3600	145TC	00236XP3E145TC	802	X1	71	2.60	84.0	13.752	208-230/460V	
	1800	145TC	00218XP3E145TC	802	X1	80	2.70	84.0	13.752	208-230/460V	
	1200	184TC	00212XP3E184TC	1,035	X1	132	3.20	86.5	15.862	208-230/460V	
3	3600	182TC	00336XP3E182TC	989	X1	135	3.59	85.5	14.862	208-230/460V	
	1800	182TC	00318XP3E182TC	1,030	X1	132	3.90	87.5	14.862	208-230/460V	
	1200	213T	00312XP3E213TC	1,490	X1	167	4.15	87.5	17.952	208-230/460V	
5	1800	184TC	00518XP3E184TC	1,056	X1	137	6.48	87.5	15.862	208-230/460V	
7.5	1800	213TC	00718XP3E213TC	1,515	X1	196	9.53	89.5	17.952	208-230/460V	
10	1800	215TC	01018XP3E215TC	1,618	X1	211	12.8	90.2	19.450	208-230/460V	
15	1800	254TC	01518XP3E254TC	2,111	X1	319	17.9	91.0	23.175	208-230/460V	
20	1800	256TC	02018XP3E256TC	2,556	X1	352	24.4	91.0	24.923	208-230/460V	
25	1800	284TC	02518XP3E284TC	3,257	X1	503	29.6	92.4	26.407	208-230/460V	
30	1800	286TC	03018XP3E286TC	3,692	X1	547	34.4	92.4	27.905	208-230/460V	
40	1800	324TC	04018XP3E324TC	4,643	X1	623	47.6	93.0	29.602	208-230/460V	
50	1800	326TC	05018XP3E326TC	5,425	X1	720	57.8	93.6	31.106	208-230/460V	
60	1800	364TC	06018XP3E364TC	9,435	X1	1060	67.0	93.6	33.701	208-230/460V	
75	1800	365TC	07518XP3E365TC	9,998	X1	1347	82.4	94.1	33.701	208-230/460V	
100	1800	405TC	10018XP3E405TC	12,338	X1	1390	115	94.5	38.074	208-230/460V	

These models are fitted with a C-Flange but still have a foot mount design for maximum mounting flexibility

- ELECTRICAL FEATURES ON PAGE B-9, B-10.
- MECHANICAL FEATURES ON PAGE B-56, B-57.



‘C’ FLANGE – FOOTLESS

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	“C” Dimension (in.)	Voltage	NOTES
1	1800	143TC	00118XP3ER143TC	764	X1	71	1.49	82.5	12.750	208-230/460V	●
1.5	1800	145TC	00158XP3ER145TC	790	X1	78	2.05	84.0	13.752	208-230/460V	●
2	1800	145TC	00218XP3ER145TC	802	X1	80	2.70	84.0	13.752	208-230/460V	●
3	1800	182TC	00318XP3ER182TC	1,030	X1	132	3.90	87.5	14.862	208-230/460V	●
5	1800	184TC	00518XP3ER184TC	1,056	X1	137	6.48	87.5	15.862	208-230/460V	●
7.5	1800	213TC	00718XP3ER213TC	1,515	X1	196	9.53	89.5	17.952	208-230/460V	●
10	1800	215TC	01018XP3ER215TC	1,618	X1	211	12.80	90.2	19.450	208-230/460V	●
15	1800	254TC	01518XP3ER254TC	2,111	X1	319	17.90	91.0	23.175	208-230/460V	●
20	1800	256TC	02018XP3ER256TC	2,556	X1	352	24.40	91.0	24.923	208-230/460V	●
25	1800	284TC	02518XP3ER284TC	3,257	X1	503	29.60	92.4	26.407	208-230/460V	● ◆
30	1800	286TC	03018XP3ER286TC	3,692	X1	547	34.40	92.4	27.905	208-230/460V	● ◆
40	1800	324TC	04018XP3ER324TC	4,643	X1	623	47.60	93.0	29.602	208-230/460V	● ◆
50	1800	326TC	05018XP3ER326TC	5,425	X1	720	57.80	93.6	31.106	208-230/460V	● ◆

These models are Round Body design with no feet cast into the housing. They are design to mount C-Flange only

- ELECTRICAL FEATURES ON PAGE B-9, B-10.
- MECHANICAL FEATURES ON PAGE B-56, B-57.
- = Round Body
- ◆ = Product may not be available from stock



Explosion Proof Motors

NEMA PREMIUM EFFICIENCY THREE-PHASE - TEFC (IP54)

WEG Explosion Proof motors are suitable for applications requiring UL or CSA certification for hazardous locations. Thermally protected with thermostats, all motors manufactured are submitted to hydrostatic as well as other routine testing at the factory to ensure compliance to the required specifications. WEG High Efficiency Explosion Proof motors are specifically designed to meet or exceed all EPA requirements for energy efficiency.



APPLICATIONS

- Petroleum and gasoline
- Flour / feed mills
- Grain elevators
- Fans
- Pumps
- Blowers
- Material handling equipment
- Other applications requiring motors UL or CSA listed for hazardous locations.

OPTIONAL FEATURES

- Special Voltages and frequency
- Stainless steel shaft
- C (not available 586/7T) and D flanges
- F2 mount
- Maximum ambient temperature to 55°C (under inquiry)

CSA AND UL APPROVED



CSA approved – File LR 50962
Class I, Division I, groups C and D
Class 2, Division I, groups F and G



ALSO ENERGY
VERIFIED
CSA C390-93(+)

UL approved – File E 87848
Temperature code T4
Frame 143T up to 326T
Class I, Division I, groups C and D
Class 2, Division I, groups F and G

Frame 364T up to 586/7
Temperature code T3C
Class I, Division I, groups C and D
Class 2, Division I, groups F and G *
* For group G, Service Factor 1.0

STANDARD FEATURES

- Three-phase, 60Hz
- Voltage: 208-230/460, 460 or 575V
- Squirrel cage rotor / Aluminum die cast
- Totally Enclosed Fan Cooled – TEFC (IP54)
- Ball bearings are supplied as standard
- Cast iron frame
- Class 'F' insulation
- Temperature rise: Class 'B' (80°C)
- Service factor: 1.15
- Inverter Duty as per CSA Standard (LR50962)
- NEMA dimensions
- NEMA ratings design 'B'
- Continuous Duty (S1)
- 104°F (40°C) ambient temperature
- Altitude: 3300 ft (1000 m) max
- 1045 Carbon Steel Shaft for frames up to 365T
- 4140 steel shaft for motors 404T and above. (3600 RPM motors supplied with 1045)
- Class 'F' insulation for all frames
- Class 'H' impregnation resin
- F1 mount
- Stainless steel nameplate
- Paint: Synthetic Enamel alkyd resin base (exceeds ASTM B117 salt spray test)
- Color: RAL 5009 – Blue (2, 4, 6 and 8 pole)
- NPT threaded terminal box
- Non-sparking fan
- Thermostats
- Greasing fitting from 364/5T up to 586/7

HIGHLIGHTS

- Meets NEMA Premium Efficiency levels
- UL/CSA certified

Note: Motors are tested according to IEEE 112 std. – method 'B' or C390 CSA Energy efficiency motors verified by UL in addition to the DOE.



E87848



E 104590



LR 50962



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EXPLOSION PROOF MOTORS

THREE-PHASE - TEFC (IP54)

NEMA PREMIUM EFFICIENCY



FOOT MOUNT

HP	RPM	NEMA FRAME NEMA Frame	Catalog Number Catalog	List Price	Mult. Sym.	Approx. Shipp. Weight Lbs	FL Amps at High Voltage	FL Eff. %	"C" Dimension (in.)	Voltage	Notes
1	1800	143T	00118XT3E143T	901	X1	70	1.43	85.5	12.760	208-230/460	
	1800	143T	00118XT3H143T	901	X1	70	1.14	85.5	12.760	575	
	900	182T	00109XT3E182T	1,974	X1	120	2.30	78.5	14.862	208-230/460	
1.5	3600	143T	00156XT3E143T	916	X1	70	2.05	84.0	12.760	208-230/460	
	3600	143T	00156XT3H143T	916	X1	70	1.64	84.0	12.760	575	10
	1800	145T	00158XT3E145T	963	X1	79	2.05	86.5	13.752	208-230/460	
	1800	145T	00158XT3H145T	963	X1	79	1.64	86.5	13.752	575	
	1200	182T	00152XT3E182T	1,105	X1	126	2.32	87.5	14.862	208-230/460	
	1200	182T	00152XT3H182T	1,105	X1	126	1.86	87.5	14.862	575	10
	900	184T	00159XT3E184T	1,901	X1	136	2.70	82.5	15.862	208-230/460	
2	3600	145T	00236XT3E145T	892	X1	74	2.69	85.5	13.752	208-230/460	
	3600	145T	00236XT3H145T	892	X1	74	2.15	85.5	13.752	575	10
	1800	145T	00218XT3E145T	995	X1	63	2.72	86.5	13.752	208-230/460	
	1800	145T	00218XT3H145T	995	X1	63	2.18	86.5	13.752	575	
	1200	184T	00212XT3E184T	1,158	X1	137	3.13	88.5	15.862	208-230/460	
	1200	184T	00212XT3H184T	1,158	X1	137	2.50	88.5	15.862	575	10
	900	213T	00209XT3E213T	2,439	X1	173	3.45	84.0	17.952	208-230/460	
3	3600	182T	00336XT3E182T	1,192	X1	98	3.80	86.5	14.862	208-230/460	
	3600	182T	00336XT3H182T	1,192	X1	98	3.04	86.5	14.862	575	10
	1800	182T	00318XT3E182T	1,208	X1	123	3.91	89.5	14.862	208-230/460	
	1800	182T	00318XT3H182T	1,208	X1	123	3.13	89.5	14.862	575	
	1200	213T	00312XT3E213T	1,792	X1	173	4.41	89.5	17.952	208-230/460	
	1200	213T	00312XT3H213T	1,792	X1	173	3.53	89.5	17.952	575	10
	900	215T	00309XT3E215T	2,805	X1	209	4.44	84.0	19.450	208-230/460	
5	3600	184T	00536XT3E184T	1,255	X1	114	6.10	88.5	15.862	208-230/460	
	3600	184T	00536XT3H184T	1,255	X1	114	4.88	88.5	15.862	575	10
	1800	184T	00518XT3E184T	1,220	X1	138	6.57	89.5	15.862	208-230/460	
	1800	184T	00518XT3H184T	1,220	X1	138	5.26	89.5	15.862	575	
	1200	215T	00512XT3E215T	1,699	X1	226	6.83	89.5	19.450	208-230/460	
	1200	215T	00512XT3H215T	1,699	X1	226	5.46	89.5	19.450	575	10
	900	254T	00509XT3E254T	3,953	X1	321	7.93	87.5	23.175	208-230/460	
7.5	3600	213T	00736XT3E213T	1,646	X1	198	8.97	89.5	17.952	208-230/460	
	3600	213T	00736XT3H213T	1,646	X1	198	7.18	89.5	17.952	575	10
	1800	213T	00718XT3E213T	1,897	X1	160	9.41	91.7	17.952	208-230/460	
	1800	213T	00718XT3H213T	1,897	X1	160	7.53	91.7	17.952	575	
	1200	254T	00712XT3E254T	2,483	X1	317	9.73	91.0	23.175	208-230/460	
	1200	254T	00712XT3H254T	2,483	X1	317	7.78	91.0	23.175	575	10
	900	256T	00709XT3E256T	4,707	X1	361	11.6	87.5	24.923	208-230/460	
10	3600	215T	01036XT3E215T	1,727	X1	209	12.0	90.2	19.450	208-230/460	
	3600	215T	01036XT3H215T	1,727	X1	209	9.60	90.2	19.450	575	10
	1800	215T	01018XT3E215T	1,997	X1	215	12.7	91.7	19.450	208-230/460	
	1800	215T	01018XT3H215T	1,997	X1	215	10.2	91.7	19.450	575	
	1200	256T	01012XT3E256T	2,900	X1	372	13.3	91.0	24.923	208-230/460	
	1200	256T	01012XT3H256T	2,900	X1	372	10.6	91.0	24.923	575	
	900	284T	01009XT3E284T	5,668	X1	475	13.3	91.0	26.407	208-230/460	
15	3600	254T	01536XT3E254T	2,387	X1	326	16.9	91.7	23.175	208-230/460	10
	3600	254T	01536XT3H254T	2,387	X1	326	13.5	91.7	23.175	575	10
	1800	254T	01518XT3E254T	2,653	X1	337	18.4	92.4	23.175	208-230/460	
	1800	254T	01518XT3H254T	2,653	X1	337	14.7	92.4	23.175	575	
	1200	284T	01512XT3E284T	4,048	X1	471	17.5	91.7	26.407	208-230/460	
	1200	284T	01512XT3H284T	4,048	X1	471	14.0	91.7	26.407	575	10
	900	286T	01509XT3E286T	7,102	X1	515	19.0	91.0	27.905	208-230/460	

• ELECTRICAL FEATURES ON PAGE B-11.

• MECHANICAL FEATURES ON PAGE B-56, B-57.

10 - Might not be available in stock

EXPLOSION
PROOF



FOOT MOUNT

HP	RPM	NEMA FRAME NEMA Frame	Catalog Number Catalog	List Price	Mult. Sym.	Approx. Shipp. Weight Lbs	FL Amps at High Voltage	FL Eff. %	"C" Dimension (in.)	Voltage	Notes
20	3600	256T	02036XT3E256T	3,083	X1	365	22.9	92.4	24.923	208-230/460	10
	3600	256T	02036XT3H256T	3,083	X1	365	18.3	92.4	24.923	575	10
	1800	256T	02018XT3E256T	3,008	X1	372	25.0	93.0	24.923	208-230/460	
	1800	256T	02018XT3H256T	3,008	X1	372	20.0	93.0	24.923	575	
	1200	286T	02012XT3E286T	4,444	X1	509	24.2	91.7	27.905	208-230/460	
	1200	286T	02012XT3H286T	4,444	X1	509	19.4	91.7	27.905	575	10
25	900	324T	02009XT3E324T	8,390	X1	614	27.5	92.4	29.602	208-230/460	
	3600	284TS	02536XT3E284TS	4,188	X1	460	28.4	93.0	25.033	208-230/460	10
	3600	284TS	02536XT3H284TS	4,188	X1	460	22.7	93.0	25.033	575	10
	1800	284T	02518XT3E284T	3,886	X1	480	29.9	93.6	26.407	208-230/460	
	1800	284T	02518XT3H284T	3,886	X1	480	23.9	93.6	26.407	575	10
	1200	324T	02512XT3E324T	5,375	X1	647	30.4	93.0	29.602	208-230/460	
30	1200	324T	02512XT3H324T	5,375	X1	647	24.3	93.0	29.602	575	10
	900	326T	02509XT3E326T	10,512	X1	681	35.4	92.4	31.106	208-230/460	
	3600	286TS	03036XT3E286TS	4,262	X1	537	33.7	93.0	26.531	208-230/460	10
	3600	286TS	03036XT3H286TS	4,262	X1	537	27.0	93.0	26.531	575	10
	1800	286T	03018XT3E286T	4,296	X1	520	36.0	93.6	27.905	208-230/460	
	1800	286T	03018XT3H286T	4,296	X1	520	28.8	93.6	27.905	575	
40	1200	326T	03012XT3E326T	6,196	X1	703	36.7	93.0	31.106	208-230/460	
	1200	326T	03012XT3H326T	6,196	X1	703	29.4	93.0	31.106	575	10
	900	364T	03009XT3E364T	15,505	X1	919	38.5	93.0	33.701	208-230/460	10
	3600	324TS	04036XT3E324TS	5,583	X1	647	45.8	93.6	28.102	208-230/460	10
	3600	324TS	04036XT3H324TS	5,583	X1	647	36.6	93.6	28.102	575	10
	1800	324T	04018XT3E324T	5,380	X1	658	48.2	94.1	29.602	208-230/460	
50	1800	324T	04018XT3H324T	5,380	X1	658	38.6	94.1	29.602	575	
	1200	364T	04012XT3E364T	10,576	X1	1,018	47.1	94.1	33.701	208-230/460	
	1200	364T	04012XT3H364T	10,576	X1	1,018	37.7	94.1	33.701	575	10
	900	365T	04009XT3E365T	15,071	X1	1,066	52.2	93.6	33.701	208-230/460	10
	3600	326TS	05036XT3E326TS	6,582	X1	736	55.5	94.1	29.606	208-230/460	10
	3600	326TS	05036XT3H326TS	6,582	X1	736	44.4	94.1	29.606	575	10
60	1800	326T	05018XT3E326T	6,545	X1	714	60.6	94.5	31.106	208-230/460	
	1800	326T	05018XT3H326T	6,545	X1	714	48.5	94.5	31.106	575	
	1200	365T	05012XT3E365T	10,597	X1	1,044	58.1	94.1	33.701	208-230/460	
	1200	365T	05012XT3H365T	10,597	X1	1,044	46.5	94.1	33.701	575	
	900	404T	05009XT3E404T	22,443	X1	1,265	68.0	93.6	38.074	208-230/460	10
	3600	364TS	06036XT3E364TS	9,988	X1	1,025	68.3	94.1	31.575	208-230/460	10
75	3600	364TS	06036XT3H364TS	9,988	X1	1,025	54.6	94.1	31.575	575	10
	1800	364T	06018XT3E364T	10,460	X1	1,022	68.3	95.0	33.701	208-230/460	
	1800	364T	06018XT3H364T	10,460	X1	1,022	54.6	95.0	33.701	575	10
	1200	404T	06012XT3E404T	13,196	X1	1,221	70.4	94.5	38.074	208-230/460	
	900	405T	06009XT3E405T	26,900	X1	1,287	75.9	93.0	38.074	208-230/460	10
	3600	365TS	07536XT3E365TS	11,285	X1	1,033	82.4	94.1	31.575	208-230/460	10
100	3600	365TS	07536XT3H365TS	11,285	X1	1,033	65.9	94.1	31.575	575	10
	1800	365T	07518XT3E365T	11,125	X1	945	83.2	95.4	33.701	208-230/460	
	1800	365T	07518XT3H365T	11,125	X1	945	66.6	95.4	33.701	575	10
	1200	405T	07512XT3E405T	13,836	X1	1,265	87.0	94.5	38.074	208-230/460	
	900	444T	07509XT3E444T	29,094	X1	1,920	92.2	93.6	43.797	208-230/460	10
	3600	405TS	10036XT3E405TS	12,999	X1	1,214	110	95.0	35.074	208-230/460	10
100	3600	405TS	10036XT3G405TS	12,999	X1	1,214	110	95.0	35.074	460	10
	3600	405TS	10036XT3H405TS	12,999	X1	1,214	88.0	95.0	35.074	575	10
	1800	405T	10018XT3E405T	14,206	X1	1,230	113	95.4	38.074	208-230/460	
	1800	405T	10018XT3G405T	14,206	X1	1,230	113	95.4	38.074	460	
	1800	405T	10018XT3H405T	14,206	X1	1,230	90.4	95.4	38.074	575	10
	1200	444T	10012XT3E444T	21,032	X1	1,904	121	95.0	43.797	208-230/460	
100	1200	444T	10012XT3G444T	21,032	X1	1,904	121	95.0	43.797	460	
	900	445T	10009XT3E445T	31,191	X1	2,061	125	94.1	43.797	208-230/460	
100	900	445T	10009XT3G445T	31,191	X1	2,061	125	94.1	43.797	460	10

For 'C' flange models : Add a 'C' to the end of the part number. EX. 00518XP3E184TC

- ELECTRICAL FEATURES ON PAGE B-11.
- MECHANICAL FEATURES ON PAGE B-56, B-57.

10 - Might not be available in stock

EXPLOSION PROOF MOTORS

THREE-PHASE - TEFC (IP54)

NEMA PREMIUM EFFICIENCY



FOOT MOUNT

HP	RPM	NEMA FRAME	Catalog Number	List Price	Mult. Sym.	Approx. Shipp. Weight Lbs	FL Amps at High Voltage	FL Eff. %	"C" Dimension (in.)	Voltage	Notes
125	3600	444TS	12536XT3G444TS	20,874	X1	1,948	137	95.0	40.047	460	10
	1800	444T	12518XT3E444T	19,961	X1	2,034	142	95.4	43.797	208-230/460	
	1800	444T	12518XT3G444T	19,961	X1	2,034	142	95.4	43.797	460	
	1200	445T	12512XT3G445T	21,537	X1	2,301	150	95.0	43.797	460	
150	3600	445TS	15036XT3G445TS	21,320	X1	1,993	161	95.4	40.047	460	10
	1800	445T	15018XT3E445T	21,557	X1	2,103	170	95.8	43.797	208-230/460	
	1800	445T	15018XT3G445T	21,557	X1	2,103	170	95.8	43.797	460	

10 - Might not be available in stock

'C' FLANGE – FOOT MOUNT

HP	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Approx. Shipp. Weight Lbs	FL Amps 460V	FL Eff. %	“C” Dimension (in.)	Voltage	Notes
1	1800	143TC	00118XT3E143TC	1,054	X1	70	1.43	85.5	12.760	208-230/460V	
1.5	3600	143TC	00156XT3E143TC	1,069	X1	70	2.05	84.0	12.760	208-230/460V	
	1800	145TC	00158XT3E145TC	1,116	X1	79	2.05	86.5	13.752	208-230/460V	
	1200	182TC	00152XT3E182TC	1,270	X1	126	2.32	87.5	14.862	208-230/460V	
	3600	145TC	00236XT3E145TC	1,045	X1	74	2.69	85.5	13.752	208-230/460V	
2	1800	145TC	00218XT3E145TC	1,148	X1	63	2.72	86.5	13.752	208-230/460V	
	1200	184TC	00212XT3E184TC	1,323	X1	137	3.13	88.5	15.862	208-230/460V	
	3600	182TC	00336XT3E182TC	1,357	X1	98	3.80	86.5	14.862	208-230/460V	
3	1800	182TC	00318XT3E182TC	1,373	X1	123	3.91	89.5	14.862	208-230/460V	
	1200	213TC	00312XT3E213TC	1,975	X1	173	4.41	89.5	17.952	208-230/460V	
	5	1800	184TC	00518XT3E184TC	1,385	X1	138	6.57	89.5	15.862	208-230/460V
7.5	1800	213TC	00718XT3E213TC	2,080	X1	160	9.41	91.7	17.952	208-230/460V	
10	1800	215TC	01018XT3E215TC	2,180	X1	215	12.7	91.7	19.450	208-230/460V	
15	1800	254TC	01518XT3E254TC	2,976	X1	337	18.4	92.4	23.175	208-230/460V	
20	1800	256TC	02018XT3E256TC	3,331	X1	372	25.0	93.0	24.923	208-230/460V	
25	1800	284TC	02518XT3E284TC	4,262	X1	480	29.9	93.6	26.407	208-230/460V	
30	1800	286TC	03018XT3E286TC	4,672	X1	520	36.0	93.6	27.905	208-230/460V	
40	1800	324TC	04018XT3E324TC	5,919	X1	658	48.2	94.1	29.602	208-230/460V	
50	1800	326TC	05018XT3E326TC	7,084	X1	714	60.6	94.5	31.106	208-230/460V	
60	1800	364TC	06018XT3E364TC	11,116	X1	1,022	68.3	95.0	33.701	208-230/460V	
75	1800	365TC	07518XT3E365TC	11,781	X1	945	83.2	95.4	33.701	208-230/460V	
100	1800	405TC	10018XT3E405TC	14,993	X1	1,230	113	95.4	38.074	208-230/460V	

These models are fitted with a C-Flange but still have a foot mount design for maximum mounting flexibility

ROUND BODY - FOOTLESS WITH 'C' FLANGE

HP	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Approx. Shipp. Weight Lbs	FL Amps 460V	u Eff. %	"C" Dimension (in.)	Voltage	Notes
1	1800	143TC	00118XT3ER143TC	1,072	X1	71	1.49	82.5	12.750	208-230/460V	14
1.5	1800	145TC	00158XT3ER145TC	1,135	X1	78	2.05	84.0	13.752	208-230/460V	14
2	1800	145TC	00218XT3ER145TC	1,168	X1	80	2.70	84.0	13.752	208-230/460V	14
3	1800	182TC	00318XT3ER182TC	1,397	X1	132	3.90	87.5	14.862	208-230/460V	14
5	1800	184TC	00518XT3ER184TC	1,409	X1	137	6.48	87.5	15.862	208-230/460V	14
7.5	1800	213TC	00718XT3ER213TC	2,118	X1	196	9.53	89.5	17.952	208-230/460V	14
10	1800	215TC	01018XT3ER215TC	2,220	X1	211	12.80	90.2	19.450	208-230/460V	14
15	1800	254TC	01518XT3ER254TC	3,029	X1	319	17.90	91.0	23.175	208-230/460V	14
20	1800	256TC	02018XT3ER256TC	3,391	X1	352	24.40	91.0	24.923	208-230/460V	14
25	1800	284TC	02518XT3ER284TC	4,340	X1	503	29.60	92.4	26.407	208-230/460V	10, 14
30	1800	286TC	03018XT3ER286TC	4,758	X1	547	34.40	92.4	27.905	208-230/460V	10, 14
40	1800	324TC	04018XT3ER324TC	6,027	X1	623	47.60	93.0	29.602	208-230/460V	10, 14
50	1800	326TC	05018XT3ER326TC	7,215	X1	720	57.80	93.6	31.106	208-230/460V	10, 14

These models are Round Body design with no feet cast into the housing. They are design to mount C-Flange only

10 - Might not be available in stock

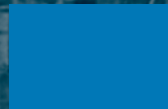
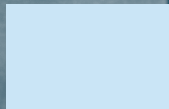
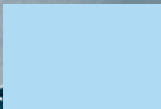
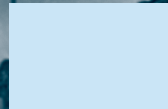
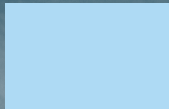
14 - Round body

• ELECTRICAL FEATURES ON PAGE B-11.

• MECHANICAL FEATURES ON PAGE B-56, B-57.

Wendell W. Levister, Low Voltage Motors Supervisor:

“Our Crusher Duty motors & starters conquer the most demanding applications.”

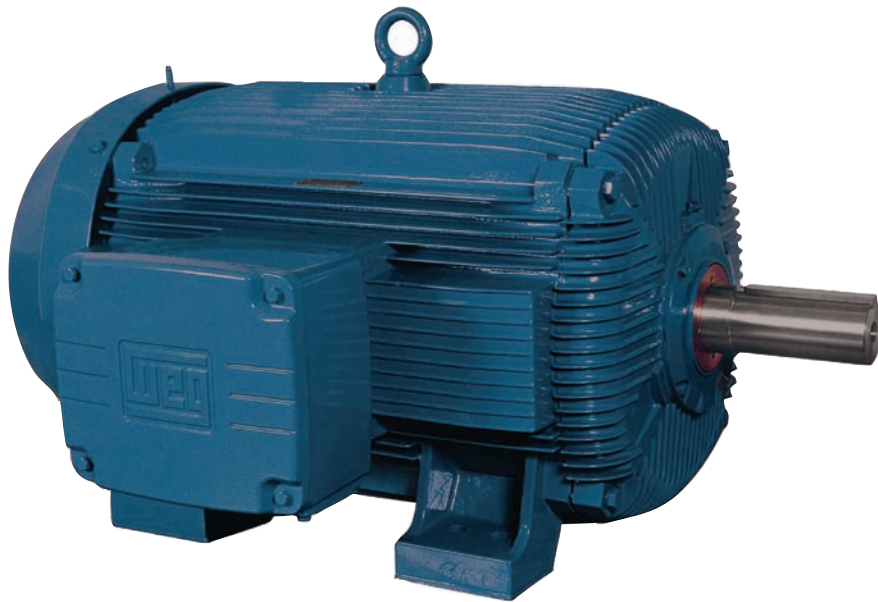


Crusher Duty from WEG means extra-high-torque and inverter-rated motor designs through 500 HP with oversized roller bearings and large-diameter 4140 steel shafts. Plus, WEG's Crusher Duty soft starters through 800 HP include the TPH Series that surpasses the highest starting torque requirements, rated 500% for 60 seconds. To learn more or for a U.S. distributor near you, call 1-800-ASK-4WEG.

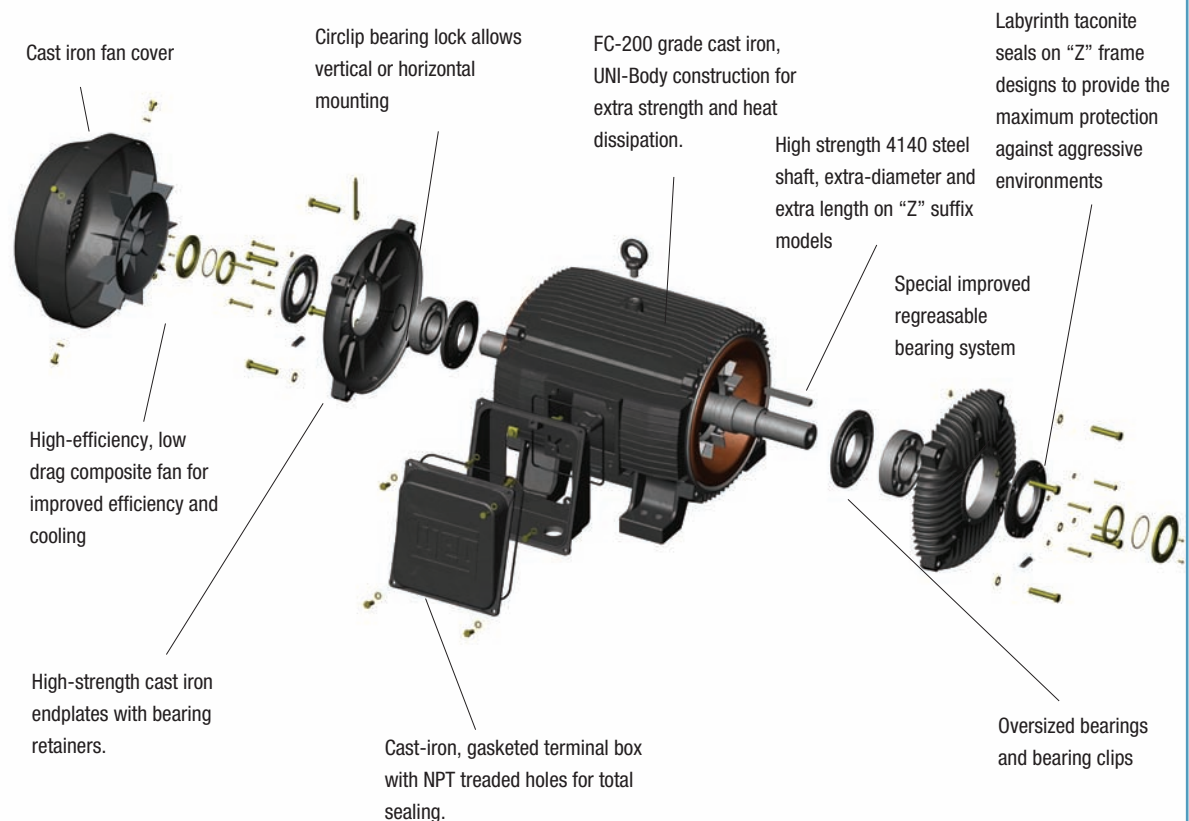
Transforming energy into solutions. www.weg.net

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WEG – THE ORIGINAL AND STILL THE BEST CRUSHER DUTY MOTOR IN THE INDUSTRY



CRUSHER®
DUTY





Crusher Duty Motors - "A Family of Products"

FOR THE MOST DEMANDING ROCK CRUSHER APPLICATIONS

WEG Crusher Duty motors are specifically designed to meet the demanding requirements of the rock crushing industry. FC200 grade cast iron, provides superior strength and heat dissipation, and 4140 high-strength steel shafts keep the motor running when others fail. These motors are designed for vertical or horizontal mounting and have exceptional high starting and breakdown torque. Compare the standard features of the WEG Crusher Duty motor to any other and see why these motors are "Crusher Duty" tough!



- High starting and breakdown torque
- FC-200 reinforced cast iron/ Severe Duty
- Partners with TPH Crusher Duty Soft Starters

APPLICATIONS

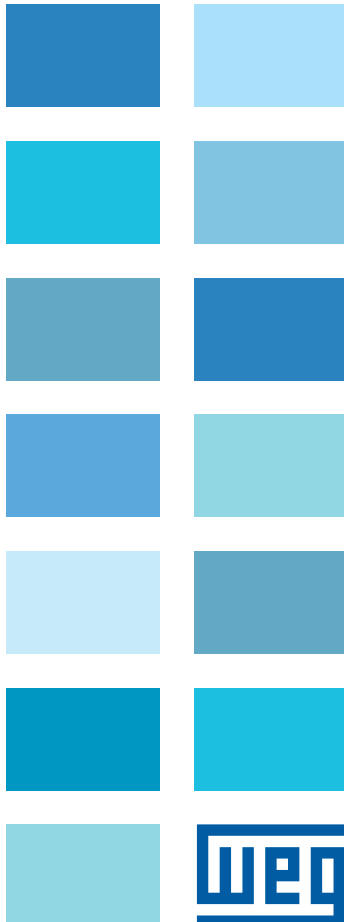
- Primary, secondary and tertiary crusher
- Jaw crushers
- Roller crushers
- Vertical Shaft Impact crushers
- Gyratory crushers
- Cage mills
- Cone crushers
- Horizontal Shaft Impact crushers
- Hammermills
- Grizzly feeders
- Also recommended for belt feeders and belt conveyors

"Z" MOTORS

- Larger diameter shafts for the highest overhung load ratings in the industry
- Oversized roller bearings for maximum load capacity
- Labyrinth seal on both ends

STANDARD FEATURES

- High torque for maximum performance – highest break-down torque
- Three-phase, 60Hz
- Voltage: 208-230/460 or 460V
- Totally Enclosed Fan Cooled – TEFC (IP55) water tight and dust tight enclosure
- Class 'F' insulation for all frames
- Class 'H' resin insulation system
- Service factor: 1.15 (500Hp 1.00 SF)
- Continuous Duty (S1)
- 104°F (40°C) ambient temperature
- Roller bearings standard on all Crusher Duty® model motors
- F1 mount
- Terminal box rotatable
- Stainless steel nameplate - laser etching
- Versatile starting methods – capable of wye-delta, across line and part winding (12 leads)
- Paint: synthetic enamel alkyd resin base (exceeds ASTM B117 salt spray test)
- Color: RAL 7022 – Dark Gray



Note: All motors are tested according to IEEE 112 Std. – Method 'B' or C390 CSA.
Energy efficiency motors verified by UL in addition to the DOE.

CRUSHER DUTY MOTORS

"A FAMILY OF PRODUCTS"



CRUSHER DUTY MOTORS – HORIZONTAL

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	"C" Dimension (in.)	Voltage	NOTES
50	900	404T	05009ES3EKD404T	8,310	K1	1116	61.5	91.0	38.077	208-230/460V	○
60	900	405T	06009ES3EKD405T	9,397	K1	1169	75.5	91.0	38.077	208-230/460V	○
75	900	444T	07509ES3GKD444T	13,733	K1	1631	92.5	92.0	43.776	460V	○
100	1800	405T	10018EP3ERB405T	9,547	W1	1273	115	94.5	38.077	208-230/460V	○
	1800	405T	10018EP3GRB405T	9,547	W1	1273	115	94.5	38.077	460V	○
	1200	444T	10012EP3GRB444T	13,027	W1	1720	121	94.1	43.776	460V	○
	900	445T	10009ES3GKD445T	16,009	K1	1896	133	92.0	43.776	460V	○
125	1800	444T	12518EP3GRB444T	12,678	W1	1647	138	94.5	43.776	460V	○
	1200	445T	12512EP3GRB445T	15,429	W1	2050	141	94.1	43.776	460V	○
	900	447T	12509ES3GKD447T	19,007	K1	2132	155	92.5	47.299	460V	○
150	1800	445T	15018EP3GRB445T	14,952	W1	1841	168	95.0	43.776	460V	○
	1200	447T	15012EP3GRB447T	18,105	W1	2167	171	95.0	47.299	460V	○
	900	447T	15009ES3GKD447T	21,191	K1	2337	189	92.5	47.299	460V	○
200	1800	445T	20018EP3GRB445T	18,506	W1	2117	230	95.0	43.776	460V	○
	1800	447T	20018EP3GRB447T	18,506	W1	2194	230	95.0	47.299	460V	○
	1200	447T	20012EP3GRB447T	22,410	W1	2467	236	95.0	47.299	460V	○
	1200	505Z	20012EP3GKD505Z	20,945	K1	2517	236	95.0	50.449	460V	○★
	900	449T	20009ES3GKD449	30,910	K1	3706	265	93.5	54.976	460V	○
	900	449TZ	20009ES3GKD449TZ	30,910	K1	3856	265	95.5	58.370	460V	◆○★
	900	586/7	20009ES3GKD586/7	38,314	K1	3925	256	94.5	59.421	460V	◆○
250	1800	447T	25018ES3GKD447T	19,454	K1	2425	286	94.5	47.299	460V	○
	1800	447TZ	25018ES3GKD447TZ	19,454	K1	2475	286	94.5	50.424	460V	◆○★
	1800	505	25018ES3GKD505	20,173	K1	2425	286	94.5	49.449	460V	◆○
	1800	505Z	25018ES3GKD505Z	20,173	K1	2475	286	94.5	50.449	460V	◆○★
	1200	449T	25012ES3GKD449	26,167	K1	3274	307	94.5	54.976	460V	○
	1200	449TZ	25012ES3GKD449TZ	26,167	K1	3324	307	94.5	58.370	460V	◆○★
	1200	586/7	25012ES3GKD586/7	33,070	K1	3660	305	94.0	59.421	460V	◆○
	1200	586/7Z	25012ES3GKD580Z	33,070	K1	3710	305	94.0	64.949	460V	○★
	900	586/7	25009ES3GKD586/7	41,304	K1	4123	313	93.9	59.421	460V	○

- ELECTRICAL FEATURES ON PAGE B-17.
- MECHANICAL FEATURES ON PAGE B-59, B-61.

- = Roller Bearing
- ★ = Z-Frame; Bigger shaft diameter and bearings.
- ◆ = Product may not be available from stock

CRUSHER®
DUTY



CRUSHER DUTY MOTORS – HORIZONTAL

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	"C" Dimension (in.)	Voltage	NOTES
300	1800	449T	30018ES3GKD449	27,234	K1	3104	354	94.1	54.976	460V	○
	1800	449TZ	30018ES3GKD449TZ	27,234	K1	3154	354	94.1	58.370	460V	◆○★
	1800	586/7	30018ES3GKD586/7	31,557	K1	3372	331	95.0	59.421	460V	◆○
	1800	586/7Z	30018ES3GKD580Z	31,557	K1	3422	331	95.0	64.949	460V	○★
	1200	449T	30012ES3GKD449	34,158	K1	3495	360	94.7	54.976	460V	○
	1200	449TZ	30012ES3GKD449TZ	34,158	K1	3545	360	94.7	58.370	460V	◆○★
	1200	586/7	30012ES3GKD586/7	38,473	K1	3903	361	94.5	59.421	460V	○
	1200	586/7Z	30012ES3GKD580Z	38,473	K1	3953	361	94.5	64.949	460V	○★
	900	586/7	30009ES3GKD586/7	51,705	K1	4293	367	94.0	59.421	460V	○
350	1800	449T	35018ES3GKD449	30,188	K1	3472	404	95.0	54.976	460V	○
	1800	449TZ	35018ES3GKD449TZ	30,188	K1	3522	404	95.0	58.370	460V	◆○★
	1800	586/7	35018ES3GKD586/7	33,863	K1	3760	391	95.0	59.421	460V	◆○
	1800	586/7Z	35018ES3GKD580Z	33,863	K1	3810	391	95.0	64.949	460V	○★
	1200	586/7	35012ES3GKD586/7	42,076	K1	4355	420	94.9	59.421	460V	◆○
	1200	586/7Z	35012ES3GKD580Z	42,076	K1	4405	420	94.9	64.949	460V	○★
	900	586/7	35009ES3GKD586/7	54,381	K1	4686	431	94.7	59.421	460V	◆○
400	1800	586/7	40018ES3GKD586/7	39,338	K1	4168	451	95.0	59.421	460V	◆○
	1800	586/7Z	40018ES3GKD580Z	39,338	K1	4218	451	95.0	64.949	460V	○★
	1200	586/7	40012ES3GKD586/7	46,197	K1	4498	484	94.9	59.421	460V	◆○
	1200	586/7Z	40012ES3GKD580Z	46,197	K1	4548	484	94.9	64.949	460V	○★
450	1800	586/7	45018ES3GKD586/7	42,191	K1	4388	496	95.0	59.421	460V	◆○
	1800	586/7Z	45018ES3GKD580Z	42,191	K1	4438	496	95.0	64.949	460V	○★
	1200	586/7	45012ES3GKD586/7	49,958	K1	4620	540	95.0	59.421	460V	◆○
	1200	586/7Z	45012ES3GKD580Z	49,958	K1	4670	540	95.0	64.949	460V	○★
500	1800	586/7	50018ES3GKD586/7	43,375	K1	4587	555	95.2	59.421	460V	◆○
	1800	586/7Z	50018ES3GKD580Z	43,375	K1	4637	555	95.2	64.949	460V	○★
	1200	586/7Z	50012ES3GKD580Z	53,026	K1	5115	660	95.0	64.949	460V	○★

- ELECTRICAL FEATURES ON PAGE B-17.
- MECHANICAL FEATURES ON PAGE B-59, B-61.

- = Roller Bearing
- ★ = Z-Frame; Bigger shaft diameter and bearings.
- ◆ = Product may not be available from stock

Tru-Metric™



SHAFT

Made of ASTM 1045 carbon steel, it is thermally treated to minimize internal stress, to resist bending and fatigue caused by torsion and flexing.

FRAME

Made of aluminum or FC-200 cast iron, with external fins for maximum cooling effect. Removable feet on aluminum frame.

NAMEPLATE

Dual Frequency (60/50Hz) stainless steel nameplate contains a complete and permanent record of all motor data.

FAN COVER

Steel covers on 63 up to 132M frames and cast iron on frames 160M and up.

TERMINAL BOX

Oversized, cast iron construction. Gasketed lid and between box and frame. NPT threads holes to connect conduit or cable glands.

FAN

Made of rigid plastic from frames 63 up to 315S/M and aluminum for frame 355M/L. Non sparking, non-toxic, resistant to environmental conditions, and ensures low noise operation.

ENDSHIELDS

Made of cast iron, with external fins for heat dissipation. They also have polished bearing housings for longer bearing life.

DRAIN PLUGS

Provided with automatic drain plug that quickly drains condensation

EYEBOLT

For easy handling, motors in 112 frames and larger are provided with an eyebolt. Footless motors are provided with two eyebolts.

DOUBLE OIL LIP SEALS

In both endshields to protect bearings and motor from the aggressive components present in the environment. Frames 280 and above provided with V-ring.

ROTOR

Aluminum die cast into a magnetic steel lamination for low electric losses. Dynamically balanced for smooth operation, reduced vibration and noise.

WINDING

All copper winding wire enameled with class 'H' polyester varnish.

BEARINGS

The bearings are dimensioned to ensure long life to the motor, even under heavy working conditions. The positive pressure lubrication system includes a drain that allows the outflow of excess grease on 160M frames up to 355M/L.

INCLUDES TERMINAL BLOCKS



IEC Motors

Tru-Metric™

Tru-Metric™ Frame - General Purpose Motors

THREE-PHASE – REMOVABLE FEET AND RIGID BASE

This line is designed and built according to European IEC 34 and IEC 79 Standards. The enclosure TEFC (IP55) is ideal for indoor and outdoor applications. These motors are tested according to IEEE 112 std., method 'B' and their efficiency values are certified according to EPACT regulations (CC029A).



HIGHLIGHTS

- Meets or exceeds EPACT requirement
- Aluminum frames with removable feet
- IEC 34 and IEC 79 standards

APPLICATIONS

- Blowers
- Compressors
- Pumps
- Conveyor
- Textiles
- Marine duty

OPTIONAL FEATURES

- Flanges
- Class 'H' insulation
- Taconite labyrinth seal
- Cable glands
- Space heaters
- Double shaft end
- Thermistor, Thermostats or RTD's (PT100)
- Drip cover (canopy) for shaft down applications
- Special painting plan for hostile environments
- Roller bearings on drive end

STANDARD FEATURES

- Efficiency Certification number CC029A according to US Department of Energy Regulations
- Three-phase, 60/50Hz
- Voltage: 230/460V (60Hz); 380-415V (50Hz)
- Aluminum frames with removable feet (63 up to 132M)
- Cast iron frames (63 up to 355M/L) with rigid base
- Squirrel cage rotor / Aluminum die cast
- Totally Enclosed Fan Cooled TEFC (IP55)
- Oil Seal on both endshields up to 250, V-ring for 280 and up.
- Class 'F' insulation
- Service Factor: 1.15 in 60Hz & 1.0 50Hz
- Constant Torque 4:1 and 10:1 Variable Torque
- Temperature rise: Class 'B' (80°C)
- Continuous Duty (S1)
- 104°F (40°C) ambient temperature
- Altitude: 3300 ft (1000 m)
- Stainless steel nameplate on both aluminum and cast iron frames
- Finish painting: Synthetic enamel alkyd resin base
- Color: Dark Grey (RAL 7022)
- Grease relief system in frame 160M and above
- Drilled and tapped shaft
- Automatic drain plug
- Standard mounting: F2 (B3R) Also available in F1 (B3L) and F0 (B3T)
- Terminal block
- Class 1, Div 2, Groups A, B, C & D, T3

* Ball bearings. Exception to 355M/L 4, 6 and 8 pole, with roller bearing in the drive end.



Note: Motors are tested according to IEEE 112 std. - method 'B' or C390 CSA. Energy efficiency motors verified by UL in addition to the DOE.



Tru-Metric™



FOOT MOUNT

kW	HP	RPM 60Hz/50Hz	IEC Frame	Catalog Number	List Price	Mult. Sym.	Approx. Shipp. Weight Lbs	FL Amps 460V	FL Eff. %	Voltage 60 Hz/ 50 Hz	Notes
0.18	0.25	3600 / 3000	63	.1836EP3EAL63	280	T1	11	0.48	68.0	230/460V // 380-415V	AL
		3600 / 3000	63	.1836EP3E63	280	T1	18	0.48	68.0	230/460V // 380-415V	◆
		1800 / 1500	63	.1818EP3EAL63	267	T1	13	0.51	69.0	230/460V // 380-415V	AL
		1800 / 1500	63	.1818EP3E63	267	T1	21	0.51	69.0	230/460V // 380-415V	◆
		1200 / 1000	71	.1812EP3EAL71	338	T1	16	0.77	61.0	230/460V // 380-415V	AL
		1200 / 1000	71	.1812EP3E71	338	T1	27	0.77	61.0	230/460V // 380-415V	◆
		900 / 750	80	.1809EP3EAL80	540	T1	22	0.80	50.5	230/460V // 380-415V	AL
		900 / 750	80	.1809EP3E80	540	T1	34	0.80	50.5	230/460V // 380-415V	◆
0.25	0.33	3600 / 3000	63	.2536EP3EAL63	286	T1	13	0.62	70.0	230/460V // 380-415V	AL
		3600 / 3000	63	.2536EP3E63	286	T1	18	0.62	70.0	230/460V // 380-415V	◆
		1800 / 1500	71	.2518EP3EAL71	282	T1	16	0.68	73.0	230/460V // 380-415V	AL
		1800 / 1500	71	.2518EP3E71	282	T1	27	0.68	73.0	230/460V // 380-415V	◆
		1200 / 1000	71	.2512EP3EAL71	363	T1	18	1.00	64.0	230/460V // 380-415V	AL
		1200 / 1000	71	.2512EP3E71	363	T1	29	1.00	64.0	230/460V // 380-415V	◆
		900 / 750	80	.2509EP3EAL80	583	T1	24	0.87	57.5	230/460V // 380-415V	AL
		900 / 750	80	.2509EP3E80	583	T1	36	0.87	57.5	230/460V // 380-415V	◆
0.37	0.5	3600 / 3000	71	.3736EP3EAL71	309	T1	15	0.83	73.0	230/460V // 380-415V	AL
		3600 / 3000	71	.3736EP3E71	309	T1	25	0.83	73.0	230/460V // 380-415V	◆
		1800 / 1500	71	.3718EP3EAL71	290	T1	16	1.06	73.0	230/460V // 380-415V	AL
		1800 / 1500	71	.3718EP3E71	290	T1	27	1.06	73.0	230/460V // 380-415V	◆
		1200 / 1000	80	.3712EP3EAL80	378	T1	21	1.07	64.0	230/460V // 380-415V	AL
		1200 / 1000	80	.3712EP3E80	378	T1	34	1.07	64.0	230/460V // 380-415V	◆
		900 / 750	90S	.3709EP3EAL90S	662	T1	36	1.35	61.5	230/460V // 380-415V	AL
		900 / 750	90S	.3709EP3E90S	662	T1	43	1.35	61.5	230/460V // 380-415V	◆
0.55	0.75	3600 / 3000	71	.5536EP3EAL71	316	T1	18	1.14	76.0	230/460V // 380-415V	AL
		3600 / 3000	71	.5536EP3E71	316	T1	27	1.14	76.0	230/460V // 380-415V	◆
		1800 / 1500	80	.5518EP3EAL80	333	T1	23	1.25	77.0	230/460V // 380-415V	AL
		1800 / 1500	80	.5518EP3E80	333	T1	34	1.25	77.0	230/460V // 380-415V	◆
		1200 / 1000	80	.5512EP3EAL80	405	T1	26	1.63	66.0	230/460V // 380-415V	AL
		1200 / 1000	80	.5512EP3E80	405	T1	38	1.63	66.0	230/460V // 380-415V	◆
		900 / 750	90L	.5509EP3EAL90L	696	T1	40	2.12	62.5	230/460V // 380-415V	AL
		900 / 750	90L	.5509EP3E90L	696	T1	49	2.12	62.5	230/460V // 380-415V	◆
0.75	1	3600 / 3000	80	.7536EP3EAL80	345	T1	23	1.42	79.0	230/460V // 380-415V	AL
		3600 / 3000	80	.7536EP3E80	345	T1	34	1.42	79.0	230/460V // 380-415V	◆
		1800 / 1500	80	.7518EP3EAL80	339	T1	26	1.51	80.0	230/460V // 380-415V	AL
		1800 / 1500	80	.7518EP3E80	339	T1	38	1.51	80.0	230/460V // 380-415V	◆
		1200 / 1000	90S	.7512EP3EAL90S	452	T1	34	1.71	80.0	230/460V // 380-415V	AL
		1200 / 1000	90S	.7512EP3E90S	452	T1	54	1.71	80.0	230/460V // 380-415V	◆
		900 / 750	100L	.7509EP3EAL100L	756	T1	52	2.31	74.0	230/460V // 380-415V	AL
		900 / 750	100L	.7509EP3E100L	756	T1	65	2.31	74.0	230/460V // 380-415V	◆

- ELECTRICAL FEATURES ON PAGE B-18-B-23.
- MECHANICAL FEATURES ON PAGE B-74-B-80.

AL= Aluminum Frame with removable feet

◆= Product may not be available from stock




FOOT MOUNT

kW	HP	RPM 60Hz/50Hz	IEC Frame	Catalog Number	List Price	Mult. Sym.	Approx. Shipp. Weight Lbs	FL Amps 460V	FL Eff. %	Voltage 60 Hz/ 50 Hz	Notes
1.1	1.5	3600 / 3000	80	00136EP3EAL80	370	T1	25	2.07	82.5	230/460V // 380-415V	AL
		3600 / 3000	80	00136EP3E80	370	T1	38	2.07	82.5	230/460V // 380-415V	◆
		1800 / 1500	90S	00118EP3EAL90S	409	T1	34	2.16	84.0	230/460V // 380-415V	AL
		1800 / 1500	90S	00118EP3E90S	409	T1	58	2.16	84.0	230/460V // 380-415V	◆
		1200 / 1000	90L	00112EP3EAL90L	649	T1	43	2.75	78.5	230/460V // 380-415V	AL
		1200 / 1000	90L	00112EP3E90L	649	T1	54	2.75	78.5	230/460V // 380-415V	◆
		900 / 750	100L	00109EP3EAL100L	767	T1	58	3.26	77.0	230/460V // 380-415V	AL
		900 / 750	100L	00109EP3E100L	767	T1	69	3.26	77.0	230/460V // 380-415V	◆
1.5	2	3600 / 3000	90S	00156EP3EAL90S	438	T1	35	2.70	84.0	230/460V // 380-415V	AL
		3600 / 3000	90S	00156EP3E90S	438	T1	47	2.70	84.0	230/460V // 380-415V	◆
		1800 / 1500	90L	00158EP3EAL90L	456	T1	43	2.99	84.0	230/460V // 380-415V	AL
		1800 / 1500	90L	00158EP3E90L	456	T1	56	2.99	84.0	230/460V // 380-415V	◆
		1200 / 1000	100L	00152EP3EAL100L	706	T1	69	3.73	81.5	230/460V // 380-415V	AL
		1200 / 1000	100L	00152EP3E100L	706	T1	76	3.73	81.5	230/460V // 380-415V	◆
		900 / 750	112M	00159EP3EAL112M	870	T1	86	4.08	82.5	230/460V // 380-415V	AL
		900 / 750	112M	00159EP3E112M	870	T1	108	4.08	82.5	230/460V // 380-415V	◆
2.2	3	3600 / 3000	90L	00236EP3EAL90L	657	T1	36	4.14	85.5	230/460V // 380-415V	AL
		3600 / 3000	90L	00236EP3E90L	657	T1	54	4.14	85.5	230/460V // 380-415V	◆
		1800 / 1500	100L	00218EP3EAL100L	548	T1	74	4.44	87.5	230/460V // 380-415V	AL
		1800 / 1500	100L	00218EP3E100L	548	T1	102	4.44	87.5	230/460V // 380-415V	◆
		1200 / 1000	112M	00212EP3EAL112M	972	T1	108	4.69	86.5	230/460V // 380-415V	AL
		1200 / 1000	112M	00212EP3E112M	972	T1	124	4.69	86.5	230/460V // 380-415V	◆
		900 / 750	132S	00209EP3EAL132S	1,228	T1	145	4.70	84.0	230/460V // 380-415V	AL
		900 / 750	132S	00209EP3E132S	1,228	T1	167	4.70	84.0	230/460V // 380-415V	◆
3	4	3600 / 3000	100L	00336EP3EAL100L	700	T1	58	5.21	84.0	230/460V // 380-415V	AL
		3600 / 3000	100L	00336EP3E100L	700	T1	76	5.21	84.0	230/460V // 380-415V	◆
		1800 / 1500	100L	00318EP3EAL100L	584	T1	74	5.89	87.5	230/460V // 380-415V	AL
		1800 / 1500	100L	00318EP3E100L	584	T1	102	5.89	87.5	230/460V // 380-415V	◆
		1200 / 1000	132S	00312EP3AL132S	1,039	T1	155	6.83	87.5	230/460V // 380-415V	AL
		1200 / 1000	132S	00312EP3132S	1,039	T1	161	6.83	87.5	230/460V // 380-415V	◆
		900 / 750	132M	00309EP3EAL132M	1,400	T1	167	6.40	84.0	230/460V // 380-415V	AL
		900 / 750	132M	00309EP3E132M	1,400	T1	185	6.40	84.0	230/460V // 380-415V	◆
4	5.5	3600 / 3000	112M	00436EP3EAL112M	760	T1	80	6.83	87.5	230/460V // 380-415V	AL
		3600 / 3000	112M	00436EP3E112M	760	T1	110	6.83	87.5	230/460V // 380-415V	◆
		1800 / 1500	112M	00418EP3EAL112M	590	T1	99	7.19	89.5	230/460V // 380-415V	AL
		1800 / 1500	112M	00418EP3E112M	590	T1	117	7.19	89.5	230/460V // 380-415V	◆
		1200 / 1000	132M	00412EP3EAL132M	1,090	T1	143	8.44	87.5	230/460V // 380-415V	AL
		1200 / 1000	132M	00412EP3E132M	1,090	T1	163	8.44	87.5	230/460V // 380-415V	◆
		900 / 750	160M	00409EP3E160M	1,693	T1	269	9.63	85.5	230/460V // 380-415V	

- ELECTRICAL FEATURES ON PAGE B-18-B-23.
- MECHANICAL FEATURES ON PAGE B-74-B-80.

AL= Aluminum Frame with removable feet

◆ = Product may not be available from stock



Tru-Metric™



FOOT MOUNT

kW	HP	RPM 60Hz/50Hz	IEC Frame	Catalog Number	List Price	Mult. Sym.	Approx. Shipp. Weight Lbs	FL Amps 460V	FL Eff. %	Voltage 60 Hz/ 50 Hz	Notes
5.5	7.5	3600 / 3000	132S	00536EP3EAL132S	995	T1	123	8.97	88.5	230/460V // 380-415V	AL
		3600 / 3000	132S	00536EP3E132S	995	T1	150	8.97	88.5	230/460V // 380-415V	◆
		1800 / 1500	132S	00518EP3EAL132S	810	T1	101	9.29	89.5	230/460V // 380-415V	AL
		1800 / 1500	132S	00518EP3E132S	810	T1	156	9.29	89.5	230/460V // 380-415V	◆
		1200 / 1000	132M	00512EP3EAL132M	1,504	T1	167	11.3	87.5	230/460V // 380-415V	AL
		1200 / 1000	132M	00512EP3E132M	1,504	T1	187	11.3	87.5	230/460V // 380-415V	◆
		900 / 750	160M	00509EP3E160M	1,951	T1	304	13.5	85.5	230/460V // 380-415V	
7.5	10	3600 / 3000	132S	00736EP3EAL132S	1,123	T1	123	12.4	89.5	230/460V // 380-415V	AL
		3600 / 3000	132S	00736EP3E132S	1,123	T1	163	12.4	89.5	230/460V // 380-415V	◆
		1800 / 1500	132M	00718EP3EAL132M	965	T1	161	12.7	89.5	230/460V // 380-415V	AL
		1800 / 1500	132M	00718EP3E132M	965	T1	189	12.7	89.5	230/460V // 380-415V	◆
		1200 / 1000	160M	00712EP3E160M	1,960	T1	302	14.2	89.5	230/460V // 380-415V	
		900 / 750	160L	00709EP3E160L	2,412	T1	346	15.2	88.5	230/460V // 380-415V	
11	15	3600 / 3000	160M	01136EP3E160M	1,787	T1	269	18.9	90.2	230/460V // 380-415V	
		1800 / 1500	160M	01118EP3E160M	1,467	T1	302	20.0	91.0	230/460V // 380-415V	
		1200 / 1000	160L	01112EP3E160L	2,686	T1	326	21.6	90.2	230/460V // 380-415V	
		900 / 750	180L	01109EP3E180L	3,505	T1	444	20.3	89.5	230/460V // 380-415V	
15	20	3600 / 3000	160 M	01536EP3E160M	2,051	T1	271	25.1	90.2	230/460V // 380-415V	
		1800 / 1500	160 L	01518EP3E160L	1,800	T1	313	26.9	91.0	230/460V // 380-415V	
		1200 / 1000	180 L	01512EP3E180L	3,301	T1	499	23.5	92.0	230/460V // 380-415V	
		900 / 750	200 L	01509EP3E200L	4,485	T1	541	30.9	89.5	230/460V // 380-415V	
18.5	25	3600 / 3000	160 L	01836EP3E160L	2,486	T1	313	30.0	91.0	230/460V // 380-415V	
		1800 / 1500	180 M	01818EP3E180M	2,286	T1	426	31.8	92.4	230/460V // 380-415V	
		1200 / 1000	200 L	01812EP3E200L	4,153	T1	539	31.7	91.7	230/460V // 380-415V	
		900 / 750	225 S/M	01809EP3E225S/M	5,270	T1	860	30.9	91.7	230/460V // 380-415V	
22	30	3600 / 3000	180 M	02236EP3E180M	2,968	T1	437	35.7	91.0	230/460V // 380-415V	
		1800 / 1500	180 L	02218EP3E180L	2,741	T1	470	36.9	92.4	230/460V // 380-415V	
		1200 / 1000	200 L	02212EP3E200L	4,185	T1	607	37.4	92.4	230/460V // 380-415V	
		900 / 750	225 S/M	02209EP3E225S/M	6,702	T1	915	37.4	92.4	230/460V // 380-415V	
30	40	3600 / 3000	200 L	03036EP3E200L	4,145	T1	585	48.5	92.4	230/460V // 380-415V	
		1800 / 1500	200 L	03018EP3E200L	3,665	T1	574	51.2	93.0	230/460V // 380-415V	
		1200 / 1000	225 S/M	03012EP3E225S/M	6,744	T1	917	50.6	93.0	230/460V // 380-415V	
		900 / 750	250 S/M	03009EP3E250S/M	7,909	T1	1125	50.6	93.0	230/460V // 380-415V	
37	50	3600 / 3000	200 L	03736EP3E200L	4,664	T1	618	59.1	92.4	230/460V // 380-415V	
		1800 / 1500	225 S/M	03718EP3E225S/M	5,936	T1	1003	58.1	93.0	230/460V // 380-415V	
		1200 / 1000	250 S/M	03712EP3E250S/M	8,725	T1	1147	60.9	93.0	230/460V // 380-415V	
		900 / 750	280 S/M	03709EP3E280S/M	10,492	T1	1565	64.4	92.4	230/460V // 380-415V	
45	60	3600 / 3000	225 S/M	04536EP3E225S/M	6,767	T1	959	67.5	93.0	230/460V // 380-415V	
		1800 / 1500	225 S/M	04518EP3E225S/M	6,282	T1	992	67.8	93.6	230/460V // 380-415V	
		1200 / 1000	280 S/M	04512EP3E280S/M	9,669	T1	1521	73.2	94.1	460V // 380-415V	
		900 / 750	280 S/M	04509EP3E280S/M	11,442	T1	1565	80.0	94.1	460V // 380-415V	

IEC
TRU-METRIC™

- ELECTRICAL FEATURES ON PAGE B-18-B-23.
- MECHANICAL FEATURES ON PAGE B-74-B-80.

AL= Aluminum Frame with removable feet

◆ = Product may not be available from stock




FOOT MOUNT

kW	HP	RPM 60Hz/50Hz	IEC Frame	Catalog Number	List Price	Mult. Sym.	Approx. Shipp. Weight Lbs	FL Amps 460V	FL Eff. %	Voltage 60 Hz/ 50 Hz	Notes
55	75	3600 / 3000	250 S/M	05536EP3E250S/M	8,373	T1	1235	81.6	93.0	230/460V // 380-415V	
		1800 / 1500	250 S/M	05518EP3E250S/M	7,617	T1	1147	83.4	94.1	230/460V // 380-415V	
		1200 / 1000	280 S/M	05512EP3E280S/M	11,053	T1	1620	89.1	94.5	460V // 380-415V	
		900 / 750	315 S/M	05509EP3E315S/M	13,731	T1	1808	93.7	94.5	460V // 380-415V	
75	100	3600 / 3000	280 S/M	07536EP3E280S/M	10,601	T1	1863	116	93.6	460V // 380-415V	
		3600 / 3000	280 S/M	07536EP3G280S/M	10,601	T1	1863	116	93.6	460V // 380-415V	
		1800 / 1500	280 S/M	07518EP3E280S/M	10,500	T1	1631	114	94.5	460V // 380-415V	
		1800 / 1500	280 S/M	07518EP3G280S/M	10,500	T1	1631	114	94.5	460V // 380-415V	
		1200 / 1000	315 S/M	07512EP3E315S/M	14,007	T1	1797	117	95.0	460V // 380-415V	
		1200 / 1000	315 S/M	07512EP3G315S/M	14,007	T1	1797	117	95.0	460V // 380-415V	
		900 / 750	315 S/M	07509EP3E315S/M	16,649	T1	2205	133	93.0	460V // 380-415V	
		900 / 750	315 S/M	07509EP3G315S/M	16,649	T1	2205	133	93.0	460V // 380-415V	
90	125	3600 / 3000	280 S/M	09036EP3G280S/M	14,212	T1	1808	136	94.5	460V // 380-415V	
		1800 / 1500	280 S/M	09018EP3G280S/M	12,937	T1	1929	137	94.5	460V // 380-415V	
		1200 / 1000	315 S/M	09012EP3G315S/M	16,531	T1	1984	140	95.0	460V // 380-415V	
		900 / 750	315 S/M	09009EP3G315S/M	19,007	T1	2315	148	95.4	460V // 380-415V	
110	150	3600 / 3000	315 S/M	11036EP3G315S/M	17,865	T1	2028	166	94.5	460V // 380-415V	
		1800 / 1500	280 S/M	11018EP3G280S/M	14,516	T1	2028	167	95.0	460V // 380-415V	
		1200 / 1000	315 S/M	11012EP3G315S/M	18,105	T1	2359	182	95.0	460V // 380-415V	
		900 / 750	355 M/L	11009EP3G355M/L	24,920	T1	3462	191	94.1	460V // 380-415V	
132	175	3600 / 3000	315 S/M	13236EP3G315S/M	19,703	T1	2183	197	94.5	460V // 380-415V	
		1800 / 1500	315 S/M	13218EP3G315S/M	16,772	T1	2392	205	95.0	460V // 380-415V	
		1200 / 1000	355 M/L	13212EP3G355M/L	24,315	T1	3411	221	95.0	460V // 380-415V	
		900 / 750	355 M/L	13209EP3G355M/L	30,078	T1	3583	229	94.1	460V // 380-415V	
150	200	3600 / 3000	315 S/M	15036EP3G315S/M	22,312	T1	2381	220	95.0	460V // 380-415V	
		1800 / 1500	315 S/M	15018EP3G315S/M	18,506	T1	2403	233	95.0	460V // 380-415V	
		1200 / 1000	355 M/L	15012EP3G355M/L	28,480	T1	3705	248	95.0	460V // 380-415V	
		900 / 750	355 M/L	15009EP3G355M/L	38,314	T1	3903	257	94.1	460V // 380-415V	
185	250	3600 / 3000	315 S/M	18536EP3G315S/M	23,687	T1	2381	277	95.4	460V // 380-415V	
		1800 / 1500	315 S/M	18518EP3G315S/M	23,435	T1	2414	294	95.0	460V // 380-415V	
		1200 / 1000	355 M/L	18512EP3G355M/L	38,854	T1	3925	306	95.0	460V // 380-415V	
		900 / 750	355 M/L	18509EP3G355M/L	41,203	T1	4542	315	94.5	460V // 380-415V	
220	300	3600 / 3000	355 M/L	22036EP3G355M/L	39,475	T1	4035	318	95.4	460V // 380-415V	
		1800 / 1500	355 M/L	22018EP3G355M/L	32,352	T1	3969	333	95.4	460V // 380-415V	
		1200 / 1000	355 M/L	22012EP3G355M/L	41,020	T1	4355	368	95.0	460V // 380-415V	
		900 / 750	355 M/L	22009EP3G355M/L	51,705	T1	4653	370	94.5	460V // 380-415V	
260	350	3600 / 3000	355 M/L	26036EP3G355M/L	45,212	T1	4146	372	95.4	460V // 380-415V	
		1800 / 1500	355 M/L	26018EP3G355M/L	39,072	T1	3440	393	95.4	460V // 380-415V	
		1200 / 1000	355 M/L	26012EP3G355M/L	47,322	T1	4410	429	95.0	460V // 380-415V	
300	400	1800 / 1500	355 M/L	30018EP3G355M/L	42,828	T1	4300	449	95.4	460V // 380-415V	●
		1200 / 1000	355 M/L	30012EP3G355M/L	53,832	T1	4476	483	95.0	460V // 380-415V	●
330	450	1200 / 1000	355 M/L	33012EP3G355M/L	57,640	T1	4587	545	95.0	460V // 380-415V	●

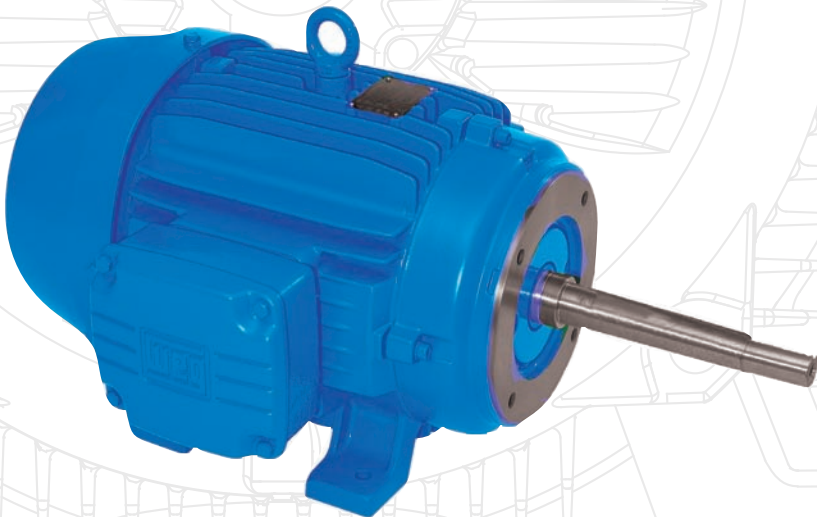
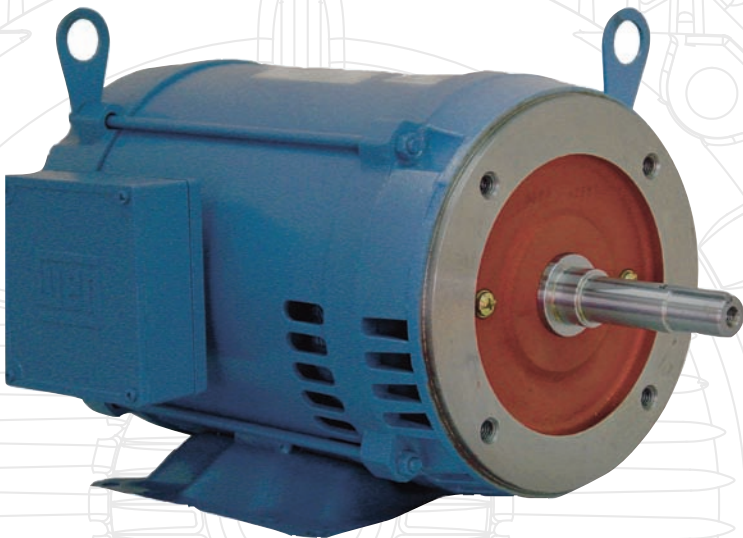
AL = Aluminium frame - with removable feet

CI = Cast Iron frame - fixed or standard base

- ELECTRICAL FEATURES ON PAGE B-18-B-23.
- MECHANICAL FEATURES ON PAGE B-74-B-80.

● = Roller Bearing





PUMP
MOTORS





Pump Motors Jet Pump

SINGLE PHASE

These versatile motors have the torque and durability for the toughest commercial applications, yet are also economical choices for residential applications. The motors are available with or without base and in Form J or C configurations.



ODP

APPLICATIONS

- Commercial and Industrial pumps
- Residential pumps
(Jacuzzis, pools, hot tubs)
- Jet Pump motor system
- Hydraulic pumps

OPTIONAL FEATURES

- 4 pole
- Class "F" insulation
- Special voltages
- Drip cover
- Rotation: CW (viewed from shaft end)
- Other mounting configurations

STANDARD FEATURES

- Single-phase, 2 pole, 60Hz
- Voltage: 115/208-230V
- Squirrel cage rotor
- Start capacitor
- Sealed ball bearings (drive end)
- Fan cooled (internally)
- Service factor according to NEMA standard MG 1-18.329
- Insulation class 'B' (130°C)
- Automatic Thermal Overload (ATO)
- Continuous duty (S1), 40°C ambient
- Standard: NEMA-MG 1-18.326
- Stainless steel shaft end
- Color: Munsell N1 (Black)
- Counter Clock-wise, viewed from shaft end

HIGHLIGHTS

- Single and two-speed available
- Space Heaters
- Multiple endbell drains
- External and Internal Epoxy Paint
- External Slinger (Umbrella Seal)

All motors are tested according to IEEE 12 Std. – Method 'B' or C390 CSA.



THREADED – WITH BASE – ODP SINGLE-PHASE

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	"C" Dimension (in.)	Voltage	NOTES
1/3	3600	56J	.33360S1BJP56J	254	P1B	21	1.75	3.50	10.732	115/208-230V	\$
1/2	3600	56J	.50360S1BJP56J	258	P1B	24	1.60	4.70	11.126	115/208-230V	\$
3/4	3600	56J	.75360S1BJP56J	296	P1B	32	1.50	5.70	11.913	115/208-230V	\$
1	3600	56J	001360S1BJP56J	334	P1B	36	1.40	6.10	12.031	115/208-230V	\$
1 1/2	3600	56J	001560S1BJP56J	382	P1B	40	1.30	8.50	13.212	115/208-230V	\$
2	3600	56HJ	002360S1BJP56J	438	P1B	48	1.20	10.8	14.000	115/208-230V	\$
3	3600	56HJ	003360S1DJP56J	499	P1B	53	1.15	13.8	14.787	230V	\$

- ELECTRICAL FEATURES ON PAGE B-31.
- MECHANICAL FEATURES ON PAGE B-78.

\$ = Automatic Thermal Overload



THREADED – LESS BASE – ODP SINGLE-PHASE

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs	Service Factor	FL Amps 230V	"C" Dimension (in.)	Voltage	Notes
1/2	3600	56J	.5036OS1BJPR56J	258	P1B	24	1.60	4.70	11.126	115/208-230V	\$
3/4	3600	56J	.7536OS1BJPR56J	296	P1B	32	1.50	5.70	11.913	115/208-230V	\$
1	3600	56J	00136OS1BJPR56J	334	P1B	36	1.40	6.10	12.031	115/208-230V	\$
1 1/2	3600	56J	00156OS1BJPR56J	382	P1B	40	1.30	8.50	13.212	115/208-230V	\$
2	3600	56HJ	00236OS1BJPR56J	438	P1B	48	1.20	10.8	14.000	115/208-230V	\$
3	3600	56HJ	00336OS1DJPR56J	499	P1B	53	1.15	13.8	14.787	230V	\$

• ELECTRICAL FEATURES ON PAGE B-31. • MECHANICAL FEATURES ON PAGE B-78.



KEYED – 'C' FACE LESS BASE – ODP SINGLE-PHASE

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	Service Factor	FL Amps 230V	"C" Dimension (in.)	Voltage	NOTES
1/3	3600	56C	.3336OS1BJPR56C	237	P1A	21	1.75	3.50	10.232	115/208-230V	\$
1/2	3600	56C	.5036OS1BJPR56C	255	P1A	24	1.60	4.70	10.826	115/208-230V	\$
3/4	3600	56C	.7536OS1BJPR56C	297	P1A	32	1.50	5.70	11.413	115/208-230V	\$
1	3600	56C	00136OS1BJPR56C	317	P1A	36	1.40	6.10	11.531	115/208-230V	\$
1 1/2	3600	56C	00156OS1BJPR56C	338	P1A	40	1.30	8.50	12.712	115/208-230V	\$
2	3600	56HC	00236OS1BJPR56C	424	P1A	48	1.20	10.8	13.500	115/208-230V	\$
3	3600	56HC	00336OS1DJPR56C	482	P1A	53	1.15	13.8	14.287	230V	\$

• ELECTRICAL FEATURES ON PAGE B-31. • MECHANICAL FEATURES ON PAGE B-78.

THREADED – WITH BASE – TEFC SINGLE-PHASE

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	Service Factor	FL Amps 230V	"C" Dimension (in.)	Voltage	NOTES
1/3	3600	56J	.3336ES1BJP56J	282	P1B	36	1.15	2.80	11.996	115/208-230V	\$
1/2	3600	56J	.5036ES1BJP56J	300	P1B	40	1.15	3.80	11.996	115/208-230V	\$
3/4	3600	56J	.7536ES1BJP56J	330	P1B	41	1.15	5.30	11.996	115/208-230V	\$
1	3600	56J	00136ES1BJP56J	374	P1B	46	1.15	6.30	13.150	115/208-230V	\$
1 1/2	3600	56J	00156ES1BJP56J	425	P1B	56	1.15	8.50	13.150	115/208-230V	\$
2	3600	56HJ	00236ES1BJP56J	486	P1B	65	1.15	10.5	14.330	115/208-230V	\$
3	3600	56HJ	00336ES1DJP56J	557	P1B	78	1.00	13.5	14.724	230V	\$

• ELECTRICAL FEATURES ON PAGE B-31. • MECHANICAL FEATURES ON PAGE B-80.

\$ = Automatic Thermal Overload

THREADED – LESS BASE – TEFC SINGLE-PHASE

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	Service Factor	FL Amps 230V	“C” Dimension (in.)	Voltage	NOTES
1/3	3600	56J	.3336ES1BJPR56J	296	P1B	36	1.15	2.80	11.996	115/208-230V	\$
1/2	3600	56J	.5036ES1BJPR56J	305	P1B	40	1.15	3.80	11.996	115/208-230V	\$
3/4	3600	56J	.7536ES1BJPR56J	336	P1B	41	1.15	5.30	11.996	115/208-230V	\$
1	3600	56J	00136ES1BJPR56J	386	P1B	46	1.15	6.30	13.150	115/208-230V	\$
1 1/2	3600	56J	00156ES1BJPR56J	438	P1B	56	1.15	8.50	13.150	115/208-230V	\$
2	3600	56HJ	00236ES1BJPR56J	498	P1B	65	1.15	10.5	14.330	115/208-230V	\$
3	3600	56HJ	00336ES1DJPR56J	573	P1B	78	1.00	13.5	14.724	230V	\$

• ELECTRICAL FEATURES ON PAGE B-31. • MECHANICAL FEATURES ON PAGE B-80.

KEYED – ‘C’ FACE WITH BASE – TEFC SINGLE-PHASE

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	Service Factor	FL Amps 230V	“C” Dimension (in.)	Voltage	NOTES
1/3	3600	56C	.3336ES1BJP56C	263	P1A	36	1.15	2.80	11.496	115/208-230V	\$
1/2	3600	56C	.5036ES1BJP56C	284	P1A	40	1.15	3.80	11.496	115/208-230V	\$
3/4	3600	56C	.7536ES1BJP56C	320	P1A	41	1.15	5.30	11.496	115/208-230V	\$
1	3600	56C	00136ES1BJP56C	344	P1A	46	1.15	6.30	12.677	115/208-230V	\$
1 1/2	3600	56C	00156ES1BJP56C	412	P1A	56	1.15	8.50	12.677	115/208-230V	\$
2	3600	56HC	00236ES1BJP56C	487	P1A	65	1.15	10.5	13.858	115/208-230V	\$
3	3600	56HC	00336ES1DJP56C*	548	P1A	78	1.00	13.5	14.252	230V	\$

• ELECTRICAL FEATURES ON PAGE B-31. • MECHANICAL FEATURES ON PAGE B-80.

KEYED – ‘C’ FACE LESS BASE – TEFC SINGLE-PHASE

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	Service Factor	FL Amps 230V	“C” Dimension (in.)	Voltage	NOTES
1/3	3600	56C	.3336ES1BJPR56C	282	P1A	36	1.15	2.80	11.496	115/208-230V	\$
1/2	3600	56C	.5036ES1BJPR56C	299	P1A	40	1.15	3.80	11.496	115/208-230V	\$
3/4	3600	56C	.7536ES1BJPR56C	341	P1A	41	1.15	5.30	11.496	115/208-230V	\$
1	3600	56C	00136ES1BJPR56C	357	P1A	46	1.15	6.30	12.677	115/208-230V	\$
1 1/2	3600	56C	00156ES1BJPR56C	432	P1A	56	1.15	8.50	12.677	115/208-230V	\$
2	3600	56HC	00236ES1BJPR56C	494	P1A	65	1.15	10.5	13.858	115/208-230V	\$
3	3600	56HC	00336ES1DJPR56C*	555	P1A	78	1.00	13.5	14.252	230V	\$

• ELECTRICAL FEATURES ON PAGE B-31. • MECHANICAL FEATURES ON PAGE B-80.

= Automatic Thermal Overload

\$

THREE PHASE

These versatile motors have the torque and durability for the toughest commercial applications, yet are also economical choices for residential applications. The motors are available with or without base and in Form J or C configurations.



ODP



TEFC

APPLICATIONS

- Commercial and Industrial pumps
- Residential pumps (Jacuzzis, pools, hot tubs)
- Jet pump motor system
- Hydraulic pumps

OPTIONAL FEATURES

- 4 Pole
- Class 'F' insulation
- Special voltages
- Drip cover
- Automatic Overload Protection
- Other mounting configurations

All motors are tested according to IEEE 112 std.
- method "B" or C390 CSA.

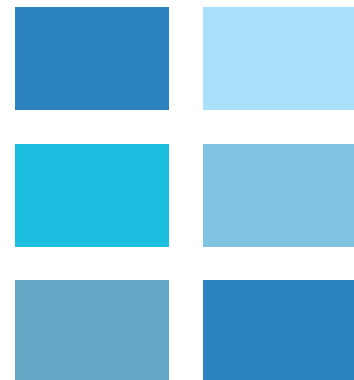
STANDARD FEATURES

- Three-phase, 2 pole, 60Hz
- Voltage: 208-230/460V
- Squirrel cage rotor
- Ball bearings
- Fan cooled (internally)
- Service factor according to NEMA standard MG 1-18.329
- Insulation Class 'B' – ODP
- Insulation Class 'F' – TEFC
- Standard: NEMA-MG 1-18.326
- Rotation: Reversible
- Stainless steel shaft end
- Threaded center hole
- Color: Munsell N1 (Black)



HIGHLIGHTS

- Specially dimensioned shaft
 - Second shaft end
- Stainless steel shaft
 - Footless
- Other mounting configuration
- Manual or Automatic thermal overload protection



THREADED – WITH BASE – ODP THREE PHASE

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	Service Factor	FL Amps 230V	"C" Dimension (in.)	Voltage	NOTES
1/3	3600	56J	.33360S3EJP56J	224	P1B	23	1.75	0.75	59.0	10.985	208-230/460V
1/2	3600	56J	.50360S3EJP56J	236	P1B	24	1.60	1.05	61.0	10.985	208-230/460V
3/4	3600	56J	.75360S3EJP56J	271	P1B	26	1.50	1.35	66.0	11.733	208-230/460V
1	3600	56J	001360S3EJP56J	286	P1B	29	1.40	1.65	69.0	11.733	208-230/460V
1 1/2	3600	56J	001560S3EJP56J	296	P1B	34	1.30	2.37	71.2	12.993	208-230/460V
2	3600	56J	002360S3EJP56J	316	P1B	39	1.20	2.85	75.0	12.993	208-230/460V
3	3600	56HJ	003360S3EJP56J	339	P1B	45	1.15	4.05	77.0	14.174	208-230/460V

- ELECTRICAL FEATURES ON PAGE B-31.
- MECHANICAL FEATURES ON PAGE B-79.



THREADED – LESS BASE – ODP THREE PHASE

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	Service Factor	FL Amps 460	“C” Dimension (in.)	Voltage	NOTES
1/3	3600	56J	.33360S3EJPR56J	229	P1B	23	1.75	0.75	10.985	208-230/460V	
1/2	3600	56J	.50360S3EJPR56J	241	P1B	24	1.60	1.05	10.985	208-230/460V	
3/4	3600	56J	.75360S3EJPR56J	278	P1B	26	1.50	1.35	11.733	208-230/460V	
1	3600	56J	001360S3EJPR56J	287	P1B	29	1.40	1.65	11.733	208-230/460V	
1 1/2	3600	56J	001560S3EJPR56J	305	P1B	34	1.30	2.37	12.993	208-230/460V	
2	3600	56J	002360S3EJPR56J	321	P1B	39	1.20	2.85	12.993	208-230/460V	
3	3600	56HJ	003360S3EJPR56J	350	P1B	45	1.15	4.05	14.174	208-230/460V	

- ELECTRICAL FEATURES ON PAGE B-31.
- MECHANICAL FEATURES ON PAGE B-79.



KEYED – C-FACE LESS BASE – ODP THREE PHASE

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	Service Factor	FL Amps 460	“C” Dimension (in.)	Voltage	NOTES
1/3	3600	56C	.33360S3EJPR56C	220	P1A	23	1.75	0.75	10.315	208-230/460V	
1/2	3600	56C	.50360S3EJPR56C	224	P1A	24	1.60	1.05	10.315	208-230/460V	
3/4	3600	56C	.75360S3EJPR56C	257	P1A	26	1.50	1.35	11.103	208-230/460V	
1	3600	56C	001360S3EJPR56C	274	P1A	29	1.40	1.65	11.103	208-230/460V	
1 1/2	3600	56C	001560S3EJPR56C	290	P1A	34	1.30	2.37	12.284	208-230/460V	
2	3600	56C	002360S3EJPR56C	311	P1A	39	1.20	2.85	12.284	208-230/460V	
3	3600	56HC	003360S3EJPR56C	332	P1A	45	1.15	4.05	13.645	208-230/460V	

- ELECTRICAL FEATURES ON PAGE B-31.
- MECHANICAL FEATURES ON PAGE B-80.



THREADED – WITH BASE – TEFC THREE PHASE

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	Service Factor	FL Amps 460	“C” Dimension (in.)	Voltage	NOTES
1/3	3600	56J	.3336ES3EJP56J	259	P1B	33	1.15	0.62	11.996	208-230/460V	
1/2	3600	56J	.5036ES3EJP56J	267	P1B	36	1.15	0.81	11.996	208-230/460V	
3/4	3600	56J	.7536ES3EJP56J	301	P1B	40	1.15	1.09	11.996	208-230/460V	
1	3600	56J	00136ES3EJP56J	344	P1B	44	1.15	1.44	11.996	208-230/460V	
1 1/2	3600	56J	00156ES3EJP56J	374	P1B	48	1.15	1.97	11.996	208-230/460V	
2	3600	56J	00236ES3EJP56J	421	P1B	58	1.15	2.67	13.150	208-230/460V	
3	3600	56HJ	00336ES3EJP56J	489	P1B	67	1.00	3.80	14.330	208-230/460V	

- ELECTRICAL FEATURES ON PAGE B-31.
- MECHANICAL FEATURES ON PAGE B-80.



THREADED – LESS BASE – TEFC THREE PHASE

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	Service Factor	FL Amps 460	"C" Dimension (in.)	Voltage	NOTES
1/3	3600	56J	.3336ES3EJPR56J	268	P1B	33	1.15	0.62	11.996	208-230/460V	
1/2	3600	56J	.5036ES3EJPR56J	282	P1B	36	1.15	0.81	11.996	208-230/460V	
3/4	3600	56J	.7536ES3EJPR56J	319	P1B	40	1.15	1.09	11.996	208-230/460V	
1	3600	56J	00136ES3EJPR56J	346	P1B	44	1.15	1.44	11.996	208-230/460V	
1 1/2	3600	56J	00156ES3EJPR56J	378	P1B	48	1.15	1.97	11.996	208-230/460V	
2	3600	56J	00236ES3EJPR56J	430	P1B	58	1.15	2.67	13.150	208-230/460V	
3	3600	56HJ	00336ES3EJPR56J	503	P1B	67	1.00	3.80	14.330	208-230/460V	

- ELECTRICAL FEATURES ON PAGE B-31.
- MECHANICAL FEATURES ON PAGE B-80.



KEYED – 'C' FACE LESS BASE – TEFC THREE PHASE

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	Service Factor	FL Amps 460	"C" Dimension (in.)	Voltage	NOTES
1/3	3600	56C	.3336ES3EJPR56C	257	P1A	33	1.15	0.62	11.496	208-230/460V	
1/2	3600	56C	.5036ES3EJPR56C	270	P1A	36	1.15	0.81	11.496	208-230/460V	
3/4	3600	56C	.7536ES3EJPR56C	293	P1A	40	1.15	1.09	11.496	208-230/460V	
1 1/2	3600	56C	00156ES3EJPR56C	371	P1A	48	1.15	1.97	11.496	208-230/460V	
2	3600	56C	00236ES3EJPR56C	401	P1A	58	1.15	2.67	12.677	208-230/460V	
3	3600	56HC	00336ES3EJPR56C	480	P1A	67	1.00	3.80	13.858	208-230/460V	

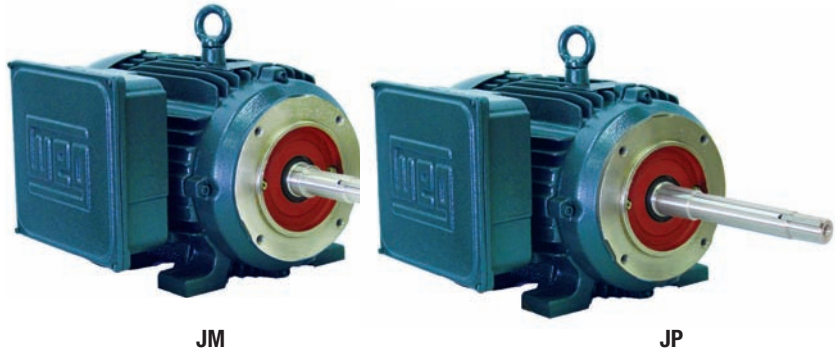
- ELECTRICAL FEATURES ON PAGE B-31.
- MECHANICAL FEATURES ON PAGE B-80.



Pump Motors Close Coupled

TEFC – SINGLE PHASE

WEG single-phase totally enclosed motors are specifically designed for operating in environments of dirt, dust and excess moisture. Starting capacitors, all cast iron frames, rigid bases, reversible shaft rotation and oversized ball bearings are all standard features. NEMA-T, NEMA 48 & 56 AND IEC METRIC FRAMES ARE ALSO AVAILABLE.



JM

JP

HIGHLIGHTS

- Cast Iron Flange

APPLICATIONS

- Pumps

OPTIONAL FEATURES

- Special voltages
- Specially designed shaft
- Second shaft end
- Thermistors or thermostats
- Drip cover (canopy) for shaft down applications
- Stainless steel shaft
- Flange mount

STANDARD FEATURES

- Single-phase, 2 and 4 pole 60Hz
- Voltage: 208-230/460V
- Cast iron frame
- Squirrel cage rotor / Aluminum die cast
- Totally Enclosed Fan Cooled - TEFC (IP55)
- Ball bearings
- NEMA dimensions
- Class 'F' insulation
- Service Factor: 1.15
- Continuous Duty (S1)
- 104°F (40°C) ambient temperature
- Altitude: 3300 ft (1000 m)
- 1045 carbon steel shaft
- F1 mount
- Stainless steel nameplate
- Paint: Enamel alkyd resin base
- Color: RAL 7022 (Dark Gray)
- NPT threaded terminal box
- Automatic drain plugs

All motors are tested according to IEEE 112 Std. – Method 'B' or C390 CSA.



CLOSE COUPLED PUMP MOTORS



“JM” TYPE – TEFC – SINGLE PHASE

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	“C” Dimension (in.)	Voltage	NOTES
0.5	3600	143JM	.5036ES1E143JM	668	P1	26	1.70	71.3	15.458	208-230/460V	
1	3600	143JM	00136ES1E143JM	682	P1	33	2.90	74.5	15.458	208-230/460V	
	1800	143JM	00118ES1E143JM	687	P1	37	2.85	69.8	15.458	208-230/460V	
1.5	3600	143JM	00156ES1E143JM	729	P1	37	3.60	81.3	15.458	208-230/460V	
	1800	145JM	00158ES1E145JM	754	P1	49	3.50	76.8	16.458	208-230/460V	
2	3600	145JM	00236ES1E145JM	770	P1	45	4.45	86.2	16.458	208-230/460V	
	1800	145JM	00218ES1E145JM	814	P1	54	4.50	79.6	16.458	208-230/460V	
3	3600	145JM	00336ES1E145JM	1,076	P1	52	6.50	80.0	16.458	208-230/460V	
	3600	145JM	00336ES1C145JM	1,076	P1	52	6.50	80.0	16.458	208-230V	
	1800	184JM	00318ES1E184JM	1,182	P1	131	7.25	77.2	17.368	208-230/460V	
5	3600	184JM	00536ES1E184JM	1,457	P1	115	10.5	83.0	17.368	208-230/460V	
	3600	184JM	00536ES1C184JM	1,457	P1	115	10.5	83.0	17.368	208-230V	
	1800	184JM	00518ES1E184JM	1,430	P1	153	10.5	79.4	17.368	208-230/460V	
7.5	3600	213JM	00736ES1E213JM	1,641	P1	139	16.0	84.0	18.904	208-230/460V	
	3600	213JM	00736ES1C213JM	1,641	P1	139	16.0	84.0	18.904	208-230V	
	1800	215JM	00718ES1E215JM	1,762	P1	168	17.0	82.0	20.400	208-230/460V	
10	3600	215JM	01036ES1E215JM	2,172	P1	172	19.5	86.3	20.400	208-230/460V	
	3600	215JM	01036ES1C215JM	2,172	P1	172	19.5	86.3	20.400	208-230V	
	1800	215JM	01018ES1E215JM	2,057	P1	179	20.0	83.0	20.400	208-230/460V	

- ELECTRICAL FEATURES ON PAGE B-32.
- MECHANICAL FEATURES ON PAGE B-83.



PUMP
MOTORS

“JP” TYPE – TEFC – SINGLE PHASE

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	“C” Dimension (in.)	Voltage	NOTES
0.5	3600	143JP	.5036ES1E143JP	668	P1	26	1.70	71.3	18.519	208-230/460V	
1	1800	143JP	00118ES1E143JP	687	P1	37	2.85	69.8	18.519	208-230/460V	
1.5	3600	143JP	00156ES1E143JP	729	P1	37	3.60	81.3	18.519	208-230/460V	
	1800	145JP	00158ES1E145JP	754	P1	49	3.50	76.8	19.519	208-230/460V	
2	3600	145JP	00236ES1E145JP	770	P1	45	4.45	86.2	19.519	208-230/460V	
	1800	145JP	00218ES1E145JP	814	P1	54	4.50	79.6	19.519	208-230/460V	
3	3600	145JP	00336ES1E145JP	1,076	P1	52	6.50	80.0	19.519	208-230/460V	
	1800	184JP	00318ES1E184JP	1,182	P1	131	7.25	77.2	20.429	208-230/460V	
5	3600	184JP	00536ES1E184JP	1,457	P1	115	10.5	83.0	20.429	208-230/460V	
	1800	184JP	00518ES1E184JP	1,430	P1	153	10.5	79.4	20.429	208-230/460V	
7.5	3600	213JP	00736ES1E213JP	1,641	P1	139	16.0	84.0	22.776	208-230/460V	
	1800	215JP	00718ES1E215JP	1,762	P1	168	17.0	82.0	24.272	208-230/460V	
10	3600	215JP	01036ES1E215JP	2,172	P1	172	19.5	86.3	24.272	208-230/460V	
	1800	215JP	01018ES1E215JP	2,057	P1	179	20.0	83.0	24.272	208-230/460V	

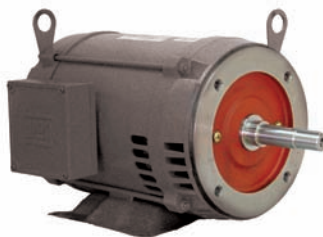
- ELECTRICAL FEATURES ON PAGE B-32.
- MECHANICAL FEATURES ON PAGE B-83.



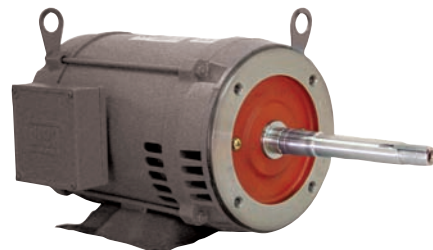
Pump Motors Close Coupled - Standard Efficiency

ODP – THREE PHASE

WEG offers both JM and JP standardized types of ODP close coupled pump line of motors. Remember that ODP are suitable where dirt and moisture are at a minimum.



JM



JP



APPLICATIONS

Specially developed line for industrial and commercial pumping applications.

- Water pumping
- Process
- Transfer and circulating pumps

OPTIONAL FEATURES

- Cable glands
- Special Voltages
- Cast iron NEMA C-flange or D-flange (D-flange only for frames 254T and up)
- Special designed shaft
- Second shaft end
- Thermistors, Thermostats or RTD's (PT100)
- Roller bearing on drive end
- IEC metric frames (on request) for frame 254T up to 445T
- Stainless steel shaft
- Class H insulation
- Design C
- 575V

STANDARD FEATURES

- Single-phase, 2, 4 or 6 pole, 60Hz
- Voltage: 115/208-230V
- Squirrel cage rotor
- Start capacitor
- NEMA dimensions
- Class 'B' insulation (130°C)
- High starting torque
- Ball Bearings
- Open drip proof (ODP - IP21)
- Totally enclosed fan cooled (TEFC - IP55)
- Color: RAL 7022 (Dark Gray)
- Continuous Duty (S1), 40°C ambient
- V-ring slingers on both endshields (for TEFC only)
- Designed to operate in any position (for TEFC only)

ALL MOTORS ARE TESTED ACCORDING TO IEEE 112 STD. - METHOD 'B' OR C390 CSA



FRAME – SPECIFIC FEATURES

FOR FRAME 143/5JM/JP, ONLY

- Welded steel plate frames (welded feet)
- Cast iron endshields fixed with through bolt construction
- 'ZZ' bearings (double shielded)
- Degree of protection: IP21

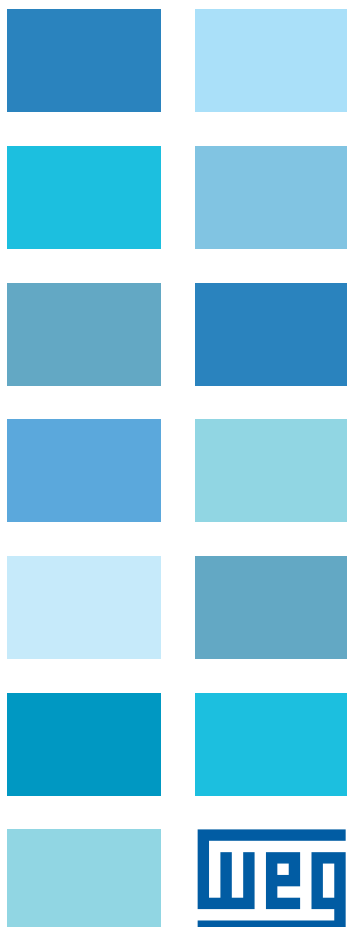
FOR FRAME 182JM up to 215JM

- Welded steel plate frames (welded feet)
- Aluminum endshields and Terminal box

- Cooling system with finned rotor
- Cast iron endshields fixed with through bolt construction
- "ZZ" bearings (double shielded)
- Degree of protection: IP21

FOR FRAME 254JM UP TO 445JM

- Cast iron frames
- Cast iron endshields and terminal box
- Cooling system with finned rotor
- Regreasable bearings positive pressure lubrication system (frame 254T and up)
- Degree of protection: IP23



CLOSE COUPLED PUMP MOTORS

STANDARD EFFICIENCY



“JM” TYPE – ODP – THREE-PHASE

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	“C” Dimension (in.)	Voltage	NOTES
1	1800	143JM	001180S3E143JM	379	P1C	36	1.52	78.5	14.055	208-230/460V	
1.5	3600	143JM	001560S3E143JM	400	P1C	32	2.07	78.5	14.055	208-230/460V	
	1800	145JM	001580S3E145JM	414	P1C	41	2.19	77.0	14.055	208-230/460V	
2	3600	145JM	002360S3E145JM	432	P1C	43	2.71	80.0	14.055	208-230/460V	
	1800	145JM	002180S3E145JM	433	P1C	43	2.72	82.5	14.055	208-230/460V	
3	3600	145JM	003360S3E145JM	482	P1C	49	3.92	80.0	14.055	208-230/460V	
	1800	182JM	003180S3E182JM	507	P1C	56	3.94	82.5	14.527	208-230/460V	
5	3600	182JM	005360S3E182JM	628	P1C	57	6.15	85.5	14.527	208-230/460V	
	1800	184JM	005180S3E184JM	652	P1C	69	6.50	84.0	15.315	208-230/460V	
7.5	3600	184JM	007360S3E184JM	785	P1C	69	8.85	86.5	15.315	208-230/460V	
	1800	213JM	007180S3E213JM	886	P1C	85	9.75	87.5	17.323	208-230/460V	
10	3600	213JM	010360S3E213JM	1,007	P1C	108	12.1	87.5	17.323	208-230/460V	
	1800	215JM	010180S3E215JM	1,078	P1C	109	12.5	86.5	17.323	208-230/460V	
15	3600	215JM	015360S3E215JM	1,264	P1C	139	18.0	85.5	17.323	208-230/460V	
	1800	254JM	015180S3E254JM	1,513	P1C	194	20.0	87.5	22.169	208-230/460V	
20	3600	254JM	020360S3E254JM	1,571	P1C	213	25.5	86.8	22.169	208-230/460V	
	1800	256JM	020180S3E256JM	1,825	P1C	258	26.3	88.5	23.902	208-230/460V	
25	3600	256JM	025360S3E256JM	1,941	P1C	262	30.2	88.5	23.902	208-230/460V	
	1800	284JM	025180S3E284JM	2,209	P1C	300	30.3	90.2	24.261	208-230/460V	
30	3600	284JM	030360S3E284JM	2,365	P1C	300	37.2	89.5	24.261	208-230/460V	
	1800	286JM	030180S3E286JM	2,549	P1C	346	36.3	89.5	25.754	208-230/460V	
40	3600	286JM	040360S3E286JM	2,822	P1C	388	47.5	90.2	25.754	208-230/460V	
	1800	324JM	040180S3E324JM	2,824	P1C	424	52.0	90.2	26.431	208-230/460V	
50	3600	324JM	050360S3E324JM	3,610	P1C	471	57.0	92.4	26.431	208-230/460V	
	1800	326JM	050180S3E326JM	3,553	P1C	515	64.0	91.0	27.927	208-230/460V	
60	3600	326JM	060360S3E326JM	4,208	P1C	552	69.5	92.4	27.927	208-230/460V	
	1800	364JM	060180S3E364JM	4,549	P1C	705	73.4	91.6	29.139	208-230/460V	
75	3600	364JM	075360S3E364JM	5,390	P1C	681	84.0	93.0	29.139	208-230/460V	
	1800	365JM	075180S3E365JM	5,185	P1C	749	88.6	91.7	29.139	208-230/460V	
100	3600	365JM	100360S3E365JM	6,368	P1C	727	112	93.0	29.139	208-230/460V	

- ELECTRICAL FEATURES ON PAGE B-32.
- MECHANICAL FEATURES ON PAGE B-81, B-82.



“JP” TYPE – ODP – THREE-PHASE

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	“C” Dimension (in.)	Voltage	NOTES
1	1800	143JP	001180S3E143JP	379	P1C	36	1.52	78.5	17.126	208-230/460V	
1.5	3600	143JP	001560S3E143JP	400	P1C	32	2.07	78.5	17.126	208-230/460V	
	1800	145JP	001580S3E145JP	414	P1C	41	2.19	77.0	17.126	208-230/460V	
2	3600	145JP	002360S3E145JP	432	P1C	43	2.71	80.0	17.126	208-230/460V	
	1800	145JP	002180S3E145JP	433	P1C	43	2.72	82.5	17.126	208-230/460V	
3	3600	145JP	003360S3E145JP	482	P1C	49	3.92	80.0	17.126	208-230/460V	
	1800	182JP	003180S3E182JP	507	P1C	56	3.94	82.5	20.236	208-230/460V	
5	3600	182JP	005360S3E182JP	628	P1C	57	6.15	85.5	20.236	208-230/460V	
	1800	184JP	005180S3E184JP	652	P1C	69	6.5	84.0	21.023	208-230/460V	
7.5	3600	184JP	007360S3E184JP	785	P1C	69	8.85	86.5	21.023	208-230/460V	
	1800	213JP	007180S3E213JP	886	P1C	85	9.75	87.5	21.240	208-230/460V	
10	3600	213JP	010360S3E213JP	1,007	P1C	108	12.1	87.5	21.240	208-230/460V	
	1800	215JP	010180S3E215JP	1,078	P1C	109	12.5	86.5	21.240	208-230/460V	
15	3600	215JP	015360S3E215JP	1,264	P1C	139	18.0	85.5	21.240	208-230/460V	
	1800	254JP	015180S3E254JP	1,513	P1C	194	20.0	87.5	25.049	208-230/460V	
20	3600	254JP	020360S3E254JP	1,571	P1C	213	25.5	86.8	25.049	208-230/460V	
	1800	256JP	020180S3E256JP	1,825	P1C	258	26.3	88.5	26.782	208-230/460V	
25	3600	256JP	025360S3E256JP	1,941	P1C	262	30.2	88.5	26.782	208-230/460V	
	1800	284JP	025180S3E284JP	2,209	P1C	300	30.3	90.2	27.141	208-230/460V	
30	3600	284JP	030360S3E284JP	2,365	P1C	300	37.2	89.5	27.141	208-230/460V	
	1800	286JP	030180S3E286JP	2,549	P1C	346	36.3	89.5	28.634	208-230/460V	
40	3600	286JP	040360S3E286JP	2,822	P1C	388	47.5	90.2	28.634	208-230/460V	
	1800	324JP	040180S3E324JP	2,810	P1C	424	52.0	90.2	29.311	208-230/460V	
50	3600	324JP	050360S3E324JP	3,610	P1C	471	57.0	92.4	29.311	208-230/460V	
	1800	326JP	050180S3E326JP	3,553	P1C	515	64.0	91.0	30.807	208-230/460V	
60	3600	326JP	060360S3E326JP	4,208	P1C	552	69.5	92.4	30.807	208-230/460V	
	1800	364JP	060180S3E364JP	4,549	P1C	705	73.4	91.6	32.019	208-230/460V	
75	3600	364JP	075360S3E364JP	5,390	P1C	681	84.0	93.0	32.019	208-230/460V	
	1800	365JP	075180S3E365JP	5,185	P1C	749	88.6	91.7	32.019	208-230/460V	
100	1800	404JP	100180S3E404JP	6,468	P1C	828	121	92.4	35.263	208-230/460V	

- ELECTRICAL FEATURES ON PAGE B-32.
- MECHANICAL FEATURES ON PAGE B-81, B-82.

CLOSE COUPLED PUMP MOTORS

STANDARD EFFICIENCY



“JM” TYPE – ODP – VERTICAL MOTORS

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	“C” Dimension (in.)	Voltage	NOTES
1	1800	143JMV	001180S3E143JMV	454	P1	36	1.52	78.5	15.196	208-230/460V	
1.5	1800	145JMV	001580S3E145JMV	486	P1	41	2.19	77.0	15.196	208-230/460V	
2	1800	145JMV	002180S3E145JMV	505	P1	43	2.72	82.5	15.196	208-230/460V	
3	1800	182JMV	003180S3E182JMV	637	P1	56	3.94	82.5	15.904	208-230/460V	
5	3600	182JMV	005360S3E182JMV	758	P1	57	6.15	85.5	15.904	208-230/460V	
	1800	184JMV	005180S3E184JMV	783	P1	69	6.50	84.0	16.692	208-230/460V	
7.5	3600	184JMV	007360S3E184JMV	915	P1	69	8.85	86.5	16.692	208-230/460V	
	1800	213JMV	007180S3E213JMV	1,051	P1	85	9.75	87.5	18.700	208-230/460V	
10	3600	213JMV	010360S3E213JMV	1,172	P1	108	12.1	87.5	18.700	208-230/460V	
	1800	215JMV	010180S3E215JMV	1,243	P1	109	12.5	86.5	18.700	208-230/460V	
15	3600	215JMV	015360S3E215JMV	1,428	P1	139	18.0	85.5	18.700	208-230/460V	
20	3600	254JMV	020360S3E254JMV	1,835	P1	213	25.5	86.8	23.507	208-230/460V	
25	3600	256JMV	025360S3E256JMV	2,205	P1	262	30.2	88.5	23.902	208-230/460V	
40	3600	286JMV	040360S3E286JMV	3,156	P1	388	47.5	90.2	27.368	208-230/460V	
50	3600	324JMV	050360S3E324JMV	4,032	P1	471	57.0	92.4	29.147	208-230/460V	

- ELECTRICAL FEATURES ON PAGE B-32.
- MECHANICAL FEATURES ON PAGE B-81, B-82.



PUMP MOTORS

“JP” TYPE – ODP – VERTICAL MOTORS

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	“C” Dimension (in.)	Voltage	NOTES
1.5	3600	143JPV	001560S3E143JPV	486	P1	32	2.07	78.5	17.126	208-230/460V	
2	3600	145JPV	002360S3E145JPV	518	P1	43	2.71	80.0	17.126	208-230/460V	
3	3600	145JPV	003360S3E145JPV	613	P1	49	3.92	80.0	17.126	208-230/460V	
5	3600	182JPV	005360S3E182JPV	783	P1	57	6.15	85.5	20.236	208-230/460V	
7.5	3600	184JPV	007360S3E184JPV	915	P1	69	8.85	86.5	22.400	208-230/460V	
10	3600	213JPV	010360S3E213JPV	1,172	P1	108	12.1	87.5	22.617	208-230/460V	
15	3600	215JPV	015360S3E215JPV	1,428	P1	139	18.0	85.5	22.617	208-230/460V	
20	3600	254JPV	020360S3E254JPV	1,835	P1	213	25.5	86.8	26.387	208-230/460V	
25	3600	256JPV	025360S3E256JPV	2,205	P1	262	30.2	88.5	26.782	208-230/460V	
30	3600	284JPV	030360S3E284JPV	2,699	P1	300	37.2	89.5	28.755	208-230/460V	
40	3600	286JPV	040360S3E286JPV	3,156	P1	388	47.5	90.2	30.248	208-230/460V	
50	3600	324JPV	050360S3E324JPV	4,032	P1	471	57.0	92.4	29.311	208-230/460V	

- ELECTRICAL FEATURES ON PAGE B-32.
- MECHANICAL FEATURES ON PAGE B-81, B-82.



Pump Motors Close Coupled - High Efficiency

ODP – THREE PHASE

WEG offers both JM and JP standardized types of ODP close coupled pump line of motors. Remember that ODP are suitable where dirt and moisture are at a minimum.



JM



JP



APPLICATIONS

Specially developed line for industrial and commercial pumping applications.

- Water pumping
- Process
- Transfer and circulating pumps

OPTIONAL FEATURES

- Cable glands
- Special Voltages
- Cast iron NEMA C-flange or D-flange (D-flange only for frames 254T and up)
- Special designed shaft
- Second shaft end
- Thermistors, Thermostats or RTD's (PT100)
- Roller bearing on drive end
- IEC metric frames (on request) for frame 254T up to 445T
- Stainless steel shaft
- Class H insulation
- Design C
- 575V

STANDARD FEATURES

- 3 phase, 2, 4 and 6 pole, 60Hz
- Voltage: 208-230/460V, 460V
- Squirrel cage rotor / Aluminum die cast
- Open drip proof design
- NEMA dimensions
- Service factor: 1.15
- Class 'F' insulation
- Temperature rise: Class 'B' (80°C)
- Continuous Duty (S1)
- 104°F (40°C) ambient temperature
- 1045 carbon steel shaft
- F1 mount (with cast iron 'C' Flange)
- Paint: Enamel alkyd resin base
- Color: RAL 5009 (Blue)
- NPT threaded holes in T-Box
- Stainless steel nameplate

ALL MOTORS ARE TESTED ACCORDING TO
IEEE 112 STD. - METHOD 'B' OR C390 CSA



E 104590

LR 38324

FRAME – SPECIFIC FEATURES

FOR FRAME 143/5JM/JP, ONLY

- Welded steel plate frames (welded feet)
- Cast iron endshields fixed with through bolt construction
- 'ZZ' bearings (double shielded)
- Degree of protection: IP21

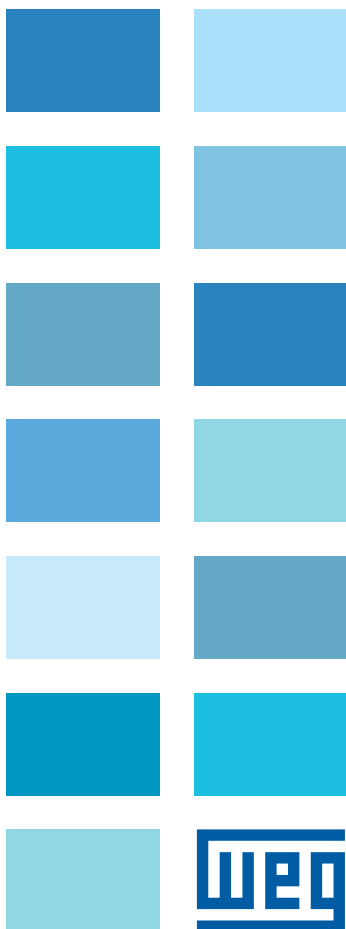
FOR FRAME 182JM up to 215JM

- Welded steel plate frames (welded feet)
- Aluminum endshields and Terminal box
- Cooling system with finned rotor

- Cast iron endshields fixed with through bolt construction
- "ZZ" bearings (double shielded)
- Degree of protection: IP21

FOR FRAME 254JM UP TO 445JM

- Cast iron frames
- Cast iron endshields and terminal box
- Cooling system with finned rotor
- Regreasable bearings system (frame 254JM and up)
- Degree of protection: IP23



CLOSE COUPLED PUMP MOTORS

HIGH EFFICIENCY



“JM” TYPE – ODP – THREE-PHASE

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	“C” Dimension (in.)	Voltage	NOTES
1	1800	143JM	001180P3E143JM	437	P1C	36	1.41	82.5	14.055	208-230/460V	
1.5	3600	143JM	001560P3E143JM	453	P1C	32	1.95	82.5	14.055	208-230/460V	
	1800	145JM	001580P3E145JM	478	P1C	40	1.98	84.0	14.055	208-230/460V	
2	3600	145JM	002360P3E145JM	498	P1C	43	2.52	84.0	14.055	208-230/460V	
	1800	145JM	002180P3E145JM	524	P1C	43	2.87	84.0	14.055	208-230/460V	
3	3600	145JM	003360P3E145JM	565	P1C	49	3.65	84.0	14.055	208-230/460V	
	1800	182JM	003180P3E182JM	557	P1C	56	3.94	86.5	14.527	208-230/460V	
5	3600	182JM	005360P3E182JM	669	P1C	57	6.17	86.5	14.527	208-230/460V	
	1800	184JM	005180P3E184JM	740	P1C	69	6.39	87.5	15.315	208-230/460V	
7.5	3600	184JM	007360P3E184JM	862	P1C	69	8.97	87.5	15.315	208-230/460V	
	1800	213JM	007180P3E213JM	945	P1C	85	9.40	88.5	17.323	208-230/460V	
10	3600	213JM	010360P3E213JM	1,109	P1C	108	11.8	88.5	17.323	208-230/460V	
	1800	215JM	010180P3E215JM	1,161	P1C	109	12.7	89.5	17.323	208-230/460V	
15	3600	215JM	015360P3E215JM	1,447	P1C	139	17.1	89.5	17.323	208-230/460V	
	1800	254JM	015180P3E254JM	1,749	P1C	247	18.7	91.0	22.169	208-230/460V	
20	3600	254JM	020360P3E254JM	1,816	P1C	205	24.6	90.2	22.169	208-230/460V	
	1800	256JM	020180P3E256JM	2,107	P1C	277	25.2	91.0	23.902	208-230/460V	
25	3600	256JM	025360P3E256JM	2,242	P1C	251	29.3	91.0	23.902	208-230/460V	
	1800	284JM	025180P3E284JM	2,551	P1C	311	30.1	91.7	24.261	208-230/460V	
30	3600	284JM	030360P3E284JM	2,731	P1C	373	34.0	92.4	24.261	208-230/460V	
	1800	286JM	030180P3E286JM	2,946	P1C	397	35.6	92.4	25.754	208-230/460V	
40	3600	286JM	040360P3E286JM	3,260	P1C	457	44.8	92.4	25.754	208-230/460V	
	1800	324JM	040180P3E324JM	3,354	P1C	495	48.2	93.0	26.431	208-230/460V	
50	3600	324JM	050360P3E324JM	3,971	P1C	523	56.4	93.6	26.431	208-230/460V	
	1800	326JM	050180P3E326JM	4,104	P1C	583	60.2	93.0	27.927	208-230/460V	
60	3600	326JM	060360P3E326JM	4,859	P1C	609	70.6	93.0	27.927	208-230/460V	
	3600	326JM	060360P3G326JM	4,859	P1C	609	70.6	93.0	27.927	460V	
	1800	364JM	060180P3E364JM	5,254	P1C	743	70.2	93.6	29.139	208-230/460V	
	1800	364JM	060180P3G364JM	5,254	P1C	743	70.2	93.6	29.139	460V	
75	3600	364JM	075360P3E364JM	6,226	P1C	805	80.6	94.1	29.139	208-230/460V	
	3600	364JM	075360P3G364JM	6,226	P1C	805	80.6	94.1	29.139	460V	
	1800	365JM	075180P3E365JM	5,989	P1C	935	85.3	94.1	29.139	208-230/460V	
	1800	365JM	075180P3G365JM	5,989	P1C	935	85.3	94.1	29.139	460V	
100	3600	365JM	100360P3E365JM	7,005	P1C	935	110	94.1	29.139	208-230/460V	
	3600	365JM	100360P3G365JM	7,005	P1C	935	110	94.1	29.139	460V	

- ELECTRICAL FEATURES ON PAGE B-8, B-9.
- MECHANICAL FEATURES ON PAGE B-81, B-82.



“JP” TYPE – ODP – THREE-PHASE

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	“C” Dimension (in.)	Voltage	NOTES
1	1800	143JP	001180P3E143JP	437	P1C	36	1.41	82.5	17.126	208-230/460V	
1.5	3600	143JP	001560P3E143JP	453	P1C	32	1.95	82.5	17.126	208-230/460V	
	1800	145JP	001580P3E145JP	478	P1C	40	1.98	84.0	17.126	208-230/460V	
2	3600	145JP	002360P3E145JP	498	P1C	43	2.52	84.0	17.126	208-230/460V	
	1800	145JP	002180P3E145JP	524	P1C	43	2.87	84.0	17.126	208-230/460V	
3	3600	145JP	003360P3E145JP	565	P1C	49	3.65	84.0	17.126	208-230/460V	
	1800	182JP	003180P3E182JP	557	P1C	56	3.94	86.5	20.236	208-230/460V	
5	3600	182JP	005360P3E182JP	669	P1C	57	6.17	86.5	20.236	208-230/460V	
	1800	184JP	005180P3E184JP	739	P1C	69	6.39	87.5	21.023	208-230/460V	
7.5	3600	184JP	007360P3E184JP	862	P1C	69	8.97	87.5	21.023	208-230/460V	
	1800	213JP	007180P3E213JP	946	P1C	85	9.40	88.5	21.240	208-230/460V	
10	3600	213JP	010360P3E213JP	1,109	P1C	108	11.8	88.5	21.240	208-230/460V	
	1800	215JP	010180P3E215JP	1,163	P1C	109	12.7	89.5	21.240	208-230/460V	
15	3600	215JP	015360P3E215JP	1,447	P1C	139	17.1	89.5	21.240	208-230/460V	
	1800	254JP	015180P3E254JP	1,749	P1C	247	18.7	91.0	25.049	208-230/460V	
20	3600	254JP	020360P3E254JP	1,815	P1C	205	24.6	90.2	25.049	208-230/460V	
	1800	256JP	020180P3E256JP	2,107	P1C	277	25.2	91.0	26.782	208-230/460V	
25	3600	256JP	025360P3E256JP	2,243	P1C	251	29.3	91.0	26.782	208-230/460V	
	1800	284JP	025180P3E284JP	2,550	P1C	311	30.1	91.7	27.141	208-230/460V	
30	3600	284JP	030360P3E284JP	2,731	P1C	373	34.0	92.4	27.141	208-230/460V	
	1800	286JP	030180P3E286JP	2,945	P1C	397	35.6	92.4	28.634	208-230/460V	
40	3600	286JP	040360P3E286JP	3,260	P1C	457	44.8	92.4	28.634	208-230/460V	
	1800	324JP	040180P3E324JP	3,354	P1C	495	48.2	93.0	29.311	208-230/460V	
50	3600	324JP	050360P3E324JP	3,971	P1C	523	56.4	93.6	29.311	208-230/460V	
	3600	324JP	050360P3G324JP	3,971	P1C	523	56.4	93.6	29.311	460V	
	1800	326JP	050180P3E326JP	4,105	P1C	583	60.2	93.0	30.807	208-230/460V	
60	3600	326JP	060360P3E326JP	4,859	P1C	609	70.6	93.0	30.807	208-230/460V	
	3600	326JP	060360P3G326JP	4,859	P1C	609	70.6	93.0	30.807	460V	
	1800	364JP	060180P3E364JP	5,254	P1C	743	70.2	93.6	32.019	208-230/460V	
	1800	364JP	060180P3G364JP	5,254	P1C	743	70.2	93.6	32.019	460V	
75	3600	364JP	075360P3E364JP	6,226	P1C	805	80.6	94.1	32.019	208-230/460V	
	3600	364JP	075360P3G364JP	6,226	P1C	805	80.6	94.1	32.019	460V	
	1800	365JP	075180P3E365JP	5,989	P1C	935	85.3	94.1	32.019	208-230/460V	
	1800	365JP	075180P3G365JP	5,989	P1C	935	85.3	94.1	32.019	460V	
100	3600	365JP	100360P3E365JP	7,005	P1C	935	110.0	94.1	32.019	208-230/460V	
	3600	365JP	100360P3G365JP	7,005	P1C	935	110	94.1	32.019	460V	
	1800	404JP	100180P3E404JP	7,469	P1C	1037	115	94.1	35.263	208-230/460V	
	1800	404JP	100180P3G404JP	7,469	P1C	1037	115	94.1	35.263	460V	
125	3600	404JP	125360P3G404JP	9,185	P1C	1086	132	94.1	35.263	460V	
	1800	405JP	125180P3G405JP	8,971	P1C	1207	137	94.5	35.263	460V	
150	3600	405JP	150360P3G405JP	12,106	P1C	1401	159	94.5	35.263	460V	

- ELECTRICAL FEATURES ON PAGE B-8, B-9.
- MECHANICAL FEATURES ON PAGE B-81, B-82.

CLOSE COUPLED PUMP MOTORS

ODP – HIGH EFFICIENCY



“JM” TYPE – ODP – VERTICAL MOTORS

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	“C” Dimension (in.)	Voltage	NOTES
1	1800	143JMV	001180P3E143JMV	513	P1C	36	1.41	82.5	14.756	208-230/460V	
1.5	3600	143JMV	001560P3E143JMV	542	P1C	32	1.95	82.5	14.756	208-230/460V	
	1800	145JMV	001580P3E145JMV	554	P1C	40	1.98	84.0	14.756	208-230/460V	
2	3600	145JMV	002360P3E145JMV	573	P1C	43	2.52	84.0	14.756	208-230/460V	
	1800	145JMV	002180P3E145JMV	603	P1C	43	2.87	84.0	14.756	208-230/460V	
3	3600	145JMV	003360P3E145JMV	657	P1C	49	3.65	84.0	14.756	208-230/460V	
	1800	182JMV	003180P3E182JMV	687	P1C	56	3.94	86.5	15.314	208-230/460V	
5	3600	182JMV	005360P3E182JMV	797	P1C	57	6.17	86.5	15.314	208-230/460V	
	1800	184JMV	005180P3E184JMV	875	P1C	69	6.39	87.5	15.314	208-230/460V	
7.5	3600	184JMV	007360P3E184JMV	993	P1C	69	8.97	87.5	15.314	208-230/460V	
	1800	213JMV	007180P3E213JMV	1,106	P1C	85	9.40	88.5	18.700	208-230/460V	
10	3600	213JMV	010360P3E213JMV	1,201	P1C	108	11.8	88.5	18.700	208-230/460V	
	1800	215JMV	010180P3E215JMV	1,323	P1C	109	12.7	89.5	18.700	208-230/460V	
15	3600	215JMV	015360P3E215JMV	1,617	P1C	139	17.1	89.5	18.700	208-230/460V	
20	3600	254JMV	020360P3E254JMV	2,092	P1C	205	24.6	90.2	22.169	208-230/460V	
25	3600	256JMV	025360P3E256JMV	2,518	P1C	251	29.3	91.0	23.902	208-230/460V	
30	3600	284JMV	030360P3E284JMV	3,082	P1C	373	34.0	92.4	24.261	208-230/460V	
40	3600	286JMV	040360P3E286JMV	3,611	P1C	457	44.8	92.4	25.754	208-230/460V	
50	3600	324JMV	050360P3E324JMV	4,394	P1C	523	56.4	93.6	26.431	208-230/460V	

Note: Prices with Drip Cover Included

- ELECTRICAL FEATURES ON PAGE B-8, B-9.
- MECHANICAL FEATURES ON PAGE B-81, B-82.



PUMP MOTORS

“JP” TYPE – ODP – VERTICAL MOTORS

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	“C” Dimension (in.)	Voltage	NOTES
1.5	3600	143JPV	001560P3E143JPV	513	P1C	32	1.95	82.5	17.827	208-230/460V	
2	3600	145JPV	002360P3E145JPV	559	P1C	43	2.52	84.0	17.827	208-230/460V	
3	3600	145JPV	003360P3E145JPV	629	P1C	49	3.65	84.0	17.827	208-230/460V	
5	3600	182JPV	005360P3E182JPV	729	P1C	57	6.17	86.5	22.400	208-230/460V	
7.5	3600	184JPV	007360P3E184JPV	993	P1C	69	9.0	87.5	22.400	208-230/460V	
10	3600	213JPV	010360P3E213JPV	1,273	P1C	108	11.8	88.5	22.617	208-230/460V	
15	3600	215JPV	015360P3E215JPV	1,617	P1C	139	17.1	89.5	22.617	208-230/460V	
20	3600	254JPV	020360P3E254JPV	2,092	P1C	205	24.6	90.2	26.387	208-230/460V	
25	3600	256JPV	025360P3E256JPV	2,518	P1C	251	29.3	91.0	26.782	208-230/460V	
30	3600	284JPV	030360P3E284JPV	3,082	P1C	373	34	92.4	28.755	208-230/460V	
40	3600	286JPV	040360P3E286JPV	3,611	P1C	457	44.8	92.4	30.248	208-230/460V	

Note: Prices with Drip Cover Included

- ELECTRICAL FEATURES ON PAGE B-8, B-9.
- MECHANICAL FEATURES ON PAGE B-81, B-82.



Pump Motors

Close Coupled - ODP - NEMA PREMIUM

ODP – THREE PHASE

WEG offers both JM and JP standardized types of ODP close coupled pump line of motors. Remember that ODP are suitable where dirt and moisture are at a minimum.



JM



JP

HIGHLIGHTS

- VFD Capable
- Cast Iron Flange

APPLICATIONS

Specially developed line for industrial and commercial pumping applications.

- Water pumping
- Process
- Transfer and circulating pumps

OPTIONAL FEATURES

- Cable glands
- Special Voltages
- Cast iron NEMA C-flange or D-flange (D-flange only for frames 254T and up)
- Special designed shaft
- Second shaft end
- Thermistors, Thermostats or RTD's (PT100)
- Roller bearing on drive end
- IEC metric frames (on request) for frame 254T up to 445T
- Stainless steel shaft
- Class H insulation
- Design C
- 575V

STANDARD FEATURES

- 3 phase, 2, 4 and 6 pole, 60Hz
- Voltage: 208-230/460V, 460V
- Squirrel cage rotor / Aluminum die cast
- Open drip proof design
- NEMA dimensions
- Service factor: 1.15
- Class 'F' insulation
- Temperature rise: Class 'B' (80°C)
- Continuous Duty (S1)
- 104°F (40°C) ambient temperature
- 1045 carbon steel shaft
- F1 mount (with cast iron 'C' Flange)
- Paint: Enamel alkyd resin base
- Color: RAL 5009 (Blue)
- NPT threaded holes in T-Box
- Stainless steel nameplate

ALL MOTORS ARE TESTED ACCORDING TO
IEEE 112 STD. - METHOD 'B' OR C390 CSA



E 104590

LR 38324

FRAME – SPECIFIC FEATURES

FOR FRAME 143/5JM/JP, ONLY

- Welded steel plate frames (welded feet)
- Cast iron endshields fixed with through bolt construction
- 'ZZ' bearings (double shielded)
- Degree of protection: IP21

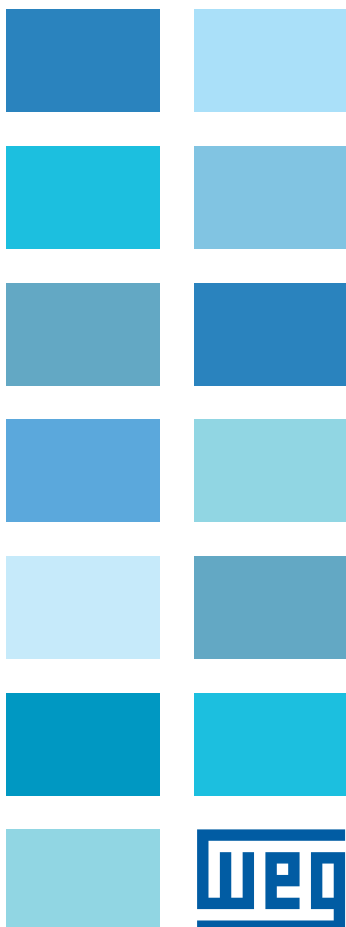
FOR FRAME 182JM up to 215JM

- Welded steel plate frames (welded feet)
- Aluminum endshields and Terminal box
- Cooling system with finned rotor

- Cast iron endshields fixed with through bolt construction
- "ZZ" bearings (double shielded)
- Degree of protection: IP21

FOR FRAME 254JM UP TO 445JM

- Cast iron frames
- Cast iron endshields and terminal box
- Cooling system with finned rotor
- Regreasable bearings system (frame 254JM and up)
- Degree of protection: IP23



CLOSE COUPLED PUMP MOTORS

ODP – NEMA PREMIUM



“JM” TYPE – ODP – THREE-PHASE - NEMA PREMIUM

HP	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Approx. Shipp. Weight Lbs	FL Amps at High Voltage	FL Eff. %	“C” Dimension (in.)	Voltage	Notes
1	1800	143JM	001180T3E143JM	486	P1C	37	1.45	85.5	14.055	208-230/460	
	1200	145JM	001120T3E145JM	550	P1C	37	1.63	82.5	14.055	208-230/460	
1.5	3600	143JM	001560T3E143JM	534	P1C	40	1.90	85.5	14.055	208-230/460	
	1800	145JM	001580T3E145JM	553	P1C	44	2.20	86.5	14.055	208-230/460	
	1200	182JM	001520T3E182JM	769	P1C	44	2.31	86.5	14.527	208-230/460	
2	3600	145JM	002360T3E145JM	580	P1C	42	2.50	86.5	14.055	208-230/460	
	1800	145JM	002180T3E145JM	607	P1C	44	2.90	86.5	14.055	208-230/460	
	1200	184JM	002120T3E184JM	816	P1C	60	3.03	87.5	15.315	208-230/460	
3	3600	145JM	003360T3E145JM	660	P1C	46	3.50	86.5	14.843	208-230/460	
	1800	182JM	003180T3E182JM	665	P1C	46	4.06	89.5	14.527	208-230/460	
	1200	213JM	003120T3E213JM	1,105	P1C	66	4.27	88.5	17.323	208-230/460	
5	3600	182JM	005360T3E182JM	780	P1C	48	6.17	88.5	14.527	208-230/460	
	1800	184JM	005180T3E184JM	849	P1C	62	6.41	89.5	15.315	208-230/460	
	1200	215JM	005120T3E215JM	1,319	P1C	96	6.92	89.5	17.323	208-230/460	
7.5	3600	184JM	007360T3E184JM	1,086	P1C	60	8.97	88.5	15.315	208-230/460	
	1800	213JM	007180T3E213JM	1,119	P1C	77	9.03	91.0	17.323	208-230/460	
	1200	254JM	007120T3E254JM	1,985	P1C	231	9.69	90.2	22.169	208-230/460	
10	3600	213JM	010360T3E213JM	1,289	P1C	121	11.9	90.2	17.323	208-230/460	
	1800	215JM	010180T3E215JM	1,364	P1C	99	12.2	91.7	17.323	208-230/460	
	1200	256JM	010120T3E256JM	2,298	P1C	251	13.0	91.7	23.902	208-230/460	
15	3600	215JM	015360T3E215JM	1,707	P1C	126	17.4	91.0	17.323	208-230/460	
	1800	254JM	015180T3E254JM	1,995	P1C	254	18.6	93.0	22.169	208-230/460	
	1200	284JM	015120T3E284JM	3,164	P1C	364	17.7	91.7	24.261	208-230/460	
20	3600	254JM	020360T3E254JM	2,107	P1C	179	24.6	91.0	22.169	208-230/460	
	1800	256JM	020180T3E256JM	2,413	P1C	295	25.0	93.0	23.902	208-230/460	
	1200	286JM	020120T3E286JM	3,872	P1C	397	24.0	92.4	25.754	208-230/460	
25	3600	256JM	025360T3E256JM	2,598	P1C	243	29.8	91.7	23.902	208-230/460	
	1800	284JM	025180T3E284JM	2,912	P1C	342	29.9	93.6	24.261	208-230/460	
	1200	324JM	025120T3E324JM	4,306	P1C	463	30.4	93.0	26.431	208-230/460	
30	3600	284JM	030360T3E284JM	3,185	P1C	333	35.2	92.4	24.261	208-230/460	
	1800	286JM	030180T3E286JM	3,368	P1C	419	35.4	94.1	25.754	208-230/460	
	1200	326JM	030120T3E326JM	4,741	P1C	573	36.0	93.6	27.927	208-230/460	
40	3600	286JM	040360T3E286JM	3,811	P1C	417	47.1	93.0	25.754	208-230/460	
	1800	324JM	040180T3E324JM	3,797	P1C	507	48.2	94.1	26.431	208-230/460	
	1200	364JM	040120T3E364JM	6,696	P1C	739	48.2	94.1	29.139	208-230/460	
50	3600	324JM	050360T3E324JM	4,607	P1C	496	59.1	93.6	26.431	208-230/460	
	3600	324JM	050360T3G324JM	4,607	P1C	496	59.1	93.6	26.431	460	
	1800	326JM	050180T3E326JM	4,877	P1C	573	61.4	94.5	27.927	208-230/460	
	1200	365JM	050120T3E365JM	7,666	P1C	862	60.2	94.1	29.139	208-230/460	
60	3600	326JM	060360T3E326JM	5,432	P1C	582	71.0	93.6	27.927	208-230/460	
	1800	364JM	060180T3E364JM	5,994	P1C	825	69.9	95.0	29.139	208-230/460	
	1800	364JM	060180T3G364JM	5,994	P1C	825	69.9	95.0	29.139	460	
75	3600	364JM	075360T3E364JM	6,951	P1C	694	81.5	94.1	29.139	208-230/460	
	3600	364JM	075360T3G364JM	6,951	P1C	694	81.5	94.1	29.139	460	
	1800	365JM	075180T3E365JM	6,932	P1C	825	85.5	95.0	29.139	208-230/460	
	1800	365JM	075180T3G365JM	6,932	P1C	825	85.5	95.0	29.139	460	
100	3600	365JM	100360T3E365JM	8,683	P1C	825	111	94.5	29.139	208-230/460	
	3600	365JM	100360T3G365JM	8,683	P1C	825	111	94.5	29.139	460	

- ELECTRICAL FEATURES ON PAGE B-16.
- MECHANICAL FEATURES ON PAGE B-81, B-82.

PUMP
MOTORS

“JP” TYPE – ODP – THREE-PHASE - NEMA PREMIUM

HP	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Approx. Shipp. Weight Lbs	FL Amps 460V	FL Eff. %	“C” Dimension (in.)	Voltage	Notes
1	1800	143JP	001180T3E143JP	486	P1C	37	1.45	85.5	17.126	208-230/460	
	1200	145JP	001120T3E145JP	550	P1C	37	1.63	82.5	17.126	208-230/460	
1.5	3600	143JP	001560T3E143JP	534	P1C	40	1.90	85.5	17.126	208-230/460	
	1800	145JP	001580T3E145JP	553	P1C	44	2.20	86.5	17.126	208-230/460	
	1200	182JP	001520T3E182JP	729	P1C	44	2.31	86.5	20.236	208-230/460	
2	3600	145JP	002360T3E145JP	580	P1C	42	2.50	86.5	17.126	208-230/460	
	1800	145JP	002180T3E145JP	607	P1C	44	2.90	86.5	17.126	208-230/460	
	1200	184JP	002120T3E184JP	863	P1C	60	3.03	87.5	21.023	208-230/460	
3	3600	145JP	003360T3E145JP	660	P1C	46	3.50	86.5	17.913	208-230/460	
	1800	182JP	003180T3E182JP	665	P1C	46	4.06	89.5	20.236	208-230/460	
	1200	213JP	003120T3E213JP	1,095	P1C	66	4.27	88.5	21.240	208-230/460	
5	3600	182JP	005360T3E182JP	792	P1C	48	6.17	88.5	20.236	208-230/460	
	1800	184JP	005180T3E184JP	848	P1C	62	6.41	89.5	21.023	208-230/460	
	1200	215JP	005120T3E215JP	1,321	P1C	96	6.92	89.5	21.240	208-230/460	
7.5	3600	184JP	007360T3E184JP	1,086	P1C	60	8.97	88.5	21.023	208-230/460	
	1800	213JP	007180T3E213JP	1,120	P1C	77	9.03	91.0	21.240	208-230/461	
	1200	254JP	007120T3E254JP	2,113	P1C	231	9.69	90.2	25.049	208-230/462	
10	3600	213JP	010360T3E213JP	1,289	P1C	121	11.9	90.2	21.240	208-230/463	
	1800	215JP	010180T3E215JP	1,366	P1C	99	12.2	91.7	21.240	208-230/464	
	1200	256JP	010120T3E256JP	2,298	P1C	251	13.0	91.7	26.782	208-230/465	
15	3600	215JP	015360T3E215JP	1,707	P1C	126	17.4	91.0	21.240	208-230/466	
	1800	254JP	015180T3E254JP	1,995	P1C	254	18.6	93.0	25.049	208-230/460	
	1200	284JP	015120T3E284JP	3,163	P1C	364	17.7	91.7	27.141	208-230/460	
20	3600	254JP	020360T3E254JP	2,106	P1C	179	24.6	91.0	25.049	208-230/460	
	1800	256JP	020180T3E256JP	2,413	P1C	295	25.0	93.0	26.782	208-230/460	
	1200	286JP	020120T3E286JP	3,871	P1C	397	24.0	92.4	28.634	208-230/460	
25	3600	256JP	025360T3E256JP	2,599	P1C	243	29.8	91.7	26.782	208-230/460	
	1800	284JP	025180T3E284JP	2,911	P1C	342	29.9	93.6	27.141	208-230/460	
	1200	324JP	025120T3E324JP	4,306	P1C	463	30.4	93.0	29.311	208-230/460	
30	3600	284JP	030360T3E284JP	3,185	P1C	333	35.2	92.4	27.141	208-230/460	
	1800	286JP	030180T3E286JP	3,367	P1C	419	35.4	94.1	28.634	208-230/461	
	1200	326JP	030120T3E326JP	4,980	P1C	573	36.0	93.6	30.807	208-230/462	
40	3600	286JP	040360T3E286JP	3,811	P1C	417	47.1	93.0	28.634	208-230/463	
	1800	324JP	040180T3E324JP	3,797	P1C	507	48.2	94.1	29.311	208-230/464	
	1200	364JP	040120T3E364JP	7,444	P1C	739	48.2	94.1	32.019	208-230/460	
50	3600	324JP	050360T3E324JP	4,607	P1C	496	59.1	93.6	29.311	208-230/460	
	3600	324JP	050360T3G324JP	4,607	P1C	496	59.1	93.6	29.311	460	
	1800	326JP	050180T3E326JP	4,878	P1C	573	61.4	94.5	30.807	208-230/460	
60	1200	365JP	050120T3E365JP	7,666	P1C	862	60.2	94.1	32.019	208-230/460	
	3600	326JP	060360T3E326JP	5,432	P1C	582	71.0	93.6	30.807	208-230/460	
	1800	364JP	060180T3E364JP	5,994	P1C	825	69.9	95.0	32.019	208-230/460	
	1800	364JP	060180T3G364JP	5,994	P1C	825	69.9	95.0	32.019	460	
75	1200	404JP	060120T3E404JP	9,462	P1C	915	71.2	94.5	35.263	208-230/460	
	3600	364JP	075360T3E364JP	7,699	P1C	694	81.5	94.1	32.019	208-230/460	
	3600	364JP	075360T3G364JP	7,699	P1C	694	81.5	94.1	32.019	460	
	1800	365JP	075180T3E365JP	6,932	P1C	825	85.5	95.0	32.019	208-230/460	
	1800	365JP	075180T3G365JP	6,932	P1C	825	85.5	95.0	32.019	460	
100	1200	405JP	075120T3E405JP	9,762	P1C	1,080	85.9	94.5	35.263	208-230/460	
	3600	365JP	100360T3E365JP	8,544	P1C	825	111	94.5	32.019	208-230/460	
	3600	365JP	100360T3G365JP	8,544	P1C	825	111	94.5	32.019	460	
	1800	404JP	100180T3E404JP	8,545	P1C	1,052	115	95.4	35.263	208-230/460	
	1800	404JP	100180T3G404JP	8,545	P1C	1,052	115	95.4	35.263	460	

• ELECTRICAL FEATURES ON PAGE B-16.

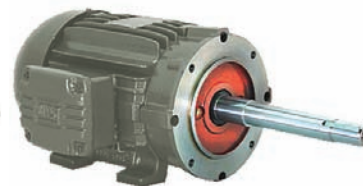
• MECHANICAL FEATURES ON PAGE B-81, B-82.

TEFC – THREE PHASE

WEG offers both JM and JP standardized types of close-coupled pump line of motors. Totally enclosed enclosures permit these motors to operate in moist or dusty atmospheres.



JM



JP



STANDARD FEATURES

- 3 phase, 2, 4, 6 and 8 pole, 60Hz
- Voltage: 208-230/460, 460V
- 2:1 Constant torque
10:1 Variable torque
- Cast iron frames
- Squirrel cage rotor / Aluminum die cast
- Totally Enclosed Fan Cooled
- TEFC (IP55)
- V-ring slingers on both endshields
- Ball bearings
- Service Factor: 1.15
- Class 'F' insulation
- Temperature rise: Class 'B' (80°C)
- Continuous Duty (S1)
- 104°F (40°C) ambient temperature
- Altitude: 3300 ft (1000m)
- 1045 carbon steel shaft
- F1 mount
- Stainless steel nameplate
- Paint: Enamel alkyd resin base
- Color: RAL 7022 (Dark Gray)
- NPT threaded terminal box
- Automatic drain plugs
- Regreasable bearings system (frames 254JM/JP frames and up)

OPTIONAL FEATURES

- Cable glands
- Special voltages
- Specially designed shaft
- Space heaters
- Second shaft end
- Thermistor, Thermostats or RTD's (PT100)
- Additional terminal box
- Stainless steel shaft
- 575V

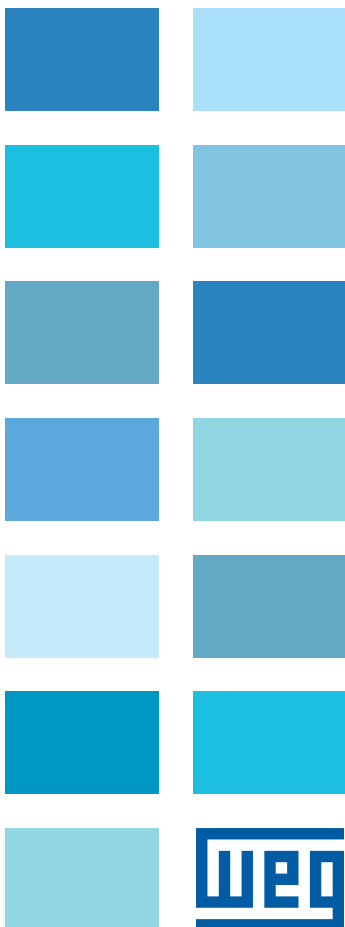
APPLICATIONS

Specially developed line for industrial and commercial pumping applications.

- Water pumping
- Process
- Transfer and circulating pumps

WEG also can provide IEC metric frame, cast iron, TEFC. Please ask for specific catalog.

All motors are tested according to IEEE 112 std. - method 'B' or C390 CSA.





“JM” TYPE – TEFC– THREE-PHASE

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	“C” Dimension (in.)	Voltage	NOTES
1	1800	143JM	00118ES3E143JM	411	P1	40	1.51	78.0	14.304	208-230/460V	
1.5	3600	143JM	00156ES3E143JM	434	P1	40	2.04	78.0	14.304	208-230/460V	
	1800	145JM	00158ES3E145JM	449	P1	40	2.19	79.0	15.304	208-230/460V	
2	3600	145JM	00236ES3E145JM	467	P1	44	2.73	78.5	15.304	208-230/460V	
	1800	145JM	00218ES3E145JM	470	P1	52	2.93	82.5	15.304	208-230/460V	
3	3600	145JM	00336ES3E145JM	533	P1	49	4.04	81.5	15.304	208-230/460V	♣
	3600	W182JM	00336ES3E182JM	578	P1	88	4.04	81.5	15.996	208-230/460V	
	1800	W182JM	00318ES3E182JM	583	P1	73	4.13	81.5	15.996	208-230/460V	
5	3600	182JM	00536ES3E182JM	681	P1	93	6.15	84.5	15.996	208-230/460V	♣
	3600	W184JM	00536ES3E184JM	810	P1	97	6.15	84.5	17.020	208-230/460V	
	1800	182JM	00518ES3E182JM	694	P1	106	6.50	85.0	15.996	208-230/460V	♣
	1800	W184JM	00518ES3E184JM	756	P1	106	6.50	85.0	17.020	208-230/460V	
7.5	3600	184JM	00736ES3E184JM	851	P1	99	9.15	86.7	17.020	208-230/460V	♣
	3600	213JM	00736ES3E213JM	935	P1	145	8.95	86.5	18.678	208-230/460V	
	1800	213JM	00718ES3E213JM	959	P1	152	9.70	87.0	18.678	208-230/460V	
10	3600	213JM	01036ES3E213JM	1,093	P1	154	12.2	87.6	18.678	208-230/460V	♣
	3600	215JM	01036ES3E215JM	1,114	P1	156	12.2	87.6	20.174	208-230/460V	
	1800	213JM	01018ES3E213JM	1,094	P1	150	12.8	89.0	18.678	208-230/460V	♣
	1800	215JM	01018ES3E215JM	1,170	P1	150	12.8	89.0	20.174	208-230/460V	
15	3600	215JM	01536ES3E215JM	1,372	P1	172	17.7	87.8	20.174	208-230/460V	♣
	3600	254JM	01536ES3E254JM	1,570	P1	260	18.2	87.5	24.370	208-230/460V	
	1800	254JM	01518ES3E254JM	1,642	P1	233	18.8	88.5	24.370	208-230/460V	
20	3600	254JM	02036ES3E254JM	1,705	P1	255	24.1	89.0	24.370	208-230/460V	♣
	3600	256JM	02036ES3E256JM	1,926	P1	269	24.1	89.0	26.102	208-230/460V	
	1800	256JM	02018ES3E256JM	1,980	P1	277	25.2	90.2	26.102	208-230/460V	
25	3600	256JM	02536ES3E256JM	2,105	P1	271	29.5	89.5	26.102	208-230/460V	♣
	3600	284JM	02536ES3E284JM	2,378	P1	346	29.7	89.0	27.165	208-230/460V	
	1800	284JM	02518ES3E284JM	2,456	P1	371	30.2	90.5	27.165	208-230/460V	
30	3600	284JM	03036ES3E284JM	2,565	P1	395	35.1	89.5	27.165	208-230/460V	♣
	3600	286JM	03036ES3E286JM	2,730	P1	399	35.1	89.5	28.700	208-230/460V	
	1800	286JM	03018ES3E286JM	2,765	P1	393	36.1	91.0	28.700	208-230/460V	
40	3600	286JM	04036ES3E286JM	3,061	P1	404	48.6	90.2	28.700	208-230/460V	♣
	3600	324JM	04036ES3E324JM	3,734	P1	515	47.4	90.4	28.149	208-230/460V	
	1800	324JM	04018ES3E324JM	3,342	P1	506	48.3	91.7	28.149	208-230/460V	
50	3600	324JM	05036ES3E324JM	3,917	P1	563	57.0	92.2	28.149	208-230/460V	♣
	3600	326JM	05036ES3E326JM	4,348	P1	574	57.0	92.2	29.645	208-230/460V	
	1800	326JM	05018ES3E326JM	3,878	P1	557	58.5	92.4	29.645	208-230/460V	
60	3600	326JM	06036ES3E326JM	4,565	P1	640	70.5	92.0	29.645	208-230/460V	♣
	3600	364JM	06036ES3E364JM	5,461	P1	948	68.5	91.7	33.031	208-230/460V	
	1800	326JM	06018ES3E326JM	4,943	P1	640	72.0	92.5	29.645	208-230/460V	♣
	1800	364JM	06018ES3E364JM	6,695	P1	948	70.0	93.0	33.031	208-230/460V	
75	3600	364JM	07536ES3E364JM	6,960	P1	1058	83.0	92.4	33.031	208-230/460V	♣
	3600	365JM	07536ES3E365JM	8,318	P1	1058	83.0	92.4	33.031	208-230/460V	
	1800	365JM	07518ES3E365JM	7,076	P1	1025	84.5	93.0	33.031	208-230/460V	

• ELECTRICAL FEATURES ON PAGE B-33. • MECHANICAL FEATURES ON PAGE B-84, B-85.

♣ = Reduced Frame ♦ = Product may not be available from stock

CLOSE COUPLED PUMP MOTORS

STANDARD EFFICIENCY



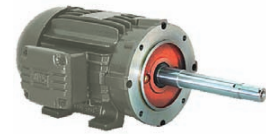
“JP” TYPE – TEFC – THREE-PHASE

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	“C” Dimension (in.)	Voltage	NOTES
1	1800	143JP	00118ES3E143JP	411	P1	40	1.51	78.0	17.365	208-230/460V	
1.5	3600	143JP	00156ES3E143JP	434	P1	40	2.04	78.0	17.365	208-230/460V	
	3600	143JP	00156ES3V143JP	434	P1	40	2.04	78.0	17.365	200/400V	
	1800	145JP	00158ES3E145JP	449	P1	40	2.19	79.0	18.365	208-230/460V	
2	3600	145JP	00236ES3E145JP	467	P1	44	2.73	78.5	18.365	208-230/460V	
	3600	145JP	00236ES3V145JP	467	P1	44	2.73	78.5	18.365	200/400V	
	1800	145JP	00218ES3E145JP	470	P1	52	2.93	82.5	18.365	208-230/460V	
3	3600	145JP	00336ES3E145JP	522	P1	49	4.04	81.5	18.365	208-230/460V	♣
	3600	W182JP	00336ES3E182JP	663	P1	88	4.04	81.5	19.057	208-230/460V	
	3600	182JP	00336ES3V182JP	663	P1	88	4.04	81.5	19.057	200/400V	
	1800	W182JP	00318ES3E182JP	594	P1	73	4.13	81.5	19.057	208-230/460V	
5	3600	182JP	00536ES3E182JP	681	P1	93	6.15	84.5	19.057	208-230/460V	♣
	3600	W184JP	00536ES3E184JP	810	P1	97	6.15	84.5	20.395	208-230/460V	
	3600	184JP	00536ES3V184JP	810	P1	97	6.15	84.5	20.395	200/400V	
	1800	182JP	00518ES3E182JP	708	P1	106	6.50	85.0	19.057	208-230/460V	♣
	1800	W184JP	00518ES3E184JP	770	P1	106	6.50	85.0	20.395	208-230/460V	
7.5	3600	184JP	00736ES3E184JP	851	P1	99	9.15	86.7	20.395	208-230/460V	♣
	3600	213JP	00736ES3E213JP	1,038	P1	145	8.95	86.5	22.550	208-230/460V	
	3600	213JP	00736ES3V213JP	1,038	P1	145	8.95	86.5	22.550	200/400V	
	1800	213JP	00718ES3E213JP	977	P1	152	9.70	87.0	22.550	208-230/460V	
10	3600	213JP	01036ES3E213JP	1,093	P1	154	12.2	87.6	22.550	208-230/460V	♣
	3600	215JP	01036ES3E215JP	1,114	P1	156	12.2	87.6	24.046	208-230/460V	
	3600	215JP	01036ES3V215JP	1,114	P1	156	12.2	87.6	24.046	200/400V	
	1800	213JP	01018ES3E213JP	1,043	P1	150	12.8	89.0	22.550	208-230/460V	♣
	1800	215JP	01018ES3E215JP	1,124	P1	150	12.8	89.0	24.046	208-230/460V	
15	3600	215JP	01536ES3E215JP	1,372	P1	172	17.7	87.8	24.046	208-230/460V	♣
	3600	254JP	01536ES3E254JP	1,598	P1	260	18.2	87.5	26.964	208-230/460V	
	3600	254JP	01536ES3V254JP	1,598	P1	260	18.2	87.5	26.964	200/400V	
	1800	254JP	01518ES3E254JP	1,642	P1	233	18.8	88.5	26.964	208-230/460V	
20	3600	254JP	02036ES3E254JP	1,705	P1	255	24.1	89.0	26.964	208-230/460V	♣
	3600	256JP	02036ES3E256JP	1,781	P1	269	24.1	89.0	28.736	208-230/460V	
	3600	256JP	02036ES3V256JP	1,781	P1	269	24.1	89.0	28.736	200/400V	
	1800	256JP	02018ES3E256JP	1,980	P1	277	25.2	90.2	28.736	208-230/460V	
25	3600	256JP	02536ES3E256JP	2,105	P1	271	29.5	89.5	28.736	208-230/460V	♣
	3600	284JP	02536ES3E284JP	2,443	P1	346	29.7	89.0	30.079	208-230/460V	
	3600	284JP	02536ES3V284JP	2,443	P1	346	29.7	89.0	30.079	200/400V	
	1800	284JP	02518ES3E284JP	2,505	P1	371	30.2	90.5	30.079	208-230/460V	
30	3600	284JP	03036ES3E284JP	2,573	P1	395	35.1	89.5	30.079	208-230/460V	♣
	3600	286JP	03036ES3E286JP	2,716	P1	399	35.1	89.5	31.575	208-230/460V	
	3600	286JP	03036ES3V286JP	2,716	P1	399	35.1	89.5	31.575	200/400V	
	1800	286JP	03018ES3E286JP	2,765	P1	393	36.1	91.0	31.575	208-230/460V	
40	3600	286JP	04036ES3E286JP	3,243	P1	404	48.6	90.2	31.575	208-230/460V	♣
	3600	324JP	04036ES3E324JP	3,513	P1	515	47.4	90.4	32.525	208-230/460V	
	3600	324JP	04036ES3V324JP	3,513	P1	515	47.4	90.4	32.525	200/400V	
	1800	324JP	04018ES3E324JP	3,513	P1	506	48.3	91.7	32.525	208-230/460V	

• ELECTRICAL FEATURES ON PAGE B-33. • MECHANICAL FEATURES ON PAGE B-84, B-85.

♣ = Reduced Frame ♦ = Product may not be available from stock

PUMP
MOTORS



“JP” TYPE – TEFC – THREE-PHASE

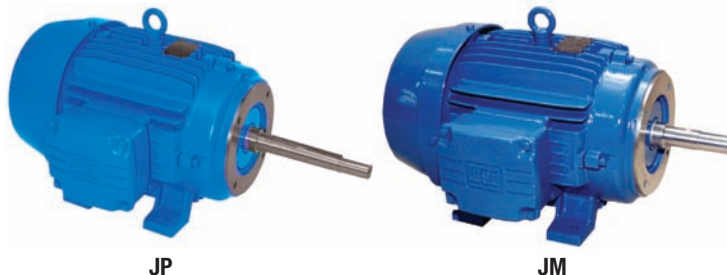
HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	“C” Dimension (in.)	Voltage	NOTES
50	3600	324JP	05036ES3E324JP	3,917	P1	563	57.0	92.2	32.525	208-230/460V	B ♣
	3600	326JP	05036ES3E326JP	4,229	P1	574	57.0	92.2	34.021	208-230/460V	
	3600	326JP	05036ES3V326JP	4,229	P1	574	57.0	92.2	34.021	200/400V	
	1800	326JP	05018ES3E326JP	4,095	P1	557	58.5	92.4	34.021	208-230/460V	
60	3600	326JP	06036ES3E326JP	5,334	P1	640	70.5	92.0	34.021	208-230/460V	B ♣
	3600	364JP	06036ES3E364JP	6,025	P1	948	68.5	91.7	35.916	208-230/460V	
	3600	364JP	06036ES3V364JP	6,025	P1	948	68.5	91.7	35.916	200/400V	
	1800	326JP	06018ES3E326JP	5,621	P1	640	72.0	92.5	34.021	208-230/460V	B ♣
	1800	364JP	06018ES3E364JP	6,829	P1	948	70.0	93.0	35.916	208-230/460V	
75	3600	364JP	07536ES3E364JP	7,191	P1	1058	83.0	92.4	35.916	208-230/460V	B ♣
	3600	365JP	07536ES3E365JP	8,483	P1	1058	83.0	92.4	35.916	208-230/460V	
	3600	365JP	07536ES3V365JP	8,483	P1	1058	83.0	92.4	35.916	200/400V	
	1800	365JP	07518ES3E365JP	7,218	P1	1025	84.5	93.0	35.916	208-230/460V	
100	3600	404JP	10036ES3E404JP	8,588	P1	1180	111	93.0	38.911	208-230/460V	B ♣
	3600	404JP	10036ES3G404JP	8,588	P1	1180	111	93.0	38.911	460V	B ♣
	1800	405JP	10018ES3E405JP	8,589	P1	1302	116	93.2	38.911	208-230/460V	
	1800	405JP	10018ES3G405JP	8,589	P1	1302	116	93.2	38.911	460V	

- ELECTRICAL FEATURES ON PAGE B-33.
- MECHANICAL FEATURES ON PAGE B-84, B-85.

♣ = Reduced Frame

TEFC – THREE PHASE

WEG offers both JM and JP standardized types of close-coupled pump line of motors. Totally enclosed enclosures permit these motors to operate in moist or dusty atmospheres.



APPLICATIONS

Specially developed line for industrial and commercial pumping applications.

- Water pumping
- Process
- Transfer and circulating pumps

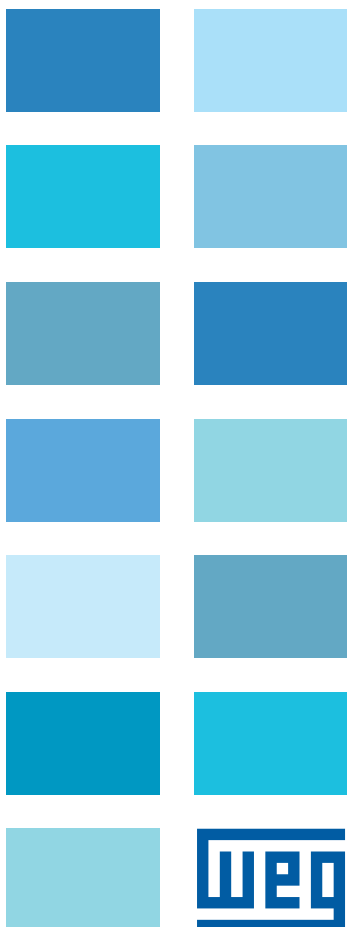
STANDARD FEATURES

- 3 phase, 2, 4, 6 and 8 pole, 60Hz
- Voltage: 208-230/460, 460V
- 12:1 Constant torque
100:1 Variable torque
- Cast iron frames
- Squirrel cage rotor / Aluminum die cast
- Totally Enclosed Fan Cooled - TEFC
- V-ring slingers on both endshields
- Ball bearings
- Service Factor: 1.25
- Class 'F' insulation
- Temperature rise: Class 'B' (80°C)
- Continuous Duty (S1)
- 104°F (40°C) ambient temperature
- Altitude: 3300 ft (1000m)
- 1045 carbon steel shaft
- F1 mount
- Stainless steel nameplate
- Paint: Enamel alkyd resin base
- Color: RAL 5009 – Blue
- NPT threaded terminal box
- Automatic drain plugs
- Regreasable bearings system (frames 254JM/JP frames and up)

OPTIONAL FEATURES

- Cable glands
- Special voltages
- Specially designed shaft
- Space heaters
- Second shaft end
- Thermistor, Thermostats or RTD's (PT100)
- Additional terminal box
- Stainless steel shaft
- 575V

* Design B torque rating on nameplate can be re-plated for Design C for 15-200Hp 1800 and 1200 rpm.





“JM” TYPE – TEFC – THREE-PHASE

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	“C” Dimension (in.)	Voltage	NOTES
1	1800	143JM	00118EP3E143JM	497	P1	47	1.49	82.5	14.304	208-230/460V	
1.5	3600	143JM	00156EP3E143JM	527	P1	45	1.99	82.5	14.304	208-230/460V	
	1800	145JM	00158EP3E145JM	509	P1	54	2.05	84.0	15.304	208-230/460V	
2	3600	145JM	00236EP3E145JM	583	P1	47	2.60	84.0	15.304	208-230/460V	
	1800	145JM	00218EP3E145JM	560	P1	56	2.70	84.0	15.304	208-230/460V	
3	3600	145JM	00336EP3E145JM	647	P1	54	3.71	85.5	15.304	208-230/460V	♣
	3600	182JM	00336EP3E182JM	744	P1	106	3.59	85.5	15.996	208-230/460V	
	1800	182JM	00318EP3E182JM	886	P1	97	3.90	87.5	15.996	208-230/460V	
5	3600	184JM	00536EP3E184JM	922	P1	114	5.90	87.5	17.020	208-230/460V	
	1800	184JM	00518EP3E184JM	993	P1	102	6.48	87.5	17.020	208-230/460V	
7.5	3600	184JM	00736EP3E184JM	1,125	P1	128	8.76	88.5	17.020	208-230/460V	♣
	3600	213JM	00736EP3E213JM	1,277	P1	150	8.66	88.5	18.678	208-230/460V	
	1800	213JM	00718EP3E213JM	1,256	P1	150	9.53	89.5	18.678	208-230/460V	
10	3600	215JM	01036EP3E215JM	1,581	P1	150	11.7	89.5	20.174	208-230/460V	
	1800	215JM	01018EP3E215JM	1,502	P1	165	12.8	90.2	20.174	208-230/460V	
15	3600	215JM	01536EP3E215JM	1,803	P1	174	17.3	90.2	20.174	208-230/460V	♣
	3600	254JM	01536EP3E254JM	2,029	P1	280	17.0	90.2	24.370	208-230/460V	
	1800	254JM	01518EP3E254JM	2,256	P1	266	17.9	91.0	24.370	208-230/460V	
20	3600	254JM	02036EP3E254JM	2,368	P1	304	23.3	90.2	24.370	208-230/460V	♣
	3600	256JM	02036EP3E256JM	2,568	P1	313	23.3	90.2	26.102	208-230/460V	
	1800	256JM	02018EP3E256JM	2,490	P1	313	24.4	91.0	26.102	208-230/460V	
25	3600	256JM	02536EP3E256JM	2,803	P1	313	28.4	91.0	26.102	208-230/460V	♣
	3600	284JM	02536EP3E284JM	2,989	P1	353	29.0	91.0	27.165	208-230/460V	
	1800	284JM	02518EP3E284JM	3,186	P1	437	29.6	92.4	27.165	208-230/460V	◆
30	3600	284JM	03036EP3E284JM	3,545	P1	399	33.8	91.0	27.165	208-230/460V	♣
	3600	286JM	03036EP3E286JM	3,797	P1	404	33.8	91.0	28.700	208-230/460V	
	1800	286JM	03018EP3E286JM	3,559	P1	481	34.4	92.4	28.700	208-230/460V	◆
40	3600*	286JM	04036EP3E286JM	4,353	P1	448	46.6	91.7	28.700	208-230/460V	♣
	3600	324JM	04036EP3E324JM	4,746	P1	561	46.1	91.7	28.149	208-230/460V	
	1800	324JM	04018EP3E324JM	4,803	P1	587	47.6	93.0	28.149	208-230/460V	◆
50	3600	324JM	05036EP3E324JM	5,070	P1	565	56.5	92.4	28.149	208-230/460V	♣
	3600	326JM	05036EP3E326JM	5,502	P1	594	56.5	92.4	29.645	208-230/460V	
	1800	326JM	05018EP3E326JM	5,500	P1	640	57.8	93.6	29.645	208-230/460V	◆
60	3600	326JM	06036EP3E326JM	6,598	P1	594	69.0	93.0	29.645	208-230/460V	♣
	3600	364JM	06036EP3E364JM	7,137	P1	917	69.0	93.0	33.031	208-230/460V	
	1800	326JM	06018EP3E326JM	7,349	P1	687	72.7	93.6	29.645	208-230/460V	♣◆
	1800	364JM	06018EP3E364JM	7,805	P1	963	67.0	93.6	33.031	208-230/460V	◆
75	3600	364JM	07536EP3E364JM	8,995	P1	1025	82.5	93.0	33.031	208-230/460V	♣
	1800	365JM	07518EP3E365JM	8,860	P1	1010	82.4	94.1	33.031	208-230/460V	◆

- ELECTRICAL FEATURES ON PAGE B-6, B-7.
- MECHANICAL FEATURES ON PAGE B-84, B-85.

♣ = Reduced Frame

◆ = Product may not be available from stock

CLOSE COUPLED PUMP MOTORS

HIGH EFFICIENCY



"JP" TYPE – TEFC – THREE-PHASE

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	"C" Dimension (in.)	Voltage	NOTES
1	1800	143JP	00118EP3E143JP	508	P1	47	1.49	82.5	17.365	208-230/460V	
1.5	3600	143JP	00156EP3E143JP	537	P1	45	1.99	82.5	17.365	208-230/460V	
	1800	145JP	00158EP3E145JP	519	P1	54	2.05	84.0	18.365	208-230/460V	
2	3600	145JP	00236EP3E145JP	594	P1	47	2.60	84.0	18.365	208-230/460V	
	1800	145JP	00218EP3E145JP	571	P1	56	2.70	84.0	18.365	208-230/460V	
3	3600	145JP	00336EP3E145JP	632	P1	54	3.71	85.5	18.365	208-230/460V	♣
	3600	182JP	00336EP3E182JP	759	P1	106	3.59	85.5	19.057	208-230/460V	
	1800	182JP	00318EP3E182JP	905	P1	97	3.90	87.5	19.057	208-230/460V	
5	3600	184JP	00536EP3E184JP	941	P1	114	5.90	87.5	20.395	208-230/460V	
	1800	184JP	00518EP3E184JP	1,013	P1	102	6.48	87.5	20.395	208-230/460V	
7.5	3600	184JP	00736EP3E184JP	1,146	P1	128	8.76	88.5	20.395	208-230/460V	♣
	3600	213JP	00736EP3E213JP	1,303	P1	150	8.66	88.5	22.550	208-230/460V	
	1800	213JP	00718EP3E213JP	1,280	P1	150	9.53	89.5	22.550	208-230/460V	
10	3600	215JP	01036EP3E215JP	1,613	P1	150	11.7	89.5	24.046	208-230/460V	
	1800	215JP	01018EP3E215JP	1,533	P1	165	12.8	90.2	24.046	208-230/460V	
15	3600	215JP	01536EP3E215JP	1,791	P1	174	17.3	90.2	24.046	208-230/460V	♣
	3600	254JP	01536EP3E254JP	2,069	P1	280	17.0	90.2	26.964	208-230/460V	
	1800	254JP	01518EP3E254JP	2,300	P1	266	17.9	91.0	26.964	208-230/460V	♣
20	3600	254JP	02036EP3E254JP	2,451	P1	304	23.3	90.2	26.964	208-230/460V	♣
	3600	256JP	02036EP3E256JP	2,621	P1	313	23.3	90.2	28.736	208-230/460V	
	1800	256JP	02018EP3E256JP	2,541	P1	313	24.4	91.0	28.736	208-230/460V	◆
25	3600	256JP	02536EP3E256JP	2,790	P1	313	28.4	91.0	28.736	208-230/460V	♣
	3600	284JP	02536EP3E284JP	3,049	P1	353	29.0	91.0	30.079	208-230/460V	
	1800	284JP	02518EP3E284JP	3,249	P1	437	29.6	92.4	30.079	208-230/460V	◆
30	3600	284JP	03036EP3E284JP	3,519	P1	399	33.8	91.0	30.079	208-230/460V	♣
	3600	286JP	03036EP3E286JP	3,872	P1	404	33.8	91.0	31.575	208-230/460V	
	1800	286JP	03018EP3E286JP	3,630	P1	481	34.4	92.4	31.575	208-230/460V	◆
40	3600	286JP	04036EP3E286JP	4,545	P1	448	46.6	91.7	31.575	208-230/460V	♣
	3600	324JP	04036EP3E324JP	4,840	P1	561	46.1	91.7	32.525	208-230/460V	
	1800	324JP	04018EP3E324JP	4,900	P1	587	47.6	93.0	32.525	208-230/460V	◆
50	3600	324JP	05036EP3E324JP	4,954	P1	565	56.5	92.4	32.525	208-230/460V	♣
	3600	326JP	05036EP3E326JP	5,613	P1	594	56.5	92.4	34.021	208-230/460V	
	1800	326JP	05018EP3E326JP	5,611	P1	640	57.8	93.6	34.021	208-230/460V	◆
60	3600	326JP	06036EP3E326JP	7,954	P1	594	69.0	93.0	34.021	208-230/460V	♣
	3600	364JP	06036EP3E364JP	8,412	P1	917	69.0	93.0	35.916	208-230/460V	
	1800	326JP	06018EP3E326JP	7,176	P1	687	72.7	93.6	34.021	208-230/460V	◆ ♣
	1800	364JP	06018EP3E364JP	7,960	P1	963	67.0	93.6	35.916	208-230/460V	◆
75	3600	364JP	07536EP3E364JP	9,623	P1	1025	82.5	93.0	35.916	208-230/460V	♣
	3600	365JP	07536EP3E365JP	10,045	P1	1025	82.5	93.0	35.916	208-230/460V	
	1800	365JP	07518EP3E365JP	9,038	P1	1010	82.4	94.1	35.916	208-230/460V	◆
100	3600	405JP	10036EP3E405JP	11,449	P1	1361	113	93.6	38.911	208-230/460V	
	3600	405JP	10036EP3G405JP	11,449	P1	1361	113	93.6	38.911	460V	
	1800	405JP	10018EP3E405JP	10,269	P1	1273	115	94.5	38.911	208-230/460V	◆
	1800	405JP	10018EP3G405JP	10,269	P1	1273	115	94.5	38.911	460V	◆

• ELECTRICAL FEATURES ON PAGE B-6, B-7. • MECHANICAL FEATURES ON PAGE B-84, B-85.

♣ = Reduced Frame

◆ = Product may not be available from stock

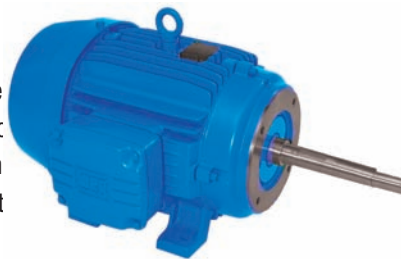


Pump Motors

Close Coupled - NEMA PREMIUM

TEFC – THREE PHASE

WEG offers both JM and JP standardize types of close-coupled pump line c motors. Totally enclosed enclosures perm these motors to operate in moist or dust atmospheres.



JP



JM

HIGHLIGHTS

- VFD Capable
- Cast Iron Flange

APPLICATIONS

Specially developed line for industrial and commercial pumping applications.

- Water pumping
- Process
- Transfer and circulating pumps

STANDARD FEATURES

- 3 phase, 2, 4, 6 and 8 pole, 60Hz
- Voltage: 208-230/460, 460V
- 20:1 Constant torque
100:1 Variable torque
- Cast iron frames
- Squirrel cage rotor / Aluminum die cast
- Totally Enclosed Fan Cooled - TEFC
- V-ring slingers on both endshields
- Ball bearings
- Service Factor: 1.25
- Class 'F' insulation
- Temperature rise: Class 'B' (80°C)
- Continuous Duty (S1)
- 104°F (40°C) ambient temperature
- Altitude: 3300 ft (1000m)
- 1045 carbon steel shaft
- F1 mount
- Stainless steel nameplate
- Paint: Enamel alkyd resin base
- Color: RAL 5009 – Blue
- NPT threaded terminal box
- Automatic drain plugs
- Regreasable bearings system (frames 254JM/JP frames and up)

OPTIONAL FEATURES

- Cable glands
- Special voltages
- Specially designed shaft
- Space heaters
- Second shaft end
- Thermistor, Thermostats or RTD's (PT100)
- Additional terminal box
- Stainless steel shaft
- 575V



CLOSE COUPLED PUMP MOTORS

NEMA PREMIUM



“JM” TYPE – TEFC – THREE-PHASE - NEMA PREMIUM

HP	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Approx. Shipp. Weight Lbs	FL Amps 460V	FL Eff. %	“C” Dimension (in.)	Voltage	Notes
1	1800	143JM	00118ET3E143JM	613	P1	51	1.43	85.5	14.304	208-230/460	
	1200	145JM	00112ET3E145JM	700	P1	53	1.73	82.5	15.304	208-230/460	
1.5	3600	143JM	00156ET3E143JM	710	P1	42	1.98	84.0	14.304	208-230/460	
	1800	145JM	00158ET3E145JM	643	P1	53	2.00	86.5	15.304	208-230/460	
	1200	182JM	00152ET3E182JM	909	P1	70	2.39	87.5	15.996	208-230/460	
2	3600	145JM	00236ET3E145JM	683	P1	49	2.65	85.5	15.304	208-230/460	
	1800	145JM	00218ET3E145JM	707	P1	55	2.63	86.5	15.304	208-230/460	
	1200	184JM	00212ET3E184JM	1,021	P1	88	3.23	88.5	17.020	208-230/460	
	3600	182JM	00336ET3E182JM	918	P1	90	3.68	87.5	15.996	208-230/460	
	1800	182JM	00318ET3E182JM	1,022	P1	90	3.90	89.5	15.996	208-230/460	
	1200	213JM	00312ET3E213JM	1,423	P1	121	4.41	89.5	18.678	208-230/460	
5	3600	184JM	00536ET3E184JM	1,075	P1	105	5.96	89.5	17.020	208-230/460	
	1800	184JM	00518ET3E184JM	1,141	P1	99	6.40	89.5	17.020	208-230/460	
	1200	215JM	00512ET3E215JM	1,769	P1	162	6.83	89.5	20.174	208-230/460	
7.5	3600	213JM	00736ET3E213JM	1,419	P1	121	8.63	91.0	18.678	208-230/460	
	1800	213JM	00718ET3E213JM	1,519	P1	152	9.29	91.7	18.678	208-230/460	
	1200	254JM	00712ET3E254JM	2,455	P1	256	9.73	91.0	24.370	208-230/460	
10	3600	215JM	01036ET3E215JM	1,769	P1	160	11.5	91.7	20.174	208-230/460	
	1800	215JM	01018ET3E215JM	1,792	P1	159	12.6	91.7	20.174	208-230/460	
	1200	256JM	01012ET3E256JM	2,979	P1	289	13.3	91.0	26.102	208-230/460	
15	3600	215JM	01536ET3E215JM	2,058	P1	171	17.0	91.0	20.174	208-230/460	
	3600	254JM	01536ET3E254JM	2,214	P1	254	16.9	91.7	24.370	208-230/460	
	1800	254JM	01518ET3E254JM	2,609	P1	265	18.0	92.4	24.370	208-230/460	
	1200	284JM	01512ET3E284JM	3,912	P1	320	17.3	91.7	27.165	208-230/460	
20	3600	256JM	02036ET3E256JM	2,965	P1	287	22.9	92.4	26.102	208-230/460	
	1800	256JM	02018ET3E256JM	2,857	P1	298	24.4	93.0	26.102	208-230/460	
	1200	286JM	02012ET3E286JM	4,940	P1	463	24.1	91.7	28.700	208-230/460	
25	3600	284JM	02536ET3E284JM	3,619	P1	313	28.4	93.0	27.165	208-230/460	
	1800	284JM	02518ET3E284JM	3,734	P1	441	29.5	93.6	27.165	208-230/460	
	1200	324JM	02512ET3E324JM	5,546	P1	560	30.5	93.0	28.149	208-230/460	
30	3600	286JM	03036ET3E286JM	4,539	P1	388	33.4	93.0	28.700	208-230/460	
	1800	286JM	03018ET3E286JM	4,096	P1	485	35.1	93.6	28.700	208-230/460	
	1200	326JM	03012ET3E326JM	6,686	P1	628	35.8	93.0	29.645	208-230/460	
40	3600	324JM	04036ET3E324JM	5,534	P1	516	45.8	93.6	28.149	208-230/460	
	1800	324JM	04018ET3E324JM	5,316	P1	595	48.3	94.1	28.149	208-230/460	
	1200	364JM	04012ET3E364JM	8,807	P1	966	47.1	94.1	33.031	208-230/460	
50	3600	326JM	05036ET3E326JM	6,622	P1	562	55.5	94.1	29.645	208-230/460	
	1800	326JM	05018ET3E326JM	6,513	P1	617	60.6	94.5	29.645	208-230/460	
	1200	365JM	05012ET3E365JM	10,551	P1	1016	58.0	94.1	33.031	208-230/460	
60	3600	364JM	06036ET3E364JM	8,261	P1	882	68.3	94.1	33.031	208-230/460	
	1800	364JM	06018ET3E364JM	8,912	P1	926	68.4	95.0	33.031	208-230/460	
75	3600	365JM	07536ET3E365JM	11,124	P1	915	80.8	95.0	33.031	208-230/460	
	1800	365JM	07518ET3E365JM	10,057	P1	937	82.3	95.4	33.031	208-230/460	

- ELECTRICAL FEATURES ON PAGE B-14, B-15.
- MECHANICAL FEATURES ON PAGE B-84, B-85.

Can't find what you are looking for? Call 1-800-ASK-4WEG (275-4934)

Data subject to change without notice.



“JP” TYPE – TEFC – THREE-PHASE - NEMA PREMIUM

HP	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Approx. Shipp. Weight Lbs	FL Amps 460V	FL Eff. %	“C” Dimension (in.)	Voltage	Notes
1	1800	143JP	00118ET3E143JP	624	P1	51	1.43	85.5	17.365	208-230/460	
	1200	145JP	00112ET3E145JP	714	P1	53	1.73	82.5	18.365	208-230/460	
1.5	3600	143JP	00156ET3E143JP	649	P1	42	1.98	84.0	17.365	208-230/460	
	1800	145JP	00158ET3E145JP	653	P1	53	2.00	86.5	18.365	208-230/460	
	1200	182JP	00152ET3E182JP	924	P1	70	2.39	87.5	19.057	208-230/460	
2	3600	145JP	00236ET3E145JP	694	P1	49	2.65	85.5	18.365	208-230/460	
	1800	145JP	00218ET3E145JP	718	P1	55	2.63	86.5	18.365	208-230/460	
	1200	184JP	00212ET3E184JP	1,040	P1	88	3.23	88.5	20.395	208-230/460	
3	3600	182JP	00336ET3E182JP	933	P1	90	3.68	87.5	19.057	208-230/460	
	1800	182JP	00318ET3E182JP	1,041	P1	90	3.90	89.5	19.057	208-230/460	
	1200	213JP	00312ET3E213JP	1,449	P1	121	4.41	89.5	22.55	208-230/460	
5	3600	184JP	00536ET3E184JP	1,094	P1	105	5.96	89.5	20.395	208-230/460	
	1800	184JP	00518ET3E184JP	1,161	P1	99	6.40	89.5	20.395	208-230/460	
	1200	215JP	00512ET3E215JP	1,801	P1	162	6.83	89.5	24.046	208-230/460	
7.5	3600	213JP	00736ET3E213JP	1,445	P1	121	8.63	91.0	22.55	208-230/460	
	1800	213JP	00718ET3E213JP	1,543	P1	152	9.29	91.7	22.55	208-230/460	
	1200	254JP	00712ET3E254JP	2,495	P1	256	9.73	91.0	26.964	208-230/460	
10	3600	215JP	01036ET3E215JP	1,801	P1	160	11.5	91.7	24.046	208-230/460	
	1800	215JP	01018ET3E215JP	1,823	P1	159	12.6	91.7	24.046	208-230/460	
	1200	256JP	01012ET3E256JP	3,103	P1	289	13.3	91.0	28.736	208-230/460	
15	3600	254JP	01536ET3E254JP	2,629	P1	254	16.9	91.7	26.964	208-230/460	
	1800	254JP	01518ET3E254JP	2,653	P1	265	18.0	92.4	26.964	208-230/460	
	1200	284JP	01512ET3E284JP	3,972	P1	320	17.3	91.7	30.079	208-230/460	
20	3600	256JP	02036ET3E256JP	3,018	P1	287	22.9	92.4	28.736	208-230/460	
	1800	256JP	02018ET3E256JP	2,908	P1	298	24.4	93.0	28.736	208-230/460	
	1200	286JP	02012ET3E286JP	5,015	P1	463	24.1	91.7	31.575	208-230/460	
25	3600	284JP	02536ET3E284JP	3,679	P1	313	28.4	93.0	30.079	208-230/460	
	1800	284JP	02518ET3E284JP	3,797	P1	441	29.5	93.6	30.079	208-230/460	
	1200	324JP	02512ET3E324JP	5,972	P1	560	30.5	93.0	32.525	208-230/460	
30	3600	286JP	03036ET3E286JP	4,614	P1	388	33.4	93.0	31.575	208-230/460	
	1800	286JP	03018ET3E286JP	4,167	P1	485	35.1	93.6	31.575	208-230/460	
	1200	326JP	03012ET3E326JP	6,690	P1	628	35.8	93.0	34.021	208-230/460	
40	3600	324JP	04036ET3E324JP	5,628	P1	516	45.8	93.6	32.525	208-230/460	
	1800	324JP	04018ET3E324JP	5,413	P1	595	48.3	94.1	32.525	208-230/460	
	1200	364JP	04012ET3E364JP	9,268	P1	966	47.1	94.1	35.916	208-230/460	
50	3600	326JP	05036ET3E326JP	6,733	P1	562	55.5	94.1	34.021	208-230/460	
	1800	326JP	05018ET3E326JP	6,624	P1	617	60.6	94.5	34.021	208-230/460	
	1200	365JP	05012ET3E365JP	10,748	P1	1016	58.0	94.1	35.916	208-230/460	
60	3600	364JP	06036ET3E364JP	10,252	P1	882	68.3	94.1	35.916	208-230/460	
	1800	364JP	06018ET3E364JP	9,619	P1	926	68.4	95.0	35.916	208-230/460	
	1200	404JP	06012ET3E404JP	12,444	P1	1190	70.4	94.5	38.911	208-230/460	
75	3600	365JP	07536ET3E365JP	11,321	P1	915	80.8	95.0	35.916	208-230/460	
	1800	365JP	07518ET3E365JP	10,235	P1	937	82.3	95.4	35.916	208-230/460	
	1200	405JP	07512ET3E405JP	14,005	P1	1323	87.0	94.5	38.911	208-230/460	
100	3600	405JP	10036ET3E405JP	13,949	P1	1206	110	95.0	38.911	208-230/460	
	3600	405JP	10036ET3G405JP	13,949	P1	1206	110	95.0	38.911	460	
	1800	405JP	10018ET3E405JP	12,411	P1	1146	112	95.4	38.911	208-230/460	
	1800	405JP	10018ET3G405JP	12,411	P1	1146	112	95.4	38.911	460	

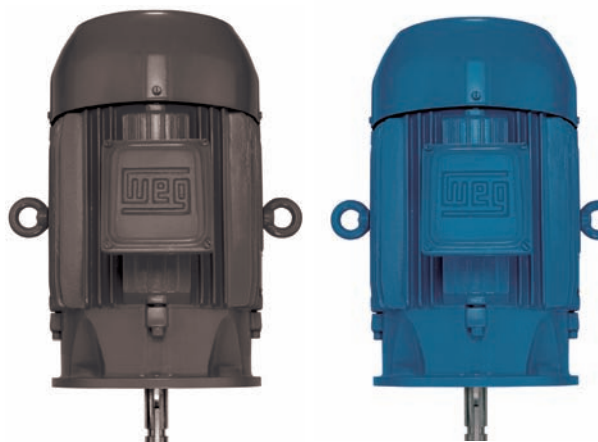
• ELECTRICAL FEATURES ON PAGE B-14, B-15.

• MECHANICAL FEATURES ON PAGE B-84, B-85.

Pump Motors P-Base

THREE PHASE

HP and HPH types are available. These motors are suitable for dusty or moist environments and provide high starting torque, with efficient performance.



Standard Efficiency

High Efficiency



APPLICATIONS

Normal thrust in-line pump applications

- Waste water treatment plants
- Petro chemical industries
- Pulp and paper mills
- Agricultural irrigation

OPTIONAL FEATURES

- Cable glands
- Special voltages
- Space heaters
- Thermistor, Thermostats or RTD's (PT100)
- Additional terminal box
- Stainless steel shaft
- Design C for High Efficiency and NEMA Premium Efficiency
- Insulation class "H"
- 575V
- 6 & 8 pole, 60Hz



NOTE: Motors are tested according to IEEE 112 std. - method 'B' or C390 CSA .
High Efficiency motors are suitable for Inverter Duty.

STANDARD FEATURES

- Three-phase, 2, 4 pole, 60Hz
- Voltage: 208-230/460, 460
- HP type: from frames 143HP up to 445HP
- HPH type: frames 284/6HPH and 404/5HPH
- Squirrel cage rotor / Aluminum die cast
- Totally Enclosed Fan Cooled- TEFC (IP55)
- V-ring slingers on both endshields
- Cast iron frame
- Ball bearings
- Class 'F' insulation for all frames
- Service factor for High Efficiency: 1.25 up to 100HP
1.15 from 125HP and up
- Service Factor for Standard Efficiency: 1.15
- Temperature rise: Class 'B' (80°C)
- Continuous Duty (S1)
- 104°F (40°C) ambient temperature
- Altitude: 3300 ft (1000 m)
- 1045 carbon steel shaft
- Usual mounting: V1 - footless
- Stainless steel nameplate
- Paint: Enamel alkyd resin base
- Color: RAL 7022 - Dark Gray (Standard Efficiency)
- Color: RAL 5009 - Blue (High Efficiency)
- NPT threaded terminal box
- Automatic drain plugs
- Regreasable bearings system (frames 254HP and up)
- Drip cover (canopy)
- Class I, Div 2. Groups A, B, C, D & T3



HP & HPH TYPE – TEFC STANDARD EFFICIENCY

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	"C" Dimension (in.)	Voltage	NOTES
1	1800	143HP	00118ES3E143HP	375	P1F	40	1.51	78.0	13.421	208-230/460V	
1.5	3600	143HP	00156ES3E143HP	390	P1F	40	2.04	78.0	13.421	208-230/460V	
	1800	145HP	00158ES3E145HP	396	P1F	40	2.19	79.0	14.397	208-230/460V	
2	3600	145HP	00236ES3E145HP	405	P1F	44	2.73	78.5	14.397	208-230/460V	
	1800	145HP	00218ES3E145HP	436	P1F	52	2.93	82.5	14.397	208-230/460V	
3	3600	145HP	00336ES3E145HP	548	P1F	49	4.04	81.5	14.397	208-230/460V	♣
	3600	182HP	00336ES3E182HP	602	P1F	88	4.04	81.5	15.504	208-230/460V	
	1800	182HP	00318ES3E182HP	606	P1F	73	4.13	81.5	15.504	208-230/460V	
5	3600	182HP	00536ES3E182HP	604	P1F	93	6.15	84.5	15.504	208-230/460V	♣
	3600	184HP	00536ES3E184HP	721	P1F	97	6.15	84.5	16.504	208-230/460V	
	1800	182HP	00518ES3E182HP	723	P1F	106	6.50	85.0	15.504	208-230/460V	♣
	1800	184HP	00518ES3E184HP	786	P1F	106	6.50	85.0	16.504	208-230/460V	
7.5	3600	184HP	00736ES3E184HP	908	P1F	99	9.15	86.7	16.504	208-230/460V	♣
	3600	213HP	00736ES3E213HP	972	P1F	145	8.95	86.5	18.630	208-230/460V	
	1800	213HP	00718ES3E213HP	998	P1F	152	9.70	87.0	18.630	208-230/460V	
10	3600	213HP	01036ES3E213HP	1,032	P1F	154	12.2	87.6	18.630	208-230/460V	
	3600	215HP	01036ES3E215HP	1,044	P1F	156	12.2	87.6	20.126	208-230/460V	
	1800	213HP	01018ES3E213HP	1,062	P1F	150	12.8	89.0	18.630	208-230/460V	
	1800	215HP	01018ES3E215HP	1,148	P1F	150	12.8	89.0	20.126	208-230/460V	
15	3600	215HP	01536ES3E215HP	1,311	P1F	172	17.7	87.8	20.126	208-230/460V	♣
	3600	254HP	01536ES3E254HP	1,509	P1F	260	18.2	87.5	23.723	208-230/460V	
	1800	254HP	01518ES3E254HP	1,669	P1F	233	18.8	88.5	23.723	208-230/460V	
20	3600	254HP	02036ES3E254HP	1,643	P1F	255	24.1	89.0	23.723	208-230/460V	♣
	3600	256HP	02036ES3E256HP	1,796	P1F	269	24.1	89.0	25.455	208-230/460V	
	1800	256HP	02018ES3E256HP	1,824	P1F	277	25.2	90.2	25.455	208-230/460V	
25	3600	256HP	02536ES3E256HP	2,133	P1F	271	29.5	89.5	25.455	208-230/460V	♣
	3600	284HP	02536ES3E284HP	2,474	P1F	346	29.7	89.0	26.350	208-230/460V	
	3600	284HPH	02536ES3E284HPH	2,474	P1F	346	29.7	89.0	25.100	208-230/460V	
	1800	284HP	02518ES3E284HP	2,556	P1F	371	30.2	90.5	26.350	208-230/460V	
	1800	284HPH	02518ES3E284HPH	2,556	P1F	371	30.2	90.5	28.100	208-230/460V	
30	3600	284HP	03036ES3E284HP	2,695	P1F	395	35.1	89.5	26.350	208-230/460V	♣
	3600	286HP	03036ES3E286HP	2,772	P1F	399	35.1	89.5	27.845	208-230/460V	
	3600	286HPH	03036ES3E286HPH	2,772	P1F	399	35.1	89.5	29.595	208-230/460V	
	1800	286HP	03018ES3E286HP	2,730	P1F	393	36.1	91.0	27.845	208-230/460V	
	1800	286HPH	03018ES3E286HPH	2,730	P1F	393	36.1	91.0	29.595	208-230/460V	
40	3600*	286HP	04036ES3E286HP	3,329	P1F	404	48.6	90.2	27.845	208-230/460V	♣
	3600	324HP	04036ES3E324HP	3,584	P1F	515	47.4	90.4	30.403	208-230/460V	
	1800	324HP	04018ES3E324HP	3,476	P1F	506	48.3	91.7	30.403	208-230/460V	
50	3600	324HP	05036ES3E324HP	3,899	P1F	563	57.0	92.2	30.403	208-230/460V	♣
	3600	326HP	05036ES3E326HP	4,178	P1F	574	57.0	92.2	31.897	208-230/460V	
	1800	326HP	05018ES3E326HP	4,035	P1F	557	58.5	92.4	31.897	208-230/460V	
60	3600	326HP	06036ES3E326HP	5,533	P1F	640	70.5	92.0	31.897	208-230/460V	♣
	3600	364HP	06036ES3E364HP	6,147	P1F	948	68.5	91.7	33.684	208-230/460V	
	1800	326HP	06018ES3E326HP	6,074	P1F	640	72.0	92.5	31.897	208-230/460V	♣
	1800	364HP	06018ES3E364HP	6,966	P1F	948	70.0	93.0	33.684	208-230/460V	
75	3600	364HP	07536ES3E364HP	8,343	P1F	1058	83.0	92.4	33.684	208-230/460V	♣
	3600	365HP	07536ES3E365HP	8,654	P1F	1058	83.0	92.4	33.684	208-230/460V	
	1800	365HP	07518ES3E365HP	7,362	P1F	1025	84.5	93.0	33.684	208-230/460V	
100	3600	404HP	10036ES3E404HP	8,819	P1F	1180	111	93.0	36.674	208-230/460V	♣
	1800	405HP	10018ES3E405HP	8,762	P1F	1302	116	93.2	36.674	208-230/460V	♣
	1800	405HP	10018ES3G405HP	8,762	P1F	1302	116	93.2	36.674	460V	
	1800	405HPH	10018ES3E405HPH	8,762	P1F	1302	116	93.2	36.674	208-230/460V	
	1800	405HPH	10018ES3G405HPH	8,762	P1F	1302	116	93.2	36.674	460V	

• ELECTRICAL FEATURES ON PAGE B-34. • MECHANICAL FEATURES ON PAGE B-86.

♣ = Reduced Frame



HP & HPH TYPE – TEFC – STANDARD EFFICIENCY

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	“C” Dimension (in.)	Voltage	NOTES
125	3600	444HP	12536ES3G444HP	14,261	P1F	1797	138	93.0	40.012	460V	
	1800	444HP	12518ES3G444HP	12,450	P1F	1742	141	93.2	40.012	460V	
150	3600	445HP	15036ES3G445HP	16,283	P1F	1797	165	93.3	40.012	460V	
	1800	445HP	15018ES3G445HP	14,162	P1F	1940	170	93.5	40.012	460V	

- ELECTRICAL FEATURES ON PAGE B-34.
- MECHANICAL FEATURES ON PAGE B-59 & B-98.



HP & HPH TYPE – TEFC – HIGH EFFICIENCY

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	“C” Dimension (in.)	Voltage	NOTES
1	1800	143HP	00118EP3E143HP	503	P1F	47	1.49	82.5	13.421	208-230/460V	
1.5	3600	143HP	00156EP3E143HP	546	P1F	45	1.99	82.5	13.421	208-230/460V	
	1800	145HP	00158EP3E145HP	529	P1F	54	2.05	84.0	14.397	208-230/460V	
2	3600	145HP	00236EP3E145HP	553	P1F	47	2.60	84.0	14.397	208-230/460V	
	1800	145HP	00218EP3E145HP	583	P1F	56	2.70	84.0	14.397	208-230/460V	
3	3600	145HP#	00336EP3E145HP	822	P1F	54	3.71	85.5	14.397	208-230/460V	
	3600	182HP	00336EP3E182HP	881	P1F	106	3.59	85.5	15.504	208-230/460V	
	1800	182HP	00318EP3E182HP	879	P1F	97	3.90	87.5	15.504	208-230/460V	
5	3600	184HP	00536EP3E184HP	1,032	P1F	114	5.90	87.5	16.504	208-230/460V	
	1800	184HP	00518EP3E184HP	995	P1F	102	6.48	87.5	16.504	208-230/460V	
7.5	3600	184HP#	00736EP3E184HP	1,268	P1F	128	8.76	88.5	16.504	208-230/460V	
	3600	213HP	00736EP3E213HP	1,371	P1F	150	8.66	88.5	18.630	208-230/460V	
	1800	213HP	00718EP3E213HP	1,306	P1F	150	9.53	89.5	18.630	208-230/460V	
10	3600	215HP	01036EP3E215HP	1,645	P1F	150	11.7	89.5	20.126	208-230/460V	
	1800	215HP	01018EP3E215HP	1,563	P1F	165	12.8	90.2	20.126	208-230/460V	
15	3600	215HP#	01536EP3E215HP	2,133	P1F	174	17.3	90.2	20.126	208-230/460V	
	3600	254HP	01536EP3E254HP	2,345	P1F	280	17.0	90.2	23.723	208-230/460V	
	1800	254HP	01518EP3E254HP	2,346	P1F	266	17.9	91.0	23.723	208-230/460V	
20	3600	254HP#	02036EP3E254HP	2,608	P1F	304	23.3	90.2	23.723	208-230/460V	
	3600	256HP	02036EP3E256HP	2,814	P1F	313	23.3	90.2	25.455	208-230/460V	
	1800	256HP	02018EP3E256HP	2,591	P1F	313	24.4	91.0	25.455	208-230/460V	
25	3600	256HP#	02536EP3E256HP	3,177	P1F	313	28.4	91.0	25.455	208-230/460V	
	3600	284HP	02536EP3E284HP	3,454	P1F	353	29.0	91.0	26.350	208-230/460V	
	3600	284HPH	02536EP3E284HPH	3,454	P1F	353	29.0	91.0	28.100	208-230/460V	
	1800	284HP	02518EP3E284HP	3,451	P1F	437	29.6	92.4	26.350	208-230/460V	
	1800	284HPH	02518EP3E284HPH	3,451	P1F	437	29.6	92.4	28.100	208-230/460V	

- ELECTRICAL FEATURES ON PAGE B-35.
- MECHANICAL FEATURES ON PAGE B-86.
- ♣ = Reduced Frame



HP & HPH TYPE – TEFC HIGH EFFICIENCY

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	"C" Dimension (in.)	Voltage	NOTES
30	3600	284HP#	03036EP3E284HP	3,848	P1F	399	33.8	91.0	26.350	208-230/460V	
	3600	286HP	03036EP3E286HP	4,157	P1F	404	33.8	91.0	27.845	208-230/460V	
	3600	286HPH	03036EP3E286HPH	4,157	P1F	404	33.8	91.0	29.595	208-230/460V	
	1800	286HP	03018EP3E286HP	3,778	P1F	481	34.4	92.4	27.845	208-230/460V	
	1800	286HPH	03018EP3E286HPH	3,778	P1F	481	34.4	92.4	29.595	208-230/460V	
40	3600	286HP#	04036EP3E286HP	4,914	P1F	448	46.6	91.7	27.845	208-230/460V	
	3600	324HP	04036EP3E324HP	5,197	P1F	561	46.1	91.7	30.403	208-230/460V	
	1800	324HP	04018EP3E324HP	4,997	P1F	587	47.6	93.0	30.403	208-230/460V	
50	3600*	324HP#	05036EP3E324HP	6,153	P1F	565	56.5	92.4	30.403	208-230/460V	
	3600	326HP	05036EP3E326HP	6,363	P1F	594	56.5	92.4	31.897	208-230/460V	
	1800	326HP	05018EP3E326HP	5,723	P1F	640	57.8	93.6	31.897	208-230/460V	
60	3600	326HP#	06036EP3E326HP	8,221	P1F	594	69.0	93.0	31.897	208-230/460V	
	3600	364HP	06036EP3E364HP	9,032	P1F	917	69.0	93.0	33.684	208-230/460V	
	1800	326HP#	06018EP3E326HP	7,641	P1F	640	71.0	93.6	31.897	208-230/460V	
	1800	364HP	06018EP3E364HP	8,119	P1F	963	67.0	93.6	33.684	208-230/460V	
75	3600	365HP	07536EP3E365HP	10,454	P1F	1025	82.5	93.0	33.684	208-230/460V	
	1800	365HP	07518EP3E365HP	8,907	P1F	1010	82.4	94.1	33.684	208-230/460V	
100	3600	405HP	10036EP3E405HP	12,293	P1F	1361	113	93.6	36.674	208-230/460V	
	3600	405HP	10036EP3G405HP	12,293	P1F	1361	113	93.6	36.674	460V	
	3600	405HPH	10036EP3E405HPH	12,293	P1F	1361	113	93.6	36.674	208-230/460V	
	3600	405HPH	10036EP3G405HPH	12,293	P1F	1361	113	93.6	36.674	460V	
	1800	405HP	10018EP3E405HP	10,688	P1F	1273	115	94.5	36.674	208-230/460V	
	1800	405HP	10018EP3G405HP	10,688	P1F	1273	115	94.5	36.674	460V	
	1800	405HPH	10018EP3E405HPH	10,688	P1F	1273	115	94.5	36.674	208-230/460V	
	1800	405HPH	10018EP3G405HPH	10,688	P1F	1273	115	94.5	36.674	460V	
125	3600	444HP	12536EP3G444HP	17,113	P1F	1801	131	94.5	40.012	460V	
	1800	444HP	12518EP3G444HP	14,940	P1F	1647	138	94.5	40.012	460V	
150	3600	445HP	15036EP3G445HP	19,540	P1F	1865	160	94.5	40.012	460V	
	1800	445HP	15018EP3G445HP	16,995	P1F	1841	168	95.0	40.012	460V	

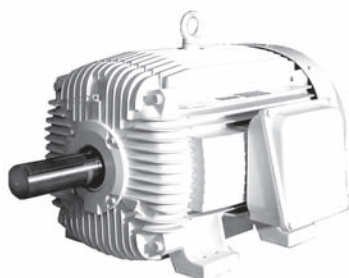
• ELECTRICAL FEATURES ON PAGE B-34.

• MECHANICAL FEATURES ON PAGE B-86.

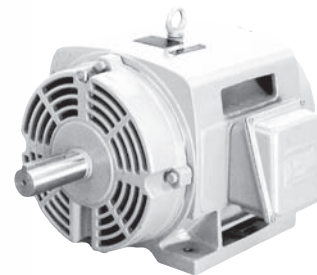
♣ = Reduced Frame

THREE PHASE

These special motors have the high slip and high torque that oil well beam pumping units demand. WEG oil well pumping motors are requested on specifications for most major oil companies around the world as a result of their long lasting performance, low purchase and maintenance cost.



TEFC



ODP



APPLICATIONS

- Beam Pumps
- Sucker Rod Pumps
- Other applications requiring high starting torque or high slip

OPTIONAL FEATURES

- Special voltages
- Other mountings
- Specially designed shaft
- Space heaters
- Second shaft end
- Thermistors, Thermostats or RTD's (PT100)
- Additional terminal box
- Stainless steel shaft
- 575V

FRAME – SPECIFIC FEATURES (ODP ONLY)

For Frames 184T and 213/5T only (ODP only)

- Welded steel plate frames (welded feet)
- Aluminum endshields and terminal box
- Cooling system with finned rotor
- ZZ bearing (double shielded)
- Degree of protection: IP21
- Service factor: 1.0

For Frames 254/6T and up (ODP only)

- Cast iron frames
- Cast iron endshields and terminal box
- Cooling system with finned rotor
- Regreasable bearings positive pressure lubrication system (frame 254T and up)
- Degree of protection: IP23
- Rodent screen
- Service factor: 1.0

ONLY FOR TEFC (IP55 MOTORS)

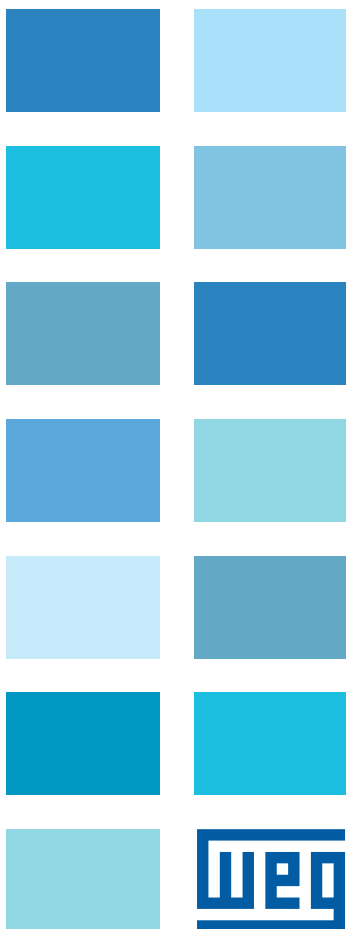
- V-ring slingers on both endshields
- Service factor: 1.15

HIGH STARTING and

BREAKDOWN TORQUE -

NEMA DESIGN 'D' (5 - 8% SLIP)

- Single and triple rated available
- Three-phase, 60Hz
- Voltage: 208-230/460
- 184T up to 445T cast iron frames
- 6 and 8 pole
- Squirrel cage rotor / Aluminum die cast
- Ball bearings are supplied as standard (100 HP & above Roller Bearings)
- 1045 Carbon Steel Shaft for frames up to 365T. 4140 steel shaft for motors 404T and above.
- Enclosure: Open Drip Proof (ODP) and Totally Enclosed Fan Cooled (TEFC)
- Dimensions according to NEMA standard
- Class 'F' insulation ('B' temperature rise)
- Continuous duty (S1)
- 104°F (40°C) ambient temperature
- Altitude: 3300 ft (1000m)
- F2 mount
- Stainless steel nameplate
- Paint: Enamel alkyd resin base
- NPT threaded terminal box
- Plastic drain plugs
- Regreasable bearings system (frames 254T and up)
- Shaft slingers (V-ring)(TEFC only)
- Rodent screens (ODP only)
- Service factor: 1.00 (ODP only)
- Service factor: 1.15 (TEFC only)
- Color: RAL 9010 (White)
- Roller bearings on frame 404T and up





HIGH SLIP – NEMA DESIGN ‘D’ ODP WITH SCREENS

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	“C” Dimension (in.)	Voltage	NOTES
1.5	1200	184T	001520S2E0W184T	776	P1E	68	2.70	71.0	14.291	208-230/460V	
2	1200	184T	002120S3E0W184T	793	P1E	79	3.20	81.3	14.291	208-230/460V	
3	1200	213T	003120S3E0W213T	866	P1E	101	4.70	80.7	17.165	208-230/460V	
5	1200	215T	005120S3E0W215T	989	P1E	128	7.10	86.5	17.165	208-230/460V	
7.5	1200	254T	007120S3E0W254T	1,434	P1E	280	10.2	79.0	20.669	208-230/460V	
10	1200	256T	010120S3E0W256T	1,796	P1E	416	13.7	80.0	22.401	208-230/460V	
15	1200	284T	015120S3E0W284T	2,441	P1E	438	18.2	86.5	23.386	208-230/460V	
20	1200	286T	020120S3E0W286T	2,603	P1E	600	24.5	86.5	24.882	208-230/460V	
25	1200	324T	025120S3E0W324T	3,247	P1E	613	33.2	87.5	26.181	208-230/460V	
30	1200	326T	030120S3E0W326T	3,848	P1E	745	39.1	87.8	27.667	208-230/460V	
40	1200	365T	040120S3E0W365T	5,277	P1E	970	50.0	89.5	29.764	208-230/460V	
50	1200	405T	050120S3E0W405T	6,834	P1E	1200	61.3	90.2	34.133	208-230/460V	
60	1200	405T	060120S3E0W405T	7,495	P1E	1355	75.0	88.5	34.133	208-230/460V	
75	1200	445T	075120S3E0W445T	12,308	P1E	1476	95.7	90.2	39.803	208-230/460V	
100	1200	445T	100120S3E0W445T	13,078	P1E	2161	127	90.2	39.803	208-230/460V	

- ELECTRICAL FEATURES ON PAGE B-36.
- MECHANICAL FEATURES ON PAGE B-87, B-88.



HIGH SLIP – NEMA DESIGN ‘D’ – TEFC

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	“C” Dimension (in.)	Voltage	NOTES
3	1200	215T	00312ES3E0W215T	1,027	P1E	128	5.00	75.7	19.517	208-230/460V	
5	1200	215T	00512ES3E0W215T	1,170	P1E	183	7.40	77.5	19.517	208-230/460V	
	900	256T	00509ES3E0W256T	2,242	P1E	284	7.25	77.0	24.945	208-230/460V	
7.5	1200	254T	00712ES3E0W254T	1,688	P1E	280	9.25	85.6	23.213	208-230/460V	
10	1200	256T	01012ES3E0W256T	2,070	P1E	326	12.5	85.6	24.945	208-230/460V	
	900	286T	01009ES3E0W286T	3,437	P1E	382	13.9	82.5	27.929	208-230/460V	
15	1200	284T	01512ES3E0W284T	2,679	P1E	455	18.0	87.1	26.433	208-230/460V	
	900	324T	01509ES3E0W324T	4,293	P1E	548	19.5	85.5	29.620	208-230/460V	
20	1200	286T	02012ES3E0W286T	3,162	P1E	488	24.5	87.3	27.929	208-230/460V	
	900	326T	02009ES3E0W326T	4,872	P1E	656	26.2	85.5	31.116	208-230/460V	
25	1200	324T	02512ES3E0W324T	3,887	P1E	607	30.0	88.9	29.620	208-230/460V	
30	1200	326T	03012ES3E0W326T	4,515	P1E	656	35.5	89.4	31.116	208-230/460V	
40	1200	365T	04012ES3E0W365T	6,290	P1E	950	52.5	87.5	33.709	208-230/460V	
50	1200	404T	05012ES3E0W404T	8,172	P1E	1189	62.0	88.1	38.077	208-230/460V	
60	1200	405T	06012ES3E0W405T	9,414	P1E	1500	78.5	89.0	38.077	208-230/460V	
75	1200	444T	07512ES3E0W444T	14,976	P1E	1720	90.0	87.0	43.776	208-230/460V	
100	1200	445T	10012ES3E0W445T	18,074	P1E	2039	115	88.0	43.776	208-230/460V	

- ELECTRICAL FEATURES ON PAGE B-36.
- MECHANICAL FEATURES ON PAGE B-87, B-88.

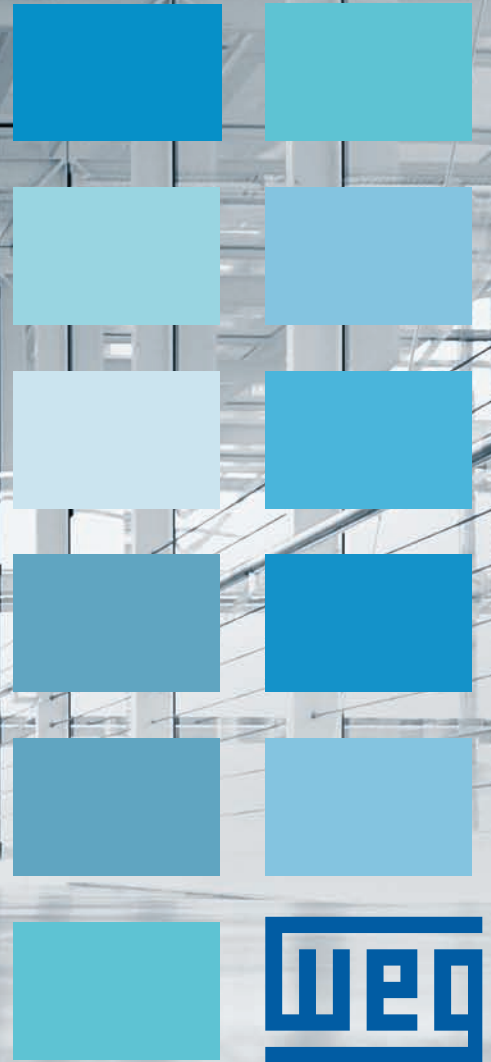
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We are there.
Global service means:
We are there for you.”



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Pump Motors

Pool and Spa Standard Efficiency

SINGLE PHASE

These motors are specially designed for Pool Duty. Available in High Service Factor and Low Service Factor with C-Face or Square Flange.



C-Face



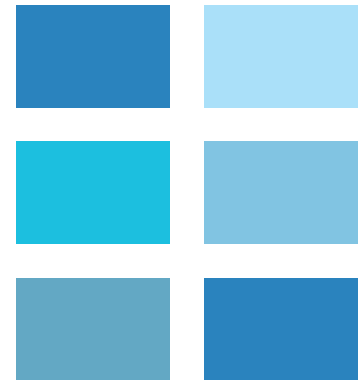
Square-Flange

APPLICATIONS

- Pool and Spa

STANDARD FEATURES

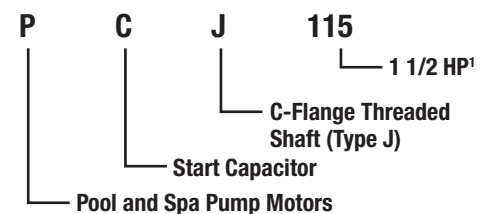
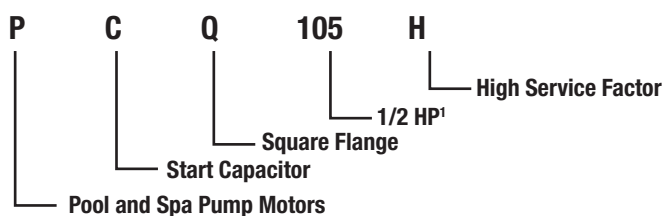
- Single-phase, 2 pole, 60Hz
- Voltage: 115/230V or 230V
- Cast Iron C-face or Aluminum Square Flange
- Open Drip Proof (ODP) IP21
- Dual Compartment up to 2 1/2HP
- 50°C Ambient
- Class 'B' insulation
- CCW (Pump end) - non reversible
- AISI 316 Stainless Steel Shaft
- Automatic overload protection
- Threaded Shaft
- Internal and external grounding
- Terminal box threaded NPT 1/2"
- D.E. sealed ball bearings
- D.E. Endshield sealing - V-ring
- Epoxy Coating
- '1081' Design



WEG MOTOR ITEM CODIFICATION FOR POOL AND SPA (MODEL NUMBERS)

THE WEG MODEL NUMBERS ARE DISTRIBUTED AS FOLLOWS:

X (Product Line)	X (Capacitor)	X (Flange)	XXX (HP)	X (Service Factor) Blank=Low / H=High
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HP¹ – 1/3HP (103) 1/2HP (105) 3/4HP (107) 1HP (110) 1 1/2HP (115) 2HP (120) 2 1/2HP (125) 3HP (130)



C-FACE – ODP – START CAPACITOR

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	Service Factor	FL Amps 460	FL Eff %	"C" Dimension (in.)	Voltage	NOTES
1/2	3600	K56J	PCJ105H	236	P1D	20	1.6	4.50	62.0	14.035	115/230V	
3/4	3600	K56J	PCJ107H	263	P1D	24	1.5	5.50	69.0	14.035	115/230V	
1	3600	L56J	PCJ110H	300	P1D	27	1.4	7.20	70.0	14.626	115/230V	
1 1/2	3600	M56J	PCJ115H	400	P1D	30	1.3	7.20	75.0	15.216	230V	▲
2	3600	M56J	PCJ120H	486	P1D	32	1.2	8.60	80.0	15.216	230V	▲

High Service Factor - Full Rate

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	Service Factor	FL Amps 460	FL Eff %	"C" Dimension (in.)	Voltage	NOTES
3/4	3600	K56J	PCJ107	236	P1D	20	1.3	5.20	67.0	14.035	115/230V	
1	3600	K56J	PCJ110	263	P1D	24	1.25	6.30	72.0	14.035	115/230V	
1 1/2	3600	L56J	PCJ115	300	P1D	27	1.1	8.90	72.0	14.626	115/230V	
2	3600	M56J	PCJ120	400	P1D	30	1.1	9.20	77.0	15.216	230V	▲
2 1/2	3600	M56J	PCJ125	486	P1D	32	1.04	10.6	80.0	15.216	230V	▲

Low Service Factor - Up Rate



SQUARE FLANGE – ODP – START CAPACITOR

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	Service Factor	FL Amps 460	FL Eff %	"C" Dimension (in.)	Voltage	NOTES
1/3	3600	K48Y	PCQ103H	231	P1D	18	1.95	3.40	54.0	13.032	115/230V	
1/2	3600	K48Y	PCQ105H	241	P1D	20	1.9	4.50	62.0	13.032	115/230V	
3/4	3600	K48Y	PCQ107H	275	P1D	24	1.65	5.50	69.0	13.032	115/230V	
1	3600	L48Y	PCQ110H	320	P1D	27	1.65	7.20	70.0	13.622	115/230V	
1 1/2	3600	M48Y	PCQ115H	411	P1D	30	1.5	7.20	75.0	14.213	230V	▲
2	3600	M48Y	PCQ120H	500	P1D	32	1.3	8.60	80.0	14.213	230V	▲

High Service Factor - Full Rate

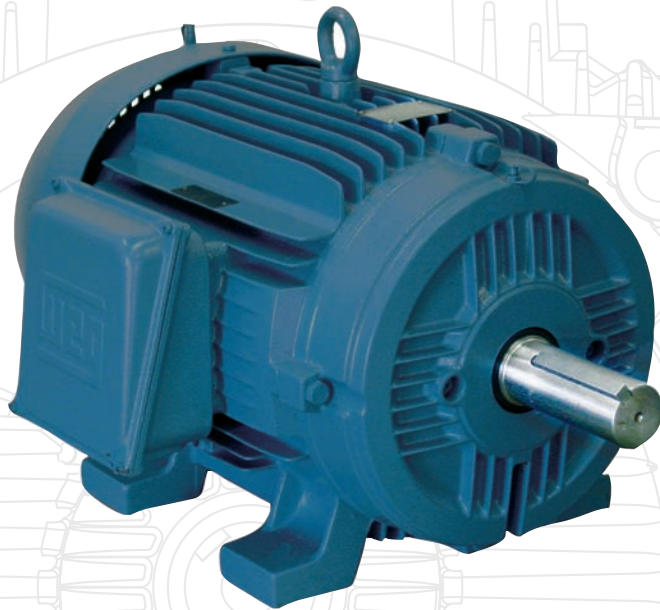
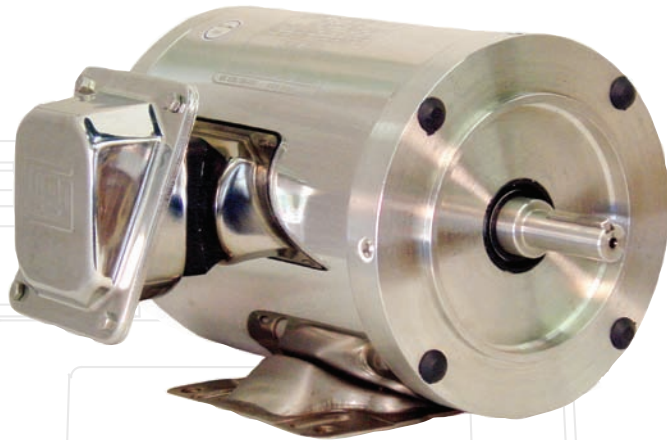
HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	Service Factor	FL Amps 460	FL Eff %	"C" Dimension (in.)	Voltage	NOTES
1/2	3600	K48Y	PCQ105	231	P1D	18	1.3	3.80	63.0	13.032	115/230V	
3/4	3600	K48Y	PCQ107	241	P1D	20	1.3	5.20	67.0	13.032	115/230V	
1	3600	K48Y	PCQ110	275	P1D	24	1.25	6.30	72.0	13.032	115/230V	
1 1/2	3600	L48Y	PCQ115	320	P1D	27	1.1	8.90	72.0	13.622	115/230V	
2	3600	M48Y	PCQ120	411	P1D	30	1.1	9.20	77.0	14.213	230V	▲
2 1/2	3600	M48Y	PCQ125	500	P1D	32	1.04	10.6	80.0	14.213	230V	▲

▲ = Energy Efficiency

• ELECTRICAL FEATURES ON PAGE B-37. • MECHANICAL FEATURES ON PAGE B-90.

CROSS REFERENCE

TYPE			HP	RPM	FRAME	WEG CATALOG NUMBER	A.O. SMITH/MAGNATEK CATALOG NUMBER	A.O. SMITH CATALOG NUMBER
START CAPACITOR	C-FLANGE (Threaded Shaft)	HIGH SERVICE FACTOR	1/2	3600	K56J	PCJ105H	B986 (NEPTUNE)	ST1052
			3/4	3600	K56J	PCJ107H	B988 (NEPTUNE)	ST1072
			1	3600	L56J	PCJ110H	B990 (NEPTUNE)	ST1102
			1 1/2	3600	M56J	PCJ115H	B992 (NEPTUNE)	ST1152 2)
			2	3600	M56J	PCJ120H	B993 (NEPTUNE)	ST1202
			3/4	3600	K56J	PCJ107	B995 (NEPTUNE)	UST1072
		LOW SERVICE FACTOR	2	3600	K56J	PCJ110	B996 (NEPTUNE)	UST1102
			1 1/2	3600	L56J	PCJ115	B997 (NEPTUNE)	UST1152
			2	3600	M56J	PCJ120	B998 (NEPTUNE)	UST1202
			2 1/2	3600	M56J	PCJ125	B999 (NEPTUNE)	UST1252
		HIGH SERVICE FACTOR	1/3	3600	K48Y	PCQ103H	B879 (NEPTUNE)	SQ1032
			1/2	3600	K48Y	PCQ105H	B880 (NEPTUNE)	SQ1052
			3/4	3600	K48Y	PCQ107H	B881 (NEPTUNE)	SQ1072
			1	3600	L48Y	PCQ110H	B883 (NEPTUNE)	SQ1102
			1 1/2	3600	M48Y	PCQ115H	B875 (NEPTUNE)	SQ1152 4)
			2	3600	M48Y	PCQ120H	B877 (NEPTUNE)	SQ1202
			1/2	3600	K48Y	PCQ105	B882 (NEPTUNE)	USQ1052
			3/4	3600	K48Y	PCQ107	B885 (NEPTUNE)	USQ1072
			1	3600	K48Y	PCQ110	B886 (NEPTUNE)	USQ1102
			1 1/2	3600	L48Y	PCQ115	B887 (NEPTUNE)	USQ1152
			2	3600	M48Y	PCQ120	B876 (NEPTUNE)	USQ1202 4)
			2 1/2	3600	M48Y	PCQ1225	B884 (NEPTUNE)	USQ1252



DEFINITE
PURPOSE





Definite Purpose Brake Motors

THREE PHASE

WEG Brake motors consist of an induction motor coupled to a disc brake, forming an integrated compact and robust unit. The unit is TEFC, and has the same performance characteristics of WEG TEFC range of motors. The brake is of sturdy construction with few moving parts which ensures long durability with a minimum of maintenance.



APPLICATIONS

Applications requiring quick stops and positive action at standstill

- Conveyors
- Gear reducers
- Machine tools
- Material handling equipment

OPTIONAL FEATURES

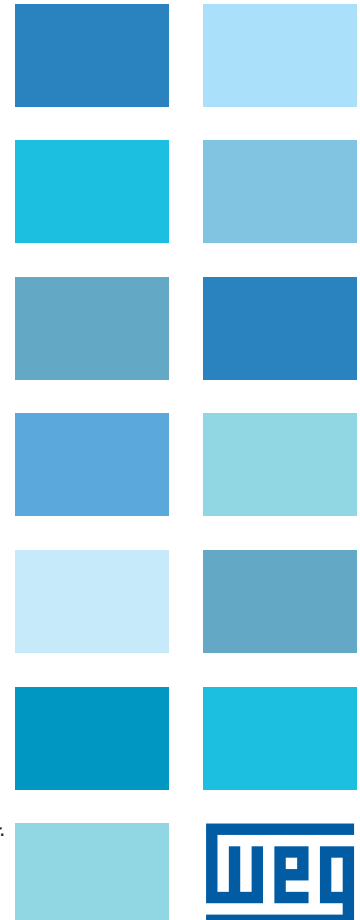
- Electric brake release
- Oil seal / Lip seal
- Special brake and motor voltages
- Specially designed shaft
- Space heaters
- Thermistor, Thermostats or RTD's (PT100)
- Additional terminal box
- Roller bearings on drive end
- Drip cover (canopy) for shaft down applications
- Stainless steel shaft
- Higher torque brake available
- Design C for High Efficiency
- Insulation class 'H'

STANDARD FEATURES

- Three-phase, 2, 4, 6, 8, pole, 60Hz
- Voltage: 208-230/460
- 143T up to 286T* cast iron frame
- Squirrel cage rotor / Aluminum die cast
- Totally Enclosed Fan Cooled - TEFC (IP55)
- V-ring slingers on drive endshield and Lip Seal on Non drive endshield
- Ball bearings
- NEMA dimensions
- Class 'F' insulation
- Temperature rise: Class 'B' (80°C)
- NEMA ratings design 'B' (High Efficiency)
- Service factor: 1.15 (Standard Efficiency)
1.25 (High Efficiency)
- Continuous Duty (S1)
- 104°F (40°C) ambient temperature
- Altitude: 3300 ft (1000 m)
- 1045 carbon steel shaft
- F1 mount
- Stainless steel nameplate
- Paint: Enamel alkyd resin base
- Color: RAL 7022 – Dark Gray (St. Eff)
RAL 5007 – Blue (High Eff)
- NPT threaded terminal box
- Automatic drain plugs
- Slow, medium or rapid braking connectors - 230V
- Manual brake release

HIGHLIGHTS

- Lenze brake
- FC-200 cast iron/
Severe Duty



Note*: WEG can supply frames 324/6 "on request", after receiving load information: – Braking torque – Number of stops (braking) per hour.
Shoe-type brake motors are also available on special request, ask WEG for more information.
All motors are tested according to IEEE 112 std. - method 'B' or C390 CSA



STANDARD EFFICIENCY – THREE-PHASE

HP	RPM	Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	"C" Dimension (in.)	Voltage	Brake Rating Ft. Lb	NOTES
1	1800	143T	00118ES3EBM143T	970	B1	45	1.51	78.0	16.344	208-230/460V	12	
	1200	145T	00112ES3EBM145T	1,023	B1	52	1.81	74.5	16.344	208-230/460V	12	
	900	182T	00109ES3EBM182T	1,496	B1	97	2.24	72.5	18.917	208-230/460V	24	
1.5	3600	143T	00156ES3EBM143T	966	B1	45	2.04	78.0	16.344	208-230/460V	12	
	1800	145T	00158ES3EBM145T	1,011	B1	45	2.19	79.0	16.344	208-230/460V	12	
	1200	182T	00152ES3EBM182T	1,381	B1	80	2.64	78.0	18.917	208-230/460V	24	
	900	184T	00159ES3EBM184T	1,558	B1	99	2.81	74.5	19.917	208-230/460V	24	
2	3600	145T	00236ES3EBM145T	983	B1	48	2.73	78.5	16.344	208-230/460V	12	
	1800	145T	00218ES3EBM145T	1,019	B1	56	2.93	82.5	16.344	208-230/460V	12	
	1200	184T	00212ES3EBM184T	1,423	B1	99	3.53	78.5	19.917	208-230/460V	24	
	900	213T	00209ES3EBM213T	1,861	B1	163	3.40	78.0	22.193	208-230/460V	44	
3	3600	182T	00336ES3EBM182T	1,352	B1	99	4.04	81.5	18.917	208-230/460V	24	
	1800	182T	00318ES3EBM182T	1,368	B1	84	4.13	81.5	18.917	208-230/460V	24	
	1200	213T	00312ES3EBM213T	1,841	B1	136	4.97	81.8	22.193	208-230/460V	44	
	900	215T	00309ES3EBM215T	2,033	B1	174	4.67	80.0	23.689	208-230/460V	59	
5	3600	184T	00536ES3EBM184T	1,457	B1	108	6.15	84.5	19.917	208-230/460V	24	
	1800	184T	00518ES3EBM184T	1,567	B1	117	6.50	85.0	19.917	208-230/460V	24	
	1200	215T	00512ES3EBM215T	2,038	B1	167	7.35	84.0	23.689	208-230/460V	59	
	900	254T	00509ES3EBM254T	3,111	B1	295	7.85	84.5	27.976	208-230/460V	59	
7.5	3600	213T	00736ES3EBM213T	1,916	B1	163	8.95	86.5	22.193	208-230/460V	44	
	1800	213T	00718ES3EBM213T	1,941	B1	170	9.70	87.0	22.193	208-230/460V	44	
	1200	254T	00712ES3EBM254T	2,919	B1	264	9.60	86.5	27.976	208-230/460V	59	
	900	256T	00709ES3EBM256T	3,488	B1	339	11.3	86.0	29.945	208-230/460V	111	
10	3600	215T	01036ES3EBM215T	2,008	B1	174	12.2	87.6	23.689	208-230/460V	59	
	1800	215T	01018ES3EBM215T	2,166	B1	175	12.8	89.0	23.689	208-230/460V	59	
	1200	256T	01012ES3EBM256T	3,230	B1	295	12.8	87.4	29.945	208-230/460V	111	
15	3600	254T	01536ES3EBM254T	2,857	B1	286	18.2	87.5	27.976	208-230/460V	59	
	1800	254T	01518ES3EBM254T	3,181	B1	260	18.8	88.5	27.976	208-230/460V	59	
20	3600	256T	02036ES3EBM256T	3,005	B1	295	24.1	89.0	29.945	208-230/460V	111	
	1800	256T	02018ES3EBM256T	3,300	B1	304	25.2	90.2	29.945	208-230/460V	111	
25	1800	284T	02518ES3EBM284T	4,806	B1	313	30.2	90.5	31.814	208-230/460V	87	
30	1800	286T	03018ES3EBM286T	4,814	B1	391	36.1	91.0	32.656	208-230/460V	87	

Note: From frames 143T up to 286T, motors are supplied with Lenze brakes

- ELECTRICAL FEATURES ON PAGE B-24.
- MECHANICAL FEATURES ON PAGE B-69...B-71.

DEFINITE PURPOSE



HIGH EFFICIENCY – THREE-PHASE

HP	RPM	Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	FL Amps 460	FL Eff %	“C” Dimension (in.)	Voltage	Brake Rating Ft. Lb	NOTES
1	1800	143T	00118EP3EBM143T	1,378	B1	52	1.49	82.5	16.344	208-230/460V	12	
	1200	145T	00112EP3EBM145T	1,484	B1	52	1.70	80.0	16.344	208-230/460V	12	
	900	182T	00109EP3EBM182T	2,350	B1	115	2.31	74.0	18.917	208-230/460V	24	
1.5	3600	143T	00156EP3EBM143T	1,389	B1	49	1.99	82.5	16.344	208-230/460V	12	
	1800	145T	00158EP3EBM145T	1,435	B1	58	2.05	84.0	16.344	208-230/460V	12	
	1200	182T	00152EP3EBM182T	2,138	B1	88	2.38	85.5	18.917	208-230/460V	24	
	900	184T	00159EP3EBM184T	2,479	B1	130	2.71	77.0	19.917	208-230/460V	24	
2	3600	145T	00236EP3EBM145T	1,401	B1	52	2.60	84.0	16.344	208-230/460V	12	
	1800	145T	00218EP3EBM145T	1,447	B1	60	2.70	84.0	16.344	208-230/460V	12	
	1200	184T	00212EP3EBM184T	2,233	B1	99	3.20	86.5	19.917	208-230/460V	24	
	900	213T	00209EP3EBM213T	2,977	B1	172	3.46	82.5	22.193	208-230/460V	44	
3	3600	182T	00336EP3EBM182T	2,116	B1	117	3.59	85.5	18.917	208-230/460V	24	
	1800	182T	00318EP3EBM182T	1,916	B1	108	3.90	87.5	18.917	208-230/460V	24	
	1200	213T	00312EP3EBM213T	2,982	B1	141	4.15	87.5	22.193	208-230/460V	44	
	900	215T	00309EP3EBM215T	3,234	B1	189	4.33	84.0	23.689	208-230/460V	59	
5	3600	184T	00536EP3EBM184T	2,190	B1	125	5.90	87.5	19.917	208-230/460V	24	
	1800	184T	00518EP3EBM184T	2,143	B1	113	6.48	87.5	19.917	208-230/460V	24	
	1200	215T	00512EP3EBM215T	3,218	B1	193	6.80	87.5	23.689	208-230/460V	59	
	900	254T	00509EP3EBM254T	5,043	B1	284	7.99	85.5	27.976	208-230/460V	59	
7.5	3600	213T	00736EP3EBM213T	2,860	B1	167	8.66	88.5	22.193	208-230/460V	44	
	1800	213T	00718EP3EBM213T	2,640	B1	167	9.53	89.5	22.193	208-230/460V	44	
	1200	254T	00712EP3EBM254T	4,756	B1	288	9.53	89.5	27.976	208-230/460V	59	
	900	256T	00709EP3EBM256T	5,613	B1	328	11.2	86.5	29.945	208-230/460V	111	
10	3600	215T	01036EP3EBM215T	3,304	B1	167	11.7	89.5	23.689	208-230/460V	59	
	1800	215T	01018EP3EBM215T	3,184	B1	183	12.8	90.2	23.689	208-230/460V	59	
	1200	256T	01012EP3EBM256T	5,260	B1	331	13.4	89.5	29.945	208-230/460V	111	
15	3600	254T	01536EP3EBM254T	4,560	B1	306	17.0	90.2	27.976	208-230/460V	59	
	1800	254T	01518EP3EBM254T	4,852	B1	293	17.9	91.0	27.976	208-230/460V	59	
20	3600	256T	02036EP3EBM256T	5,371	B1	339	23.3	90.2	29.945	208-230/460V	111	
	1800	256T	02018EP3EBM256T	5,404	B1	339	24.4	91.0	29.945	208-230/460V	111	
25	1800	284T	02518EP3EBM284T	6,248	B1	391	29.6	92.4	31.914	208-230/460V	87	
30	1800	286T	03018EP3EBM286T	6,259	B1	437	34.4	92.4	32.656	208-230/460V	87	

Note: From frames 143T up to 256T, motors are supplied with Lenze brakes.

From frames 284/6T, motors are supplied with WEG brakes.

- ELECTRICAL FEATURES ON PAGE B-25.
- MECHANICAL FEATURES ON PAGE B-69...B-71.

SINGLE PHASE

These high quality motors are designed to meet the high torque requirements of air compressor loads. Ball bearings designs and manual reset thermal protection are standard features on all ratings. These heavy duty motors are rolled steel constructions NEMA 56 frames. Special electrical and mechanical features ensure reliable service and long motor life.



APPLICATIONS

- Stationary and portable air compressors
- All kinds of intermittent duty compressors

OPTIONAL FEATURES

- Class "F" insulation
- Flange mounted
- Special voltages
- Specially dimensioned shaft
- Second shaft end
- Stainless steel shaft
- Footless
- Automatic Overload Protection
- Other mounting configurations

STANDARD FEATURES

- Single-phase, 2 pole, 60Hz
- Voltage: 115/208-230V
- With manual overload protection
- Start capacitor
- Squirrel cage rotor
- Open Drip Proof (ODP)
- Fan cooled (internally)
- Ball bearings
- NEMA dimensions
- High starting torque
- Class "B" insulation (130°C)
- Reinforced fixed base (MIG welding)
- Paint: Munsell N1 (Black)



All motors are tested according to IEEE 112 Std. – Method 'B' or C390 CSA.

DEFINITE
PURPOSE

RIGID BASE – SINGLE-PHASE

HP	RPM	NEMA FRAME	CATALOG NUMBER	LIST PRICE	MULT. SYM.	APPROX. SHIPP. WEIGHT (LBS.)	Service Factor	FL AMPS 230V	"C" DIMENSION (IN.)	VOLTAGE	NOTES
1/2	3600	56	.50360S1BCDC56	224	C1	24	1.00	3.60	10.551	115/208-230V	
3/4	3600	56	.75360S1BCDC56	237	C1	26	1.00	4.50	10.551	115/208-230V	
1	3600	56	001360S1BCDB56	278	C1	29	1.00	7.00	11.102	115/208-230V	
1 1/2	3600	56	001560S1BCDD56	311	C1	38	1.00	9.50	12.283	115/208-230V	
2	3600	56	002360S1BCDD56	372	C1	41	1.00	11.0	12.283	115/208-230V	
3	3600	56H	003360S1BCDF56	432	C1	45	1.00	15.0	13.464	115/208-230V	
5	3600	56H	005360S1CCDG56	458	C1	50	1.00	19.0	13.858	208-230V	
	3600	56HZ	005360S1CCDG56HZ	481	C1	51	1.00	19.0	14.234	208-230V	CCW
	1800	184T	005180S1CCDOL184T	721	C1	109	1.15	21.5	14.870	208-230V	*
	1800	184T	005180S1CCD184T	682	C1	109	1.25	21.5	14.870	208-230V	‡
7.5	1800	215T	007180S1CCD215T	961	C1	130	1.15	30.6	19.660	208-230V	CCW‡

- ELECTRICAL FEATURES ON PAGE B-26
- MECHANICAL FEATURES ON PAGE B-72.

‡ = Not thermally protected

* = May not be available in stock



Definite Purpose

Farm Duty

SINGLE PHASE

The “FARM DUTY” motors are specially designed for farm duty applications requiring high starting torque and moderate starting current. Some standard features such as V-ring slinger in both drive and opposite drive ends, reversible shaft rotation and start capacitors provide versatility for indoor and outdoor use. The manual overload protection available in all frames protects against extreme overloads, offering maximum operator safety.

APPLICATIONS

- Pumps
- Fans
- Conveyors
- Poultry equipment
- Air compressors
- Other farm machinery

OPTIONAL FEATURES

- Class “F” insulation
(frames up to 143/5T)
- Class “H” insulation (frames
W182/4T up to 215T)
- Special voltages
- Specially dimensioned shaft
- Second shaft end
- Stainless steel shaft
- Flange mounting

STANDARD FEATURES

- Single-phase, 60Hz
- Voltage: 230V or 115/230V
- Squirrel cage rotor / Aluminum die cast
- Totally Enclosed Fan Cooled - TEFC (IP55)
- V-ring slinger in both endshields
- Terminal box grounding
- Manual overload protection
- Ball bearings
- NEMA dimensions
- Insulation:
 - Class ‘B’, up to 143/5T
 - Class ‘F’, for frame W182/4T
and up
- Service Factor: 1.15
- Steel plate frames: 56 up to 143/5T
- Cast iron frames: W182/4T up to 215T
- Continuous Duty (S1), 40°C ambient
- 1045 carbon steel shaft
- F1 mount
- Double shielded ball bearings

Note: Please specify type of overload protection required when ordering.
All motors are tested according to IEEE 112 Std. – Method ‘B’ or C390 CSA.



HIGHLIGHTS

- High starting torque
- TEFC

- Paint: Enamel alkyd resin base
- Color: RAL 3002 (Red)
- NPT threaded terminal box
- Drain plugs
- Rigid base
- Start Capacitor
- Start capacitor and run capacitor
for 2HP and up
- High starting torque



RIGID BASE – TEFC (IP55) – SINGLE-PHASE

HP	RPM	NEMA Frame	Catalog Number	List Price	Multi. Sym.	Approx. Shipp. Weight Lbs.	Service Factor	FL Amps 230V	“C” Dimension (in.)	Voltage	NOTES
1/3	1800	56	.3318ES1RFDB56	284	R1	23	1.15	3.00	11.496	115/230V	◆
1/2	1800	56	.5018ES1RFDB56	308	R1	25	1.15	3.70	11.496	115/230V	
3/4	1800	56	.7518ES1RFDB56	357	R1	28	1.15	5.50	11.496	115/230V	
1	1800	143T	00118ES1RFD143T	400	R1	35	1.15	7.50	13.674	115/230V	
	1800	56	00118ES1RFDD56	394	R1	36	1.15	7.50	12.677	115/230V	
1 1/2	1800	56	00158ES1RFDF56H	502	R1	51	1.15	9.00	13.858	115/230V	
	1800	145T	00158ES1RFD145T	504	R1	52	1.15	9.00	15.355	115/230V	
2	1800	145T	00218ES1RFD145T	578	R1	54	1.15	11.0	15.355	115/230V	
	1800	56	00218ES1RFDG56H	529	R1	55	1.15	11.0	14.252	115/230V	
	1800	W182/4T	00218ES1RFD182T	790	R1	75	1.15	10.0	17.240	115/230V	
3	1800	W182/4T	00318ES1DFD184T	915	R1	80	1.15	14.5	17.240	230V	
5	1800	184T	00518ES1DFD184T	1,074	R1	157	1.15	21.0	17.050	230V	
	1800	W213/5T	00518ES1DFD215T	1,205	R1	128	1.15	21.0	21.000	230V	
	1800	W213/5TZ	00518ES1DFD215Z	1,205	R1	128	1.15	21.0	21.000	230V	
7.5	1800	215T	00718ES1DFD215T	1,463	R1	169	1.15	32.0	19.500	230V	
	1800	215TZ	00718ES1DFD215Z	1,463	R1	169	1.15	32.0	19.500	230V	
10	1800	215T	01018ES1DFD215T	1,692	R1	182	1.15	40.0	19.500	230V	

• ELECTRICAL FEATURES ON PAGE B-26.

• MECHANICAL FEATURES ON PAGE B-58 & B-74.

◆ = Product may not be available from stock

Definite Purpose Poultry Fan



SINGLE PHASE

WEG poultry fan motors are specifically designed for agricultural fan applications. Mounted within the airstream for proper cooling, the totally enclosed design ensures long life in poultry house and barn exhaust fan applications.



APPLICATIONS

- Cooling fans

OPTIONAL FEATURES

- Class 'F' insulation
- Special voltages
- Specially dimensioned shaft

STANDARD FEATURES

- Single-phase, 4 pole, 60Hz
- Voltage: 115/230, suitable for 208V at 1.0 service factor
- Service Factor according to NEMA Standard MG 1-18-329
- Totally Enclosed Air Over (TEAO)
- Double shielded ball bearings (ZZ)
- Squirrel cage rotor
- Class 'B' insulation (130°C)
- Continuous Duty (S1)
- Automatic Thermal Overload (ATO)
- Rotation: Reversible
- Color: RAL 7022 (Dark Gray)



RESILIENT BASE –TEAO

HP	RPM	NEMA FRAME	CATALOG NUMBER	LIST PRICE	MULT. SYM.	APPROX. SHIPP. WEIGHT (LBS.)	Service Factor	FL AMPS 230V	"C" DIMENSION (IN.)	VOLTAGE	NOTES
1/3	1800	48	.3318ES1BRBPFC48	325	G1	23	1.25	2.90	10.748	115/208-230V	✧✧
1/2	1800	56	.5018ES1BRBPFC56	350	G1	27	1.25	4.00	11.102	115/208-230V	✧✧
3/4	1800	56	.7518ES1BRBPFB56	433	G1	33	1.25	5.50	11.125	115/208-230V	✧
1	1800	56	00118ES1BRBPDF56	469	G1	35	1.15	7.00	12.306	115/208-230V	✧

RIGID BASE – TEAO

HP	RPM	NEMA FRAME	CATALOG NUMBER	LIST PRICE	MULT. SYM.	APPROX. SHIPP. WEIGHT (LBS.)	Service Factor	FL AMPS 230V	"C" DIMENSION (IN.)	VOLTAGE	NOTES
1/3	1800	48	.3318ES1BPFC48	311	G2	23	1.25	2.90	10.748	115/208-230V	✧
1/2	1800	56	.5018ES1BPFC56	336	G2	27	1.25	4.00	11.102	115/208-230V	✧
3/4	1800	56	.7518ES1BPFB56	414	G2	33	1.25	5.50	11.125	115/208-230V	
1	1800	56	00118ES1BPDF56	449	G2	35	1.15	7.00	12.306	115/208-230V	

• ELECTRICAL FEATURES ON PAGE B-26. • MECHANICAL FEATURES ON PAGE B-73.

✧ = Resilient Base ✧ = Split-phase motors

DEFINITE
PURPOSE



Definite Purpose Auger Drive

SINGLE PHASE

WEG Auger Drive motors are specifically designed for Feed-Drive units requiring a reliable and efficient motor. Provided with mechanical protection of centrifugal switch (to prevent damage to the motor in case of overspeed,) manual thermal overload protection and two bolts mounting NEMA “N” flange.



APPLICATIONS

- Auger Drive Systems

OPTIONAL FEATURES

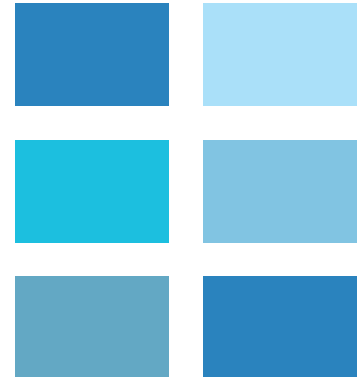
- Class “F” insulation
- Special voltages
- Specially dimensioned shaft
- Second shaft end
- Stainless steel shaft
- Flange mounting

STANDARD FEATURES

- Single-phase, 4 pole, 60Hz
- Voltage: 115/230V
- Totally Enclosed Fan Cooled (TEFC)
- Squirrel cage rotor
- Start Capacitor
- V-ring slingers on both endshields
- Dimensions according to NEMA Standard
- Class ‘B’ insulation (130°C)
- High starting torque
- Double shielded ball bearings
- Manual thermal overload protection
- Two bolts mounting NEMA ‘N’ flange
- Extended Shaft (fan end) with wrench flats for manual jogging of auger
- Fully gasketed, terminal box and capacitor cover
- Centrifugal start switch protected from auger drive overspeed
- Start and run capacitor for 2HP and up
- Color: RAL 3002 (Red)

HIGHLIGHTS

- Mechanical protection of centrifugal switch to prevent damage in case of overspeed
- Extended shaft with wrench for manual jogging
- TEFC



ALL MOTORS ARE TESTED ACCORDING TO IEEE 112 STD. - METHOD ‘B’ OR C390 CSA



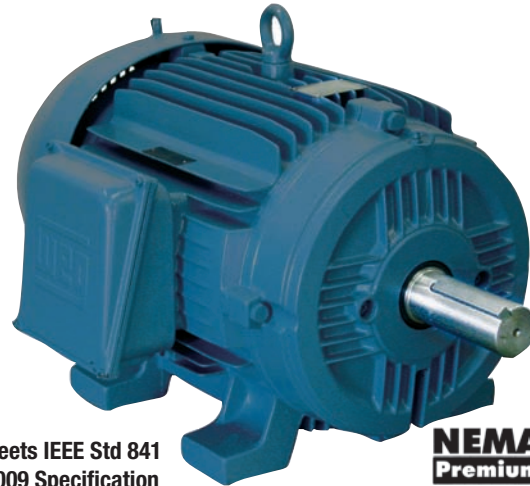
LESS BASE – TEFC

HP	RPM	NEMA FRAME	CATALOG NUMBER	LIST PRICE	MULT. SYM.	APPROX. SHIPP. WEIGHT (LBS.)	Service Factor	FL AMPS 230V	“C” DIMENSION (IN.)	VOLTAGE	NOTES
1/3	1800	56N	.3318ES1RADB56N	386	A1	25	1.15	3.00	12.760	115/230V	
1/2	1800	56N	.5018ES1RADB56N	438	A1	27	1.15	3.85	12.760	115/230V	
3/4	1800	56N	.7518ES1RADB56N	454	A1	29	1.15	5.65	12.760	115/230V	
1	1800	56N	00118ES1RADD56N	567	A1	36	1.15	7.00	13.940	115/230V	
1.5	1800	56N	00158ES1RADF56N	953	A1	50	1.15	9.00	15.120	115/230V	

- ELECTRICAL FEATURES ON PAGE B-26.
- MECHANICAL FEATURES ON PAGE B-74.

THREE PHASE

These WEG IEEE 841 High Efficiency Mill and Chemical Duty Motors are specially suited for Pulp and Paper Mills, Petrochemical, Steel Mills and applications requiring Severe Duty long life motors. WEG's W21 NEMA Premium motors meet or exceed all NEMA Premium requirements for energy efficiency.



Meets IEEE Std 841
2009 Specification

NEMA
Premium

HIGHLIGHTS

- Meet or exceeds NEMA premium efficiency levels
 - Inpro-Seal
- Extended bearing life
- Corrosion resistant epoxy finish
- Non-sparking fan
- Internal epoxy paint
- Vibration: 0.06IPS and less
- Guaranteed foot flatness to within 0.005"

APPLICATIONS

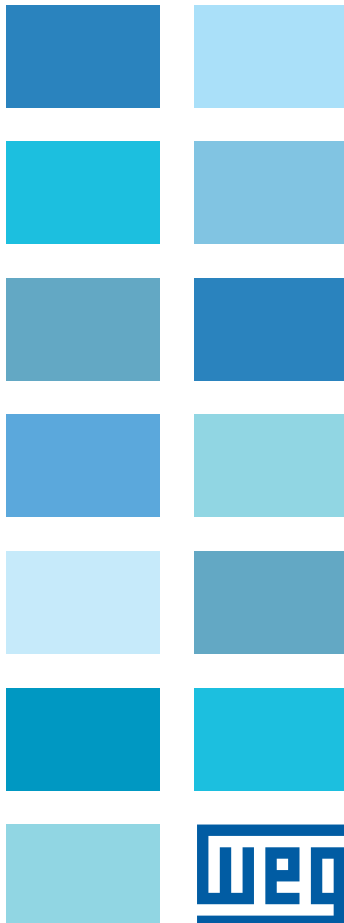
- Pumping applications
- Pulp and paper mills
- Petrochemical
- Other

OPTIONAL FEATURES

- Special voltages
- Specially designed shaft
- Space heaters
- Second shaft end
- Thermistor, Thermostats or RTD's (PT100)
- Additional terminal box
- Drip cover (canopy) for shaft down applications
- Cable glands
- Flange mount
- 8 pole

STANDARD FEATURES

- Three-phase, 2, 4 or 6 pole, 60Hz
- Voltage: 460V (3 wire)
- Totally enclosed fan cooled (TEFC)
- Inpro-Seal
- Degree of protection: IP55 (Bearing protection meets IP56)
- Vibration: 0.06IPS and less
- Guaranteed foot flatness to within 0.005"
- Class 'F' insulation ('B' Temperature rise)
- Class 'H' resin & magnet wire
- Service Factor:
 - 1.25 - up to 100 HP
 - 1.15 - from 125HP and up
- 1045 Carbon Steel Shaft for frames up to 365T.
- 4140 steel shaft for motors 404T and above. (3600 RPM motors supplied with 1045)
- 143T up to 586/7 cast iron frame
- All cast iron reinforced construction: frame, endshields, terminal box and fan cover
- Stainless steel nameplate
- NEMA Ratings Design 'B'
- Color: RAL 5009 - Blue
- Regreasable ball bearings
- Class 1, Div 2, Groups A, B, C & D, T3
- Bearing life 50,000 hours L-10
- Paint: Epoxy polyamide enamel
- Epoxy coated interior surfaces
- Non-sparking fan



Note: All motors supplied with IEEE841 Test Report.
Energy efficiency motors verified by UL in addition to the DOE.



FOOT MOUNT

HP	RPM	NEMA FRAME	CATALOG NUMBER	LIST PRICE	MULT. SYM.	APPROX. SHIPP. WEIGHT (LBS.)	FL AMPS 460V	FL Eff %	"C" DIMENSION (IN.)	VOLTAGE	NOTES
1	1800	143T	00118ST3QIE143T	922	I1	54	1.43	85.5	12.250	460V	
	1200	145T	00112ST3QIE145T	1,062	I1	56	1.73	82.5	13.234	460V	
1.5	3600	143T	00156ST3QIE143T	981	I1	45	1.98	84.0	12.250	460V	
	1800	145T	00158ST3QIE145T	981	I1	56	2.00	86.5	13.234	460V	
	1200	182T	00152ST3QIE182T	1,286	I1	79	2.39	87.5	14.860	460V	
2	3600	145T	00236ST3QIE145T	1,023	I1	52	2.65	85.5	13.234	460V	
	1800	145T	00218ST3QIE145T	1,023	I1	58	2.63	86.5	13.234	460V	
	1200	184T	00212ST3QIE184T	1,363	I1	97	3.23	88.5	15.860	460V	
3	3600	182T	00336ST3QIE182T	1,267	I1	99	3.68	87.5	14.860	460V	
	1800	182T	00318ST3QIE182T	1,224	I1	99	3.90	89.5	14.860	460V	
	1200	213T	00312ST3QIE213T	1,537	I1	134	4.41	89.5	18.021	460V	
5	3600	184T	00536ST3QIE184T	1,429	I1	114	5.76	89.5	15.860	460V	
	1800	184T	00518ST3QIE184T	1,371	I1	108	6.40	89.5	15.860	460V	
	1200	215T	00512ST3QIE215T	1,901	I1	175	6.83	89.5	19.517	460V	
7.5	3600	213T	00736ST3QIE213T	1,751	I1	134	8.63	91.0	18.021	460V	
	1800	213T	00718ST3QIE213T	1,646	I1	165	9.29	91.7	18.021	460V	
	1200	254T	00712ST3QIE254T	2,544	I1	282	9.73	91.0	23.213	460V	
10	3600	215T	01036ST3QIE215T	1,920	I1	173	11.5	91.7	19.517	460V	
	1800	215T	01018ST3QIE215T	1,760	I1	172	12.6	91.7	19.517	460V	
	1200	256T	01012ST3QIE256T	2,834	I1	316	13.3	91.0	24.945	460V	
15	3600	254T	01536ST3QIE254T	2,428	I1	280	16.9	91.7	23.213	460V	
	1800	254T	01518ST3QIE254T	2,257	I1	291	18.0	92.4	23.213	460V	
	1200	284T	01512ST3QIE284T	4,203	I1	360	17.3	91.7	26.433	460V	
20	3600	256T	02036ST3QIE256T	2,957	I1	313	22.9	92.4	24.945	460V	
	1800	256T	02018ST3QIE256T	2,597	I1	324	24.4	93.0	24.945	460V	
	1200	286T	02012ST3QIE286T	4,773	I1	503	24.1	91.7	27.929	460V	
25	3600	284TS	02536ST3QIE284TS	3,368	I1	353	28.4	93.0	25.061	460V	
	1800	284T	02518ST3QIE284T	2,926	I1	481	29.5	93.6	26.433	460V	
	1200	324T	02512ST3QIE324T	5,211	I1	605	30.5	93.0	29.620	460V	
30	3600	286TS	03036ST3QIE286TS	3,799	I1	428	33.4	93.0	26.557	460V	
	1800	286T	03018ST3QIE286T	3,509	I1	525	35.1	93.6	27.929	460V	
	1200	326T	03012ST3QIE326T	5,359	I1	673	35.8	93.0	31.116	460V	
40	3600	324TS	04036ST3QIE324TS	5,306	I1	561	45.8	93.6	28.120	460V	
	1800	324T	04018ST3QIE324T	4,692	I1	640	48.3	94.1	29.620	460V	
	1200	364T	04012ST3QIE364T	8,636	I1	1076	47.1	94.1	33.709	460V	
50	3600	326TS	05036ST3QIE326TS	5,970	I1	607	55.5	94.1	29.616	460V	
	1800	326T	05018ST3QIE326T	5,233	I1	662	60.6	94.5	31.116	460V	
	1200	365T	05012ST3QIE365T	9,369	I1	1127	58.0	94.1	33.709	460V	
60	3600	364TS	06036ST3QIE364TS	8,665	I1	992	68.3	94.1	31.583	460V	
	1800	364T	06018ST3QIE364T	8,044	I1	1036	68.4	95.0	33.709	460V	
	1200	404T	06012ST3QIE404T	11,790	I1	1346	70.4	94.5	38.077	460V	
75	3600	365TS	07536ST3QIE365TS	10,210	I1	1025	82.6	95.0	31.583	460V	
	1800	365T	07518ST3QIE365T	9,289	I1	1047	82.3	95.4	33.709	460V	
	1200	405T	07512ST3QIE405T	12,866	I1	1478	87.0	94.5	38.077	460V	
100	3600	405TS	10036ST3QIE405TS	12,806	I1	1361	111	95.0	35.077	460V	
	1800	405T	10018ST3QIE405T	12,471	I1	1302	112	95.4	38.077	460V	
	1200	444T	10012ST3QIE444T	17,933	I1	2006	121	95.0	43.776	460V	

• ELECTRICAL FEATURES ON PAGE B-29, B-30.

• MECHANICAL FEATURES ON PAGE B-75...B-77.



FOOT MOUNT

HP	RPM	NEMA FRAME	CATALOG NUMBER	LIST PRICE	MULT. SYM.	APPROX. SHIPP. WEIGHT (LBS.)	FL AMPS 460V	FL Eff %	"C" DIMENSION (IN.)	VOLTAGE	NOTES
125	3600	444TS	12536ST3QIE444TS	18,198	11	1794	133	95.0	40.026	460V	
	1800	444T	12518ST3QIE444T	16,564	11	1841	138	95.4	43.776	460V	
	1200	445T	12512ST3QIE445T	20,158	11	2082	145	95.0	43.776	460V	
150	3600	445TS	15036ST3QIE445TS	21,433	11	1865	161	95.4	40.026	460V	
	1800	445T	15018ST3QIE445T	18,587	11	1940	170	95.8	43.776	460V	
	1200	447T	15012ST3QIE447T	23,181	11	2738	174	94.8	47.299	460V	
	1200	504	15012ST3QIE504	23,181	11	2738	174	94.8	49.449	460V	
200	3600	447TS	20036ST3QIE447TS	28,568	11	2072	221	95.8	43.549	460V	
	1800	447T	20018ST3QIE447T	23,696	11	2216	230	96.2	47.299	460V	
	1200	447T	20012ST3QIE447T	26,205	11	2816	234	95.8	47.299	460V	
	1200	505	20012ST3QIE505	26,205	11	2816	234	95.8	49.449	460V	
250	3600	447TS	25036ST3QIE447TS	30,330	11	2266	269	95.8	43.549	460V	
	3600	505S	25036ST3QIE505S	30,330	11	2266	269	95.8	43.569	460V	
	1800	447T	25018ST3QIE447T	30,007	11	2414	284	96.2	47.299	460V	
	1800	505	25018ST3QIE505	30,007	11	2414	284	96.2	49.449	460V	
	1200	586/7	25012ST3QIE586/7	47,488	11	4002	303	95.8	59.421	460V	
300	1800	586/7	30018ST3QIE586/7	39,540	11	3837	338	96.2	59.421	460V	
	1200	586/7	30012ST3QIE586/7	50,135	11	4487	351	95.8	59.421	460V	
350	1800	586/7	35018ST3QIE586/7	47,754	11	4300	399	96.2	59.421	460V	
	1200	586/7	35012ST3QIE586/7	57,838	11	4723	426	95.8	59.421	460V	
400	1800	586/7	40018ST3QIE586/7	52,344	11	4686	460	96.2	59.421	460V	
	1200	586/7	40012ST3QIE586/7	65,795	11	4961	491	95.8	59.421	460V	
450	1800	586/7	45018ST3QIE586/7	54,588	11	5204	506	96.2	59.421	460V	

• ELECTRICAL FEATURES ON PAGE B-29, B-30.

• MECHANICAL FEATURES ON PAGE B-75...B-77.

'C' FLANGE – FOOT MOUNT

HP	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Approx. Shipp. Weight Lbs	FL Amps 460V	FL Eff. %	"C" Dimension (in.)	Voltage	Notes
1	1800	143T	00118ST3QIE143TC	972	11	54	1.43	85.5	12.250	460V	
1.5	1800	145T	00158ST3QIE145TC	1031	11	56	2.00	86.5	13.234	460V	
2	1800	145T	00218ST3QIE145TC	1073	11	58	2.63	86.5	13.234	460V	
3	1800	182T	00318ST3QIE182TC	1289	11	99	3.90	89.5	14.860	460V	
5	1800	184T	00518ST3QIE184TC	1436	11	108	6.40	89.5	15.860	460V	
7.5	1800	213T	00718ST3QIE213TC	1726	11	165	9.29	91.7	18.021	460V	
10	1800	215T	01018ST3QIE215TC	1840	11	172	12.6	91.7	19.517	460V	
15	1800	254T	01518ST3QIE254TC	2377	11	291	18.0	92.4	23.213	460V	
20	1800	256T	02018ST3QIE256TC	2717	11	324	24.4	93.0	24.945	460V	
25	1800	284T	02518ST3QIE284TC	3126	11	481	29.5	93.6	26.433	460V	
30	1800	286T	03018ST3QIE286TC	3709	11	525	35.1	93.6	27.929	460V	
40	1800	324T	04018ST3QIE324TC	4917	11	640	48.3	94.1	29.620	460V	
50	1800	326T	05018ST3QIE326TC	5458	11	662	60.6	94.5	31.116	460V	

These models are fitted with a C-Flange but still have a foot mount design for maximum mounting flexibility

• ELECTRICAL FEATURES ON PAGE B-29, B-30.

• MECHANICAL FEATURES ON PAGE B-75...B-77.

DEFINITE
PURPOSE



Definite Purpose Stainless Steel - Shark™

THREE PHASE

For food processing, pharmaceutical and other environments requiring extreme cleanliness and frequent washdowns, WEG offers a new design all-stainless steel motor, called the SHARK™. It's well-known that nothing stands up to a wet or corrosive environment as well as stainless steel. That's why it's considered the most desirable material for washdown duty motor frames and other exterior motor surfaces. And the entire line is certified Inverter Rated for use with a VFD. This rating meets or exceeds MG1 Part 31 NEMA Specifications. The Shark series of Stainless Steel products also includes our new Stainless Steel CFW-09 Drive Control.



APPLICATIONS STANDARD FEATURES

- Washdown application
- Food processing
- Chemical processing
- Pharmaceuticals
- Poultry processing
- Meat processing
- Dairy applications
- Bakeries
- Snack foods
- Bottling
- Corrosive environment
- High Quality 304 seamless stainless tube frame
- Premium quality 6200 series bearings
- Inverter duty wire
- VPI with Epoxy coat
- High Efficiency design
- Class 'F' insulation materials
- 1.15 Service Factor
- Class 'B' rise at 1.15 Service Factor
- Thermostats on each phase-auto reset
- Nameplate data laser etched on body of motor
- Double lip seals
- American threads and bolts stainless hardware
- 4 drain plugs in cast stainless endbells
- Drains in both ends
- Bearing retainers
- Conduit box and cover made of cast 304 stainless steel
- Cast 304 stainless steel endbell at both ends



HIGHLIGHTS

- All stainless parts
- Partners with stainless steel Shark™ Variable Frequency Drive

- Threaded conduit entry for watertight connection
- TIG welded brackets + feet
- Rated MG1 Part 31 for use with VFD
- Inverter Duty 10:1 VT
- T-Drain plug included



RIGID BASE - C-FACE WITH FEET - THREE-PHASE

HP	RPM	NEMA FRAME	CATALOG NUMBER	LIST PRICE	MULT. SYM.	APPROX. SHIPP. WEIGHT (LBS.)	FL AMPS 230V	FL Eff. %	"C" DIMENSION (IN.)	VOLTAGE	NOTES
0.3	1800	56C	.3318EP3ESS56C	550	S1	41	0.60	79.8	11.260	208-230/460V	⊗
	3600	56C	.5036EP3ESS56C	569	S1	42	0.84	78.3	11.260	208-230/460V	⊗
0.5	1800	56C	.5018EP3ESS56C	575	S1	48	0.87	81.2	11.260	208-230/460V	⊗
	1200	56C	.5012EP3ESS56C	682	S1	63	0.91	79.1	11.260	208-230/460V	⊗
	3600	56C	.7536EP3ESS56C	590	S1	47	1.17	81.9	11.260	208-230/460V	⊗
0.75	1800	56C	.7518EP3ESS56C	616	S1	53	1.25	81.3	11.260	208-230/460V	⊗
	1200	56C	.7512EP3ESS56C	723	S1	68	1.29	82.9	11.260	208-230/460V	⊗
	3600	56C	00136EP3ESS56C	649	S1	58	1.48	83.3	11.260	208-230/460V	
1	1800	56C	00118EP3ESS56C	669	S1	60	1.58	82.3	11.260	208-230/460V	
	1800	56C	00118NP3ESS56C	669	S1	60	1.50	82.3	12.140	208-230/460V	⊗
	1800	143TC	00118EP3ESS143TC	714	S1	75	1.50	82.5	11.700	208-230/460V	
	1800	143TC	00118NP3ESS143TC	714	S1	75	1.50	82.5	12.200	208-230/460V	⊗

- ELECTRICAL FEATURES ON PAGE B-38.
- MECHANICAL FEATURES ON PAGE B-91.

⊗ = Totally Enclosed Non-Ventilated



SHARK



RIGID BASE – C-FACE WITH FEET – THREE-PHASE

HP	RPM	NEMA FRAME	CATALOG NUMBER	LIST PRICE	MULT. SYM.	APPROX. SHIPP. WEIGHT (LBS.)	FL AMPS 230V	FL Eff. %	"C" DIMENSION (IN.)	VOLTAGE	NOTES
1.5	3600	56C	00156EP3ESS56C	764	S1	64	2.05	82.3	11.260	208-230/460V	
	3600	143TC	00156EP3ESS143TC	777	S1	72	2.00	82.5	12.200	208-230/460V	
	1800	56C	00158EP3ESS56C	783	S1	65	2.01	82.0	11.670	208-230/460V	
	1800	145TC	00158EP3ESS145TC	790	S1	70	2.20	84.0	12.200	208-230/460V	
2	3600	56C	00236EP3ESS56C	916	S1	73	2.62	83.0	13.230	208-230/460V	
	3600	145TC	00236EP3ESS145TC	1,005	S1	82	2.70	84.0	12.200	208-230/460V	
	1800	56C	00218EP3ESS56C	927	S1	78	2.69	85.0	13.230	208-230/460V	
	1800	145TC	00218EP3ESS145TC	1,016	S1	80	2.80	84.0	13.700	208-230/460V	
3	3600	145TC	00336EP3ESS145TC	1,303	S1	90	3.80	84.0	13.700	208-230/460V	♣
	3600	182TC	00336EP3ESS182TC	1,303	S1	95	3.80	85.5	15.300	208-230/460V	
	1800	182TC	00318EP3ESS182TC	1,307	S1	102	3.90	87.5	15.300	208-230/460V	

- ELECTRICAL FEATURES ON PAGE B-38.
- MECHANICAL FEATURES ON PAGE B-91.



ROUND BODY FOOTLESS – THREE-PHASE

HP	RPM	NEMA FRAME	CATALOG NUMBER	LIST PRICE	MULT. SYM.	APPROX. SHIPP. WEIGHT (LBS.)	FL AMPS 230V	FL Eff. %	"C" DIMENSION (IN.)	VOLTAGE	NOTES
0.3	1800	56C	.3318EP3ESS56CFL	550	S1	40	0.60	79.8	11.260	208-230/460V	⊗
0.5	3600	56C	.5036EP3ESS56CFL	569	S1	42	0.84	78.3	11.260	208-230/460V	⊗
	1800	56C	.5018EP3ESS56CFL	575	S1	47	0.87	81.2	11.260	208-230/460V	⊗
	1200	56C	.5012EP3ESS56CFL	682	S1	63	0.91	79.1	11.260	208-230/460V	⊗
	3600	56C	.7536EP3ESS56CFL	590	S1	47	1.17	81.9	11.260	208-230/460V	⊗
0.75	1800	56C	.7518EP3ESS56CFL	616	S1	52	1.25	81.3	11.260	208-230/460V	⊗
	1200	56C	.7512EP3ESS56CFL	723	S1	64	1.29	82.9	11.260	208-230/460V	⊗
	3600	56C	00136EP3ESS56CFL	649	S1	58	1.48	83.3	11.260	208-230/460V	
1	1800	56C	00118EP3ESS56CFL	669	S1	60	1.58	82.3	11.260	208-230/460V	
	1800	56C	00118NP3ESS56CFL	669	S1	60	1.50	82.3	12.140	208-230/460V	⊗
	1800	143TC	00118EP3ESS143TCFL	714	S1	75	1.50	82.5	11.700	208-230/460V	
	1800	143TC	00118NP3ESS143TCFL	714	S1	75	1.50	82.5	12.200	208-230/460V	⊗
	3600	56C	00156EP3ESS56CFL	764	S1	63	2.05	82.3	11.260	208-230/460V	
1.5	3600	145TC	00156EP3ESS145TCFL	777	S1	72	2.00	82.5	12.200	208-230/460V	
	1800	56C	00158EP3ESS56CFL	783	S1	64	2.01	82.0	11.670	208-230/460V	
	1800	145TC	00158EP3ESS145TCFL	790	S1	62	2.20	84.0	12.200	208-230/460V	
	3600	56C	00236EP3ESS56CFL	916	S1	78	2.62	83.0	13.230	208-230/460V	
2	3600	145TC	00236EP3ESS145TCFL	1,005	S1	82	2.70	84.0	12.200	208-230/460V	
	1800	56C	00218EP3ESS56CFL	927	S1	78	2.69	85.0	13.230	208-230/460V	
	1800	145TC	00218EP3ESS145TCFL	1,016	S1	80	2.80	84.0	13.700	208-230/460V	
	3600	145TC	00336EP3ESS145TCFL	1,303	S1	90	3.80	84.0	13.700	208-230/460V	♦
3	3600	182TC	00336EP3ESS182TCFL	1,303	S1	95	3.80	85.5	15.300	208-230/460V	
	1800	182TC	00318EP3ESS182TCFL	1,307	S1	102	3.90	87.5	15.300	208-230/460V	

- ELECTRICAL FEATURES ON PAGE B-38.
- MECHANICAL FEATURES ON PAGE B-91.

⊗ = Total Enclosed Non-Ventilated ♣ = Reduced Frame ♦ = Not available in stock

DEFINITE PURPOSE



THREE PHASE

Single and double shaft end available, these motors are suitable for a wide range of applications such as circular saws, pendulum saws, polishing machines and others. Motors are all cast iron and have service factor 1.0. They can replace conventional circular saw drive systems



APPLICATIONS

- Circular saws
- Pendulum saws
- Grinding machines
- Polishing machines

OPTIONAL FEATURES

- Special voltages
- Specially dimensioned shaft
- NPT, metric, etc. threaded holes at terminal box
- Stainless steel shaft
- Double shaft

STANDARD FEATURES

- Three-phase, 60Hz, 2 and 4 Poles.
- Voltage: 208-230/460 V or 575 V
- 80S-MS up to 90L-MS - IEC metric frames
- Squirrel cage rotor / Aluminum die cast
- Totally Enclosed Fan Cooled - TEFC (IP54 according to IEC34-5 standard)
- Cast iron frame
- Ball bearings
- Dimensions according to IEC 72
- Class 'F' insulation
- Service factor: 1.0
- Continuous duty (S1)
- 104°F (40°C) ambient temperature
- Altitude: 3300 ft (1000 m)
- 1045 carbon steel shaft
- F1 mount
- Stainless steel nameplate
- Paint: Enamel alkyd resin base
- Color: RAL 7022 (Dark Gray)
- PG threaded terminal box
- Temperature rise: Class 'B' (80°)

HIGHLIGHTS

- Reinforced cast iron frames
- CW and CCW rotation available

- IEC metric frame motors
- All cast iron - strong, reliable design & construction
- Single and double shaft end available
- Can advantageously replace conventional circular saw drive systems.



APPROVED BY

E 104590





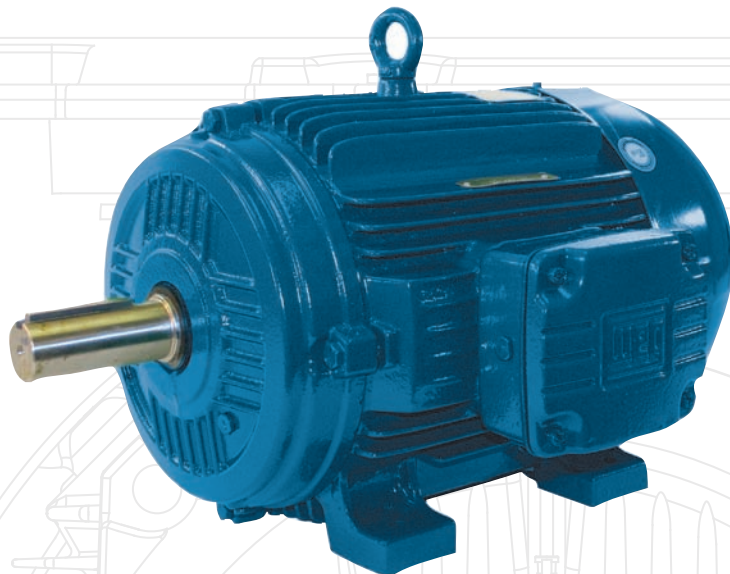
TEFC – THREE-PHASE

HP	RPM	NEMA FRAME	CATALOG NUMBER	LIST PRICE	MULT. SYM.	APPROX. SHIPP. WEIGHT (LBS.)	FL AMPS 230V	FL Eff. %	“C” DIMENSION (IN.)	VOLTAGE	NOTES
3	3600	80S	00336ES3ESA80SL	969	01	105	4.80	79.2	18.543	208-230/460V	
	3600	80S	00336ES3ESA80SR	969	01	105	4.80	79.2	18.543	208-230/460V	
5	3600	80M	00536ES3ESA80ML	1,160	01	117	7.00	85.0	20.512	208-230/460V	
	3600	80M	00536ES3ESA80MR	1,160	01	117	7.00	85.0	20.512	208-230/460V	
	1800	90L	00518ES3ESA90LL	1,701	01	158	7.50	84.0	26.457	208-230/460V	
	1800	90L	00518ES3ESA90LR	1,701	01	158	7.50	84.0	26.457	208-230/460V	
7.5	3600	80L	00736ES3ESA80LL	1,642	01	141	10.5	87.4	22.480	208-230/460V	
	3600	80L	00736ES3ESA80LR	1,642	01	141	10.5	87.4	22.480	208-230/460V	
	3600	80L	00736ES3HSA80LL	1,642	01	141	10.5	87.4	22.480	575V	
	3600	80L	00736ES3HSA80LR	1,642	01	141	10.5	87.4	22.480	575V	
	1800	90L	00718ES3ESA90LL	1,855	01	170	10.1	84.0	26.457	208-230/460V	
	1800	90L	00718ES3ESA90LR	1,855	01	170	10.1	84.0	26.457	208-230/460V	
10	3600	90L	01036ES3ESA90LL	1,953	01	170	13.0	83.0	26.457	208-230/460V	
	3600	90L	01036ES3ESA90LR	1,953	01	170	13.0	83.0	26.457	208-230/460V	
	3600	90L	01036ES3HSA90LL	1,953	01	170	13.0	83.0	26.457	575V	
	3600	90L	01036ES3HSA90LR	1,953	01	170	13.0	83.0	26.457	575V	
	1800	90L	01018ES3ESA90LL	2,176	01	182	14.4	84.0	26.457	208-230/460V	
	1800	90L	01018ES3ESA90LR	2,176	01	182	14.4	84.0	26.457	208-230/460V	

- ELECTRICAL FEATURES ON PAGE B-37.
- MECHANICAL FEATURES ON PAGE B-92.

DEFINITE
PURPOSE

NEMA Premium™



FAN COVER

Steel covers on 143T up to 215T frames and cast iron on frames 254T and up

BEARINGS

The bearings are dimensioned to ensure long life to the motor, even under heavy working conditions. Positive pressure lubrication system includes a drain plug that allows the outflow of excess grease on 254T frames up to 586/7.

EYEBOLT

For easy handling, motor 184T frames and larger are provided with an eyebolt. Footless motors are provided with two eyebolts

NAMEPLATE

Stainless steel nameplate contains a complete and permanent record of all motor data (according of NEMA requirement).

FRAME

Made of FC-200 cast iron, with external fins for maximum cooling effect.

ROTOR

Aluminum die cast into a magnetic steel lamination for low electric losses. Dynamically balanced for smooth operation, reduced vibration and noise.

ENDSHIELD

Made of cast iron, with external fins for heat dissipation. They also have polished bearing housings for longer bearing life.

DRAIN PLUG

Provided with automatic drain plug that quickly drains condensation.

FAN

Made of rigid plastic from frames 143T up to 505T and aluminum for frame 586/7. Non sparking, non toxic, resistant to environmental conditions, and ensures low noise operation.

TERMINAL BOX

Oversized, cast iron construction. Gasketed lid and between box frame. NPT threads holes to connect conduit or cable glands

WINDING

All copper winding wire enameled with class "H" polyester varnish. The winding is insulated on stator slots and between the coil phase with Class "F" insulating materials of high dielectric rigidity and solvent free polyester resin excellent mechanical resistance.

STATOR

Made of silicon steel laminations thermochemically treated to improve the electric characteristics, reducing electric losses and the operating temperature.

SHAFT

Made of ASTM 1045 carbon steel. It is thermally treated to minimize internal stress and to resist bending and fatigue caused by torsion and flexing. Roller bearing motors use 4140 alloy steel for extra torsional strength on applications.

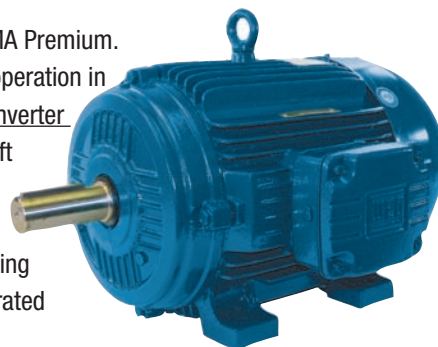
V-RING SLINGER

In both endshield to protect bearings and motor from the aggressive components present in the environment.

Note: Internal Epoxy coating on all internal surfaces for corrosion prevention.

TEFC – THREE PHASE – FOOT MOUNT

WEG'S Cooling Tower - NEMA Premium Efficiency motors meet or exceed all NEMA Premium. These TEFC motors are built according to NEMA specifications and designed for operation in 100% humidity and the most corrosive environments. The entire line is certified Inverter Rated for use with a VFD. They are designed to operate in either horizontal or shaft up position. As with any other WEG motor, Cooling Tower motors are tested in accordance with IEEE 112, Method B, and their efficiency values are certified by UL Labs (CSA C390). Cooling Tower motors will meet Design B torques, maintaining exceedingly high breakdown and locked rotor torque while providing the highest rated efficiency levels.



APPLICATIONS

- Cooling Tower
- Evaporative Condensers
- Chemical plants
- Pulp and paper mills
- Pumps
- Fans
- Packaging equipment

OPTIONAL FEATURES

- Special voltages
- Specially designed shaft
- Thermistor, Thermostats or RTD's (PT100)
- Additional terminal box
- Drip cover (canopy) for shaft down applications
- Cable glands
- 'C' and 'D' flanges for all ratings
- Labyrinth taconite seal available on all ratings
- Space Heaters

STANDARD FEATURES

- Three-phase, 4, 6, 4/8 and 6/12 pole, 60Hz, 60/50Hz (Single Speed Only)
- Voltage: 208-230/460V, 200V, 460V or 575V
- Totally Enclosed Fan Cooled – TEFC (IP55) water tight and dust tight enclosure
- Multiple Endbell Drains for shaft up, down or horizontal mounting
- Automatic drain plugs on T-Box
- Rubber Lead Separator (isolator) between T-Box and Frame
- Joint Seal
- Internally and Externally Epoxy painted
- V-ring slingers on both endshields
- External Slinger (Umbrella Seal)
- Double Sealed - 2RS Ball Bearings (up to 326T)
- 1045 Carbon Steel Shaft for frames up to 365T.
- 4140 steel shaft for motors 404T and above. (3600 RPM motors supplied with 1045)
- NEMA dimensions
- Double Impregnation and Bake
- Class 'F' insulation for all frames
- Class 'H' resin insulation system
- Temperature rise: Class 'B' (80°C)
- NEMA Design 'B'*
- Most ratings meet Design C Torque
- Service factor:

HIGHLIGHTS

- Meet or exceeds NEMA premium efficiency levels
- Single and two-speed available
- Space Heaters
- Multiple endbell drain
- External and Internal epoxy paint

1.25 up to 100HP

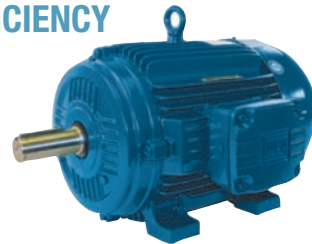
1.15 from 125HP & up

- Continuous duty (S1)
- NPT threaded terminal box
- F2 mount
- Stainless steel nameplate AISI 316 with laser etching
- Meets NEMA MG 1 Part 31 for use with VFD - 1000:1 Variable Torque speed range.

Note:

* Design B torque rating on nameplate can be re-plated for Design C for 15 - 200Hp 1800 and 1200 rpm.
All motors are tested according to IEEE 112 Std. - Method 'B' or C390 CSA.
Energy efficiency motors verified by UL in addition to the DOE.





FOOT MOUNT - TEFC

HP	RPM	NEMA FRAME	CATALOG NUMBER	LIST PRICE	MULT. SYM.	APPROX. SHIPP. WEIGHT (LBS.)	FL Amps @ High Voltage	FL Eff. %	"C" DIMENSION (IN.)	VOLTAGE	NOTES
1	1800	143T	00118ET3PCT143T	647	L1	54	3.29	85.5	12.250	200V	
	1800	143T	00118ET3ECT143T	647	L1	54	1.43	85.5	12.250	208-230/460V	
	1200	145T	00112ET3PCT145T	728	L1	56	3.98	82.5	13.234	200V	
	1200	145T	00112ET3ECT145T	728	L1	56	1.73	82.5	13.234	208-230/460V	
1.5	1800	145T	00158ET3PCT145T	676	L1	56	4.60	86.5	13.234	200V	
	1800	145T	00158ET3ECT145T	676	L1	56	2.00	86.5	13.234	208-230/460V	
	1200	182T	00152ET3PCT182T	903	L1	79	5.50	87.5	14.860	200V	
	1200	182T	00152ET3ECT182T	903	L1	79	2.39	87.5	14.860	208-230/460V	
2	1800	145T	00218ET3PCT145T	752	L1	58	6.05	86.5	13.234	200V	
	1800	145T	00218ET3ECT145T	752	L1	58	2.63	86.5	13.234	208-230/460V	
	1200	184T	00212ET3PCT184T	981	L1	97	7.43	88.5	15.860	200V	
	1200	184T	00212ET3ECT184T	981	L1	97	3.23	88.5	15.860	208-230/460V	
3	1800	182T	00318ET3PCT182T	781	L1	99	8.97	89.5	14.860	200V	
	1800	182T	00318ET3ECT182T	781	L1	99	3.90	89.5	14.860	208-230/460V	
	1200	213T	00312ET3PCT213T	1,329	L1	134	10.1	89.5	18.021	200V	
	1200	213T	00312ET3ECT213T	1,329	L1	134	4.41	89.5	18.021	208-230/460V	
5	1800	184T	00518ET3PCT184T	894	L1	108	14.7	89.5	15.860	200V	
	1800	184T	00518ET3ECT184T	894	L1	108	6.40	89.5	15.860	208-230/460V	
	1200	215T	00512ET3PCT215T	1,517	L1	175	15.7	89.5	19.517	200V	
	1200	215T	00512ET3ECT215T	1,517	L1	175	6.83	89.5	19.517	208-230/460V	
7.5	1800	213T	00718ET3PCT213T	1,293	L1	165	21.4	91.7	18.021	200V	
	1800	213T	00718ET3ECT213T	1,293	L1	165	9.29	91.7	18.021	208-230/460V	
	1200	254T	00712ET3PCT254T	2,433	L1	282	22.4	91.0	23.213	200V	
	1200	254T	00712ET3ECT254T	2,433	L1	282	9.73	91.0	23.213	208-230/460V	
10	1800	215T	01018ET3PCT215T	1,475	L1	172	29.0	91.7	19.517	200V	
	1800	215T	01018ET3ECT215T	1,475	L1	172	12.6	91.7	19.517	208-230/460V	
	1200	256T	01012ET3PCT256T	2,751	L1	316	30.6	91.0	24.945	200V	
	1200	256T	01012ET3ECT256T	2,751	L1	316	13.3	91.0	24.945	208-230/460V	
15	1800	254T	01518ET3PCT254T	2,122	L1	291	41.4	92.4	23.213	200V	
	1800	254T	01518ET3ECT254T	2,122	L1	291	18.0	92.4	23.213	208-230/460V	
	1200	284T	01512ET3PCT284T	3,850	L1	360	39.8	91.7	26.433	200V	
	1200	284T	01512ET3ECT284T	3,850	L1	360	17.3	91.7	26.433	208-230/460V	
20	1800	256T	02018ET3PCT256T	2,549	L1	324	56.1	93.0	24.945	200V	
	1800	256T	02018ET3ECT256T	2,549	L1	324	24.4	93.0	24.945	208-230/460V	
	1200	286T	02012ET3PCT286T	4,635	L1	503	55.4	91.7	27.929	200V	
	1200	286T	02012ET3ECT286T	4,635	L1	503	24.1	91.7	27.929	208-230/460V	
25	1800	284T	02518ET3PCT284T	3,236	L1	481	67.9	93.6	26.433	200V	
	1800	284T	02518ET3ECT284T	3,236	L1	481	29.5	93.6	26.433	208-230/460V	
	1200	324T	02512ET3PCT324T	5,543	L1	605	70.2	93.0	29.620	200V	
	1200	324T	02512ET3ECT324T	5,543	L1	605	30.5	93.0	29.620	208-230/460V	
30	1800	286T	03018ET3PCT286T	3,738	L1	525	80.7	93.6	27.929	200V	
	1800	286T	03018ET3ECT286T	3,738	L1	525	35.1	93.6	27.929	208-230/460V	
	1200	326T	03012ET3PCT326T	6,064	L1	673	82.3	93.0	31.116	200V	
	1200	326T	03012ET3ECT326T	6,064	L1	673	35.8	93.0	31.116	208-230/460V	
40	1800	324T	04018ET3PCT324T	4,805	L1	640	111	94.1	29.620	200V	
	1800	324T	04018ET3ECT324T	4,805	L1	640	48.3	94.1	29.620	208-230/460V	
	1200	364T	04012ET3PCT364T	8,376	L1	1076	108	94.1	33.709	200V	
	1200	364T	04012ET3ECT364T	8,376	L1	1076	47.1	94.1	33.709	208-230/460V	
50	1800	326T	05018ET3PCT326T	5,865	L1	662	139	94.5	31.116	200V	
	1800	326T	05018ET3ECT326T	5,865	L1	662	60.6	94.5	31.116	208-230/460V	
	1200	365T	05012ET3PCT365T	9,625	L1	1127	133	94.1	33.709	200V	
	1200	365T	05012ET3ECT365T	9,625	L1	1127	58.0	94.1	33.709	208-230/460V	

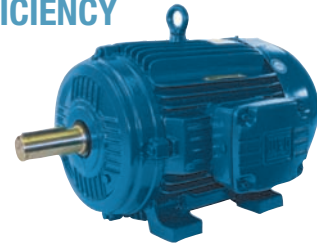
Note:

- Motors supplied as F2 mount are standard.
For F1 mounting add "-F1" at the end of the part number.
- Check your nearest WEG office for availability of this line.

- ELECTRICAL FEATURES ON PAGE B-14, B-15.
- MECHANICAL FEATURES ON PAGE B-95.

COOLING TOWER – NEMA PREMIUM EFFICIENCY

SINGLE SPEED – THREE PHASE – TEFC



FOOT MOUNT - TEFC

HP	RPM	NEMA FRAME	CATALOG NUMBER	LIST PRICE	MULT. SYM.	APPROX. SHIPP. WEIGHT (LBS.)	FL Amps @ High Voltage	FL Eff. %	"C" DIMENSION (IN.)	VOLTAGE	NOTES
60	1800	364T	06018ET3PCT364T	8,497	L1	1036	157	95.0	33.709	200V	
	1800	364T	06018ET3ECT364T	8,497	L1	1036	68.4	95.0	33.709	208-230/460V	
	1200	404T	06012ET3PCT404T	11,861	L1	1346	162	94.5	38.077	200V	
	1200	404T	06012ET3ECT404T	11,861	L1	1346	70.4	94.5	38.077	208-230/460V	
75	1800	365T	07518ET3PCT365T	9,924	L1	1047	189	95.4	33.709	200V	
	1800	365T	07518ET3ECT365T	9,924	L1	1047	82.3	95.4	33.709	208-230/460V	
	1200	405T	07512ET3PCT405T	13,626	L1	1478	200	94.5	38.077	200V	
	1200	405T	07512ET3ECT405T	13,626	L1	1478	87.0	94.5	38.077	208-230/460V	
100	1800	405T	10018ET3PCT405T	13,092	L1	1302	258	95.4	38.077	200V	
	1800	405T	10018ET3ECT405T	13,092	L1	1302	112	95.4	38.077	208-230/460V	
	1200	444T	10012ET3PCT444T	17,194	L1	2006	278	95.0	43.776	200V	
	1200	444T	10012ET3ECT444T	17,194	L1	2006	121	95.0	43.776	208-230/460V	

FOOT MOUNT - TEAO

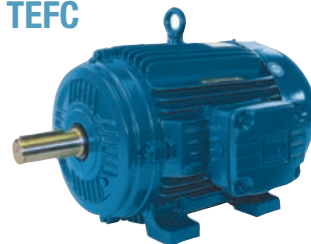
HP	RPM	NEMA FRAME	CATALOG NUMBER	LIST PRICE	MULT. SYM.	APPROX. SHIPP. WEIGHT (LBS.)	FL Amps @ High Voltage	FL Eff. %	"C" DIMENSION (IN.)	VOLTAGE	NOTES
1	1800	143T	00118ET3PCTA143T	647.00	L1	54	3.29	85.5	12.148	200V	
1.5	1800	145T	00158ET3PCTA145T	676.00	L1	56	4.60	86.5	13.286	200V	
2	1800	145T	00218ET3ECTA145T	752.00	L1	58	2.63	86.5	13.286	208-230/460V	
	1800	145T	00218ET3PCTA145T	752.00	L1	58	6.05	86.5	13.286	200V	
3	1800	182T	00318ET3ECTA182T	781.00	L1	99	3.90	89.5	14.186	208-230/460V	
	1800	182T	00318ET3HCTA182T	781.00	L1	99	3.12	89.5	14.186	575V	
	1800	182T	00318ET3PCTA182T	781.00	L1	99	8.97	89.5	14.186	200V	
5	1800	184T	00518ET3ECTA184T	894.00	L1	108	6.40	89.5	15.186	208-230/460V	
	1800	184T	00518ET3HCTA184T	894.00	L1	108	5.12	89.5	15.186	575V	
	1800	184T	00518ET3PCTA184T	894.00	L1	108	14.72	89.5	15.186	200V	
7.5	1800	213T	00718ET3ECTA213T	1,293.00	L1	165	9.29	91.7	17.428	208-230/460V	
	1800	213T	00718ET3HCTA213T	1,293.00	L1	165	7.43	91.7	17.428	575V	
	1800	213T	00718ET3PCTA213T	1,293.00	L1	165	21.4	91.7	17.428	200V	
10	1800	215T	01018ET3ECTA215T	1,475.00	L1	172	12.6	91.7	18.928	208-230/460V	
	1800	215T	01018ET3HCTA215T	1,475.00	L1	172	10.1	91.7	18.928	575V	
	1800	215T	01018ET3PCTA215T	1,475.00	L1	172	29.0	91.7	18.928	200V	
15	1800	254T	01518ET3ECTA254T	2,122.00	L1	291	18.0	92.4	22.621	208-230/460V	
	1800	254T	01518ET3HCTA254T	2,122.00	L1	291	14.4	92.4	22.621	575V	
	1800	254T	01518ET3PCTA254T	2,122.00	L1	291	41.4	92.4	22.621	200V	
20	1800	256T	02018ET3ECTA256T	2,549.00	L1	324	24.4	93.0	24.353	208-230/460V	
	1800	256T	02018ET3HCTA256T	2,549.00	L1	324	19.5	93.0	24.353	575V	
	1800	256T	02018ET3PCTA256T	2,549.00	L1	324	56.1	93.0	24.353	200V	
25	1800	284T	02518ET3ECTA284T	3,236.00	L1	481	29.5	93.6	25.315	208-230/460V	
30	1800	286T	03018ET3ECTA286T	3,738.00	L1	525	35.1	93.6	26.811	208-230/460V	
	1800	286T	03018ET3PCTA286T	3,738.00	L1	525	80.7	93.6	26.811	200V	
40	1800	324T	04018ET3ECTA324T	4,805.00	L1	640	48.3	94.1	28.397	208-230/460V	

Note:

- Motors supplied as F2 mount are standard. For F1 mounting add "-F1" at the end of the part number.
- Check your nearest WEG office for availability of this line.

- ELECTRICAL FEATURES ON PAGE B-14, B-15.
- MECHANICAL FEATURES ON PAGE B-95.

DEFINITE PURPOSE



FOOT MOUNT

HP	RPM	NEMA FRAME	CATALOG NUMBER	LIST PRICE	MULT. SYM.	APPROX. SHIPP. WEIGHT (LBS.)	FL Amps @ High Voltage	FL Eff. %	"C" DIMENSION (IN.)	VOLTAGE	NOTES
2.0 / 0.50	1800 / 900	145T	00289EP3PCT145V	929	H1	56	6.4	82.5	13.234	200V	
3.0 / 0.75	1800 / 900	182T	00389EP3PCT182V	1,369	H1	97	9.4	85.5	14.860	200V	
	1800 / 900	182T	00389EP3QCT182V	1,369	H1	97	4.1	85.5	14.860	460V	
5.0 / 1.25	1800 / 900	184T	00589EP3PCT184V	1,471	H1	102	15.4	86.5	15.860	200V	
	1800 / 900	184T	00589EP3QCT184V	1,471	H1	102	6.7	86.5	15.860	460V	
	1800 / 900	215T	00589EP3PCT215V2	2,262	H1	148	15.2	86.5	19.517	200V	②
	1800 / 900	215T	00589EP3QCT215V2	2,262	H1	148	6.6	86.5	19.517	460V	②
7.5 / 1.75	1800 / 900	213T	00789EP3PCT213V	1,672	H1	150	21.2	88.5	18.021	200V	
	1800 / 900	213T	00789EP3QCT213V	1,672	H1	150	9.2	88.5	18.021	460V	
	1800 / 900	254T	00789EP3PCT254V2	2,808	H1	240	23.0	86.5	23.213	200V	②
	1800 / 900	254T	00789EP3QCT254V2	2,808	H1	240	10.0	86.5	23.213	460V	②
10 / 2.5	1800 / 900	215T	01089EP3PCT215V	1,891	H1	165	28.8	88.5	19.517	200V	
	1800 / 900	215T	01089EP3QCT215V	1,891	H1	165	12.5	88.5	19.517	460V	
	1800 / 900	256T	01089EP3PCT256V2	3,052	H1	240	29.9	88.5	23.213	200V	②
	1800 / 900	256T	01089EP3QCT256V2	3,052	H1	240	13.0	88.5	23.213	460V	②
15 / 3.75	1800 / 900	254T	01589EP3PCT254V	2,572	H1	266	43.7	89.5	23.213	200V	
	1800 / 900	254T	01589EP3QCT254V	2,572	H1	266	19.0	89.5	23.213	460V	
	1800 / 900	284T	01589EP3PCT284V2	3,878	H1	291	43.0	88.5	24.945	200V	②
	1800 / 900	284T	01589EP3QCT284V2	3,878	H1	291	18.7	88.5	24.945	460V	②

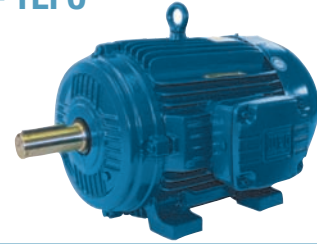
Note:

- Motors supplied as F2 mount are standard.
For F1 mounting add "-F1" at the end of the part number.
- Check your nearest WEG office for availability of this line.

- MECHANICAL FEATURES ON PAGE B-95.
 - TO OBTAIN ELECTRICAL FEATURES FOR THIS ITEM,
PLEASE CONTACT YOUR SALES REPRESENTATIVE.
- ② = DOUBLE WINDING

COOLING TOWER – HIGH EFFICIENCY – TEFC

TWO SPEED (1 & 2 WINDINGS)



FOOT MOUNT

HP	RPM	NEMA FRAME	CATALOG NUMBER	LIST PRICE	MULT. SYM.	APPROX. SHIPP. WEIGHT (LBS.)	FL Amps @ High Voltage	FL Eff. %	"C" DIMENSION (IN.)	VOLTAGE	NOTES
20 / 5	1800 / 900	256T	02089EP3PCT256V	2,923	H1	313	60.0	90.2	24.945	200V	
	1800 / 900	256T	02089EP3QCT256V	2,923	H1	313	26.1	90.2	24.945	460V	
	1800 / 900	286T	02089EP3PCT286V2	4,827	H1	371	57.3	90.2	27.929	200V	②
	1800 / 900	286T	02089EP3QCT286V2	4,827	H1	371	24.9	90.2	27.929	460V	②
25 / 6.25	1800 / 900	286T	02589EP3PCT286V	4,199	H1	437	72.8	91.7	26.433	200V	
	1800 / 900	286T	02589EP3QCT286V	4,199	H1	437	31.7	91.7	26.433	460V	
	1800 / 900	324T	02589EP3PCT324V2	5,826	H1	477	72.9	91.0	27.929	200V	②
	1800 / 900	324T	02589EP3QCT324V2	5,826	H1	477	31.7	91.0	27.929	460V	②
30 / 7.5	1800 / 900	324T	03089EP3PCT324V	4,725	H1	481	85.4	91.7	29.620	200V	
	1800 / 900	324T	03089EP3QCT324V	4,725	H1	481	37.1	91.7	29.620	460V	
	1800 / 900	326T	03089EP3PCT326V2	6,995	H1	545	86.0	91.7	29.620	200V	②
	1800 / 900	326T	03089EP3QCT326V2	6,995	H1	545	37.4	91.7	29.620	460V	②
40 / 10	1800 / 900	326T	04089EP3PCT326V	5,464	H1	2543	116.0	92.4	31.116	200V	
	1800 / 900	326T	04089EP3QCT326V	5,464	H1	2543	50.4	92.4	31.116	460V	
	1800 / 900	364/5T	04089EP3PCT364V2	8,720	H1	640	111.6	91.0	31.116	200V	②
	1800 / 900	364/5T	04089EP3QCT364V2	8,720	H1	640	48.5	91.0	31.116	460V	②
50 / 12.5	1800 / 900	364/5T	05089EP3PCT364V	7,526	H1	640	136.0	92.4	33.709	200V	
	1800 / 900	364/5T	05089EP3QCT364V	7,526	H1	640	59.1	92.4	33.709	460V	
	1800 / 900	364/5T	05089EP3PCT365V2	11,093	H1	1015	134.6	91.7	33.709	200V	
	1800 / 900	364/5T	05089EP3QCT365V2	11,093	H1	1015	58.5	91.7	33.709	460V	
60 / 15	1800 / 900	364/5T	06089EP3PCT365V	11,068	H1	963	162.0	93.0	33.709	200V	
	1800 / 900	364/5T	06089EP3QCT365V	11,068	H1	963	70.4	93.0	33.709	460V	
75 / 18.75	1800 / 900	404/5T	07589EP3PCT404V	14,226	H1	1010	197.0	93.0	38.077	200V	
	1800 / 900	404/5T	07589EP3QCT404V	14,226	H1	1010	85.7	93.0	38.077	460V	
100 / 25	1800 / 900	444/5T	10089EP3PCT444V	16,398	H1	1273	274.0	94.1	43.776	200V	
	1800 / 900	444/5T	10089EP3QCT444V	16,398	H1	1273	119.1	94.1	43.776	460V	

Note:

- Motors supplied as F2 mount are standard.
For F1 mounting add "-F1" at the end of the part number.
- Check your nearest WEG office for availability of this line.

- MECHANICAL FEATURES ON PAGE B-95.
- TO OBTAIN ELECTRICAL FEATURES FOR THIS ITEM, PLEASE CONTACT YOUR SALES REPRESENTATIVE.
- ② = DOUBLE WINDING

DEFINITE
PURPOSE



Definite Purpose Commercial HVAC Motors

SINGLE PHASE

WEG poultry fan motors are specifically designed for agricultural fan applications. Mounted within the airstream for proper cooling, the totally enclosed design ensures long life in poultry house and barn exhaust fan applications.

Designed for air moving applications, mounted within the airstream for proper cooling offered as ODP or TEAO.



- Automatic thermal overload
- Resilient base

APPLICATIONS

- Exhaust fan
- Blowers
- Air Conditioning equipment

OPTIONAL FEATURES

- Class 'F' insulation
- Special voltages
- Specially dimensioned shaft

STANDARD FEATURES

- Single-phase, 4 & 4/6 pole, 60Hz
- Three-phase, 4, pole, 60Hz
- Totally Enclosed Air Over (TEAO) or Open drip proof (ODP)
- Double shielded ball bearings (ZZ)
- Squirrel cage rotor
- Class 'B' insulation (130°C)
- Continuous Duty (S1)
- Automatic Thermal Overload (ATO) for 10
- Rotation: Reversible (except evaporative)
- Resilient base or rigid base (evaporative cooler motors supplied w/o base)



RESILIENT BASE SINGLE-PHASE - ODP

HP	RPM	NEMA FRAME	CATALOG NUMBER	LIST PRICE	MULT. SYM.	APPROX. SHIPP. WEIGHT (LBS.)	FL AMPS 230V	FL Eff. %	"C" DIMENSION (IN.)	VOLTAGE	NOTES
1/4	1800	48	.25180S1BRB0B48	274	F1B	20	1.35	2.65	10.632	115/208-230	3, 12, 15
1/3	1800	48	.33180S1BRB0C48	284	F1B	23	1.35	3.30	11.417	115/208-230	3, 12, 15
	1800	56	.33180S1BRB0C56	288	F1B	23	1.35	3.30	10.551	115/208-230	3, 12, 15
	1800	56	.33180S1PRB0C56	289	F1B	22	1.35	2.58	11.593	277	3, 12
1/2	1800	48	.50180S1BRB0C48	311	F1B	24	1.25	4.25	11.417	115/208-230	3, 12, 15
	1800	56	.50180S1BRB0C56	316	F1B	24	1.25	4.25	10.551	115/208-230	3, 12, 15
	1800	56	.50180S1PRB0C56	317	F1B	24	1.25	3.30	11.593	277	3, 12
3/4	1800	56	.75180S1BRB0D56	379	F1B	36	1.25	5.40	12.283	115/208-230	3, 12
	1800	56	.75180S1PRB0D56	380	F1B	36	1.25	4.80	12.993	277	3, 12
1	1800	56	001180S1BRB0D56	408	F1B	39	1.15	7.00	12.283	115/208-230	3, 12
	1800	56	001180S1PRB0D56	409	F1B	36	1.15	5.40	12.993	277	3, 12
1 1/2	3600	56	001560S1BRB0D56	386	F1B	40	1.15	8.90	12.283	115/208-230	3, 12
	1800	56	001580S1BRB0D56	491	F1B	51	1.15	9.70	13.464	115/208-230	3, 12

- ELECTRICAL FEATURES ON PAGE B-39.
- MECHANICAL FEATURES ON PAGE B-73 & B-93.

- 3 - Automatic Thermal Overload Protector
- 12 - Resilient Base
- 15 - Split-Phase motor

RESILIENT BASE THREE-PHASE - ODP

HP	RPM	NEMA FRAME	CATALOG NUMBER	LIST PRICE	MULT. SYM.	APPROX. SHIPP. WEIGHT (LBS.)	FL AMPS 230V	FL Eff. %	"C" DIMENSION (IN.)	VOLTAGE	NOTES
1/3	1800	56	.33180S3ERBB56	279	F1B	23	1.35	1.40	11.023	208-230/460	12
1/2	1800	56	.50180S3ERBB56	310	F1B	24	1.25	1.84	11.023	208-230/460	12
3/4	1800	56	.75180S3ERBE56	339	F1B	28	1.25	2.70	11.811	208-230/460	12
1	1800	56	001180S3ERBE56	356	F1B	30	1.15	3.40	11.811	208-230/460	12
1.5	1800	56	001580S3ERBE56	364	F1B	35	1.15	4.60	12.992	208-230/460	12
1 1/2	3600	56	001560S1BRBOD56	386	F1B	40	1.15	8.90	12.283	115/208-230	12

RESILIENT BASE SINGLE-PHASE - TEAO

HP	RPM	NEMA FRAME	CATALOG NUMBER	LIST PRICE	MULT. SYM.	APPROX. SHIPP. WEIGHT (LBS.)	FL AMPS 230V	FL Eff. %	"C" DIMENSION (IN.)	VOLTAGE	NOTES
1/3	1800	48	.3318ES1BRBPFC48	325	G1	23	1.25	2.90	10.748	115/208-230	3, 12, 15
1/2	1800	56	.5018ES1BRBPFC56	350	G1	27	1.25	4.00	11.102	115/208-230	3, 12, 15
3/4	1800	56	.7518ES1BRBPF56	433	G1	33	1.25	5.50	11.125	115/208-230	3, 12
1	1800	56	00118ES1BRBPF56	469	G1	35	1.15	7.00	12.306	115/208-230	3, 12

RIGID BASE SINGLE-PHASE - TEAO

HP	RPM	NEMA FRAME	CATALOG NUMBER	LIST PRICE	MULT. SYM.	APPROX. SHIPP. WEIGHT (LBS.)	FL AMPS 230V	FL Eff. %	"C" DIMENSION (IN.)	VOLTAGE	NOTES
1/3	1800	48	.3318ES1BPFC48	311	G2	23	1.25	2.90	10.748	115/208-230	3, 15
1/2	1800	56	.5018ES1BPFC56	336	G2	27	1.25	4.00	11.102	115/208-230	3, 15
3/4	1800	56	.7518ES1BPF56	414	G2	33	1.25	5.50	11.125	115/208-230	3
1	1800	56	00118ES1BPF56	449	G2	35	1.15	7.00	12.306	115/208-230	3

EVAPORATIVE COOLER MOTORS SINGLE-PHASE - ODP

(BASE AND CLAMPS NOT SUPPLIED)

HP	RPM	NEMA FRAME	CATALOG NUMBER	LIST PRICE	MULT. SYM.	APPROX. SHIPP. WEIGHT (LBS.)	SF	FL AMPS 115V	"C" DIMENSION (IN.)	VOLTAGE	NOTES
1/3	1800	56	.33180S1AEC56	156	F1B	19	1.00	6.60	9.528	115	3, 15
1/3-1/9	1800 / 1200	56	.33820S1AEC56	188	F1B	19	1.00	6.60 / 3.70	9.528	115	3
1/2	1800	56	.50180S1AEC56	164	F1B	20	1.00	8.20	9.528	115	3, 15
1/2-1/6	1800 / 1200	56	.50820S1AEC56	199	F1B	20	1.00	8.20/4.60	9.528	115	3
3/4	1800	56	.75180S1AEC56	201	F1B	24	1.00	10.40	9.528	115	3
3/4-1/4	1800 / 1200	56	.75820S1AEC56	251	F1B	24	1.00	10.40 / 5.50	9.528	115	3
1-1/3	1800 / 1200	56	001820S1AEC56	364	F1B	28	1.00	12.10 / 7.10	10.965	115	3

- ELECTRICAL FEATURES ON PAGE B-39.
- MECHANICAL FEATURES ON PAGE B-73 & B-93.

3 - Automatic Thermal Overload Protector
12 - Resilient Base
15 - Split-Phase motor

DEFINITE
PURPOSE



Definite Purpose

Pad Mount **EPACT CC# CC029A**

TEAO – THREE PHASE FOOT & FLANGE MOUNT

WEG'S Pad Mount - The efficiency values are certified according to the DOE's regulations (Certificate of Compliance number CC029A). These TEAO motors are all cast iron construction, with enclosures rated IP55. They are provided with a detached terminal box and extended leads for remote installation. They are painted with WEG's own special system, using synthetic enamel alkyd resin paints, which exceed the ASTM B117 standard for salt spray test. The Pad Mount line is rated for 1.25 Service Factor up to 100HP. And the entire line is certified **Inverter Rated** for use with a VFD. This rating meets or exceeds MG 1 Part 31 NEMA Specifications.



APPLICATIONS

- Fans, where the motor is in the airstreams

OPTIONAL FEATURES

- Special voltages
- Specially designed shaft
- Thermal Protection
- Additional terminal box
- Special epoxy painting

STANDARD FEATURES

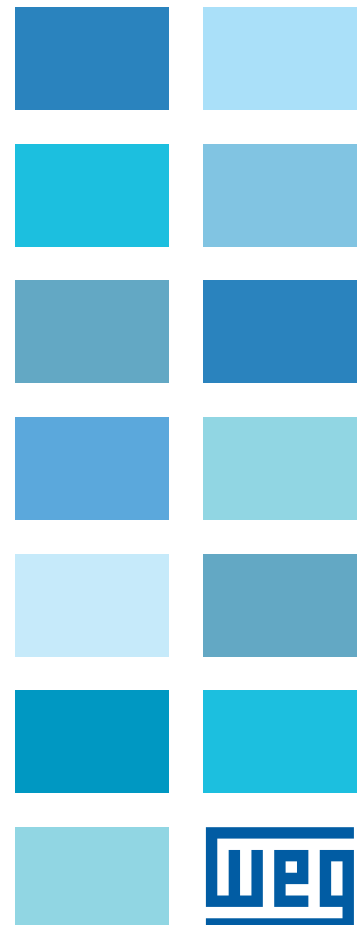
- Efficiency Certification number CC029A according to US Department of Energy Regulations
- Three-phase, 2, 4 and 6 pole, 60Hz
- Voltage: 208-230/460V
- IP55 - water tight and dust tight enclosure
- Squirrel cage rotor / Aluminum die cast
- V-ring slingers on both endshields
- 1045 Carbon Steel Shaft for frames up to 365T.
- Class 'F' insulation for all frames
- Class 'H' impregnation resin
- Temperature rise: Class 'B' (80°C)
- NEMA ratings design 'B'
- Service Factor: 1.25 up to 100HP
- Continuous duty (S1)
- Detached T-Box and Extended Leads
- Two Stainless steel nameplates AISI 316 with laser etching
- Paint: Synthetic enamel alkyd resin base (exceeds ASTM B117 salt spray test)
- Automatic drain plugs - pressure compensated
- Regreasable bearings, positive pressure lubrication system (frames 254T and up)
- Meets NEMA MG 1 Part 31 for use with VFD at 1000:1 Variable torque speed range

HIGHLIGHTS

- Detached terminal box and external leads
- Two stainless steel nameplates



* Design B torque rating on nameplate can be re-plated for Design C for 15 - 200Hp 1800 and 1200 rpm.
All motors are tested according to IEEE 112 std. - method 'B' or C390 CSA .
Energy efficiency motors verified by UL in addition to the DOE.



www.weg.net

PAD MOUNT

EPACT CC# CC029A



PAD MOUNT

HP	RPM	NEMA FRAME	CATALOG NUMBER	LIST PRICE	MULT. SYM.	APPROX. SHIPP. WEIGHT (LBS.)	FL AMPS 230V	FL Eff. %	"C" DIMENSION (IN.)	VOLTAGE	NOTES
1	1800	143T	00118EP3EPM143/5Y	465	Y1	43	1.49	82.5	12.250	208-230/460V	
	1200	145T	00112EP3EPM143/5Y	575	Y1	43	1.70	80.0	13.234	208-230/460V	◆
1.5	3600	143T	00156EP3EPM143/5Y	486	Y1	41	1.99	82.5	12.250	208-230/460V	
	1800	145T	00158EP3EPM143/5Y	466	Y1	50	2.05	84.0	13.234	208-230/460V	
	1200	182T	00152EP3EPM182/4Y	709	Y1	73	2.38	85.5	14.860	208-230/460V	◆
2	3600	145T	00236EP3EPM143/5Y	549	Y1	43	2.60	84.0	13.234	208-230/460V	
	1800	145T	00218EP3EPM143/5Y	521	Y1	52	2.70	84.0	13.234	208-230/460V	
	1200	184T	00212EP3EPM182/4Y	771	Y1	83	3.20	86.5	15.860	208-230/460V	◆
3	3600	182T	00336EP3EPM182/4Y	653	Y1	101	3.59	85.5	14.860	208-230/460V	
	1800	182T	00318EP3EPM182/4Y	585	Y1	92	3.90	87.5	14.860	208-230/460V	
	1200	213T	00312EP3EPM213/5Y	1,006	Y1	118	4.15	87.5	18.021	208-230/460V	◆
5	3600	184T	00536EP3EPM182/4Y	813	Y1	109	5.90	87.5	15.860	208-230/460V	
	1800	184T	00518EP3EPM182/4Y	692	Y1	96	6.48	87.5	15.860	208-230/460V	
7.5	3600	213T	00736EP3EPM213/5Y	1,090	Y1	144	8.66	88.5	18.021	208-230/460V	
	1800	213T	00718EP3EPM213/5Y	940	Y1	144	9.53	89.5	18.021	208-230/460V	
	1200	254T	00712EP3EPM254/6Y	1,861	Y1	256	9.53	89.5	23.213	208-230/460V	◆
10	3600	215T	01036EP3EPM213/5Y	1,268	Y1	144	11.7	89.5	19.517	208-230/460V	
	1800	215T	01018EP3EPM213/5Y	1,119	Y1	159	12.8	90.2	19.517	208-230/460V	
15	3600	254T	01536EP3EPM254/6Y	1,801	Y1	270	17.0	90.2	23.213	208-230/460V	
	1800	254T	01518EP3EPM254/6Y	1,658	Y1	256	17.9	91.0	23.213	208-230/460V	
20	1800	256T	02018EP3EPM254/6Y	2,035	Y1	303	24.4	91.0	24.945	208-230/460V	
25	1800	284T	02518EP3EPM284/6Y	2,458	Y1	423	29.6	92.4	26.433	208-230/460V	
30	1800	286T	03018EP3EPM284/6Y	3,008	Y1	467	34.4	92.4	27.929	208-230/460V	
40	1800	324T	04018EP3EPM324/6Y	4,069	Y1	573	47.6	93.0	29.620	208-230/460V	
50	1800	326T	05018EP3EPM324/6Y	4,536	Y1	624	57.8	93.6	31.116	208-230/460V	◆
60	1200	404T	06012EP3EPM404/5Y	10,017	Y1	1206	70.1	93.6	38.077	208-230/460V	◆

DEFINITE PURPOSE

- ELECTRICAL FEATURES ON PAGE B-6, B-7.
- TO OBTAIN MECHANICAL FEATURES FOR THIS ITEM, PLEASE CONTACT YOUR SALES REPRESENTATIVE.



PAD MOUNT

HP	RPM	NEMA FRAME	CATALOG NUMBER	LIST PRICE	MULT. SYM.	APPROX. SHIPP. WEIGHT (LBS.)	FL AMPS 230V	FL Eff. %	“C” DIMENSION (IN.)	VOLTAGE	NOTES
1	1800	143T	00118ET3EPM143/5Y	594	Y1	50	1.43	85.5	12.250	208-230/460V	
1.5	3600	143T	00156ET3EPM143/5Y	613	Y1	41	1.98	84.0	12.250	208-230/460V	
	1800	145T	00158ET3EPM143/5Y	617	Y1	52	2.00	86.5	13.234	208-230/460V	
2	3600	145T	00236ET3EPM143/5Y	661	Y1	48	2.65	85.5	13.234	208-230/460V	
	1800	145T	00218ET3EPM143/5Y	685	Y1	54	2.63	86.5	13.234	208-230/460V	
3	3600	182T	00336ET3EPM182/4Y	847	Y1	94	3.68	87.5	14.860	208-230/460V	
	1800	182T	00318ET3EPM182/4Y	735	Y1	94	3.90	89.5	14.860	208-230/460V	
	1200	213T	00312ET3EPM213/5Y	1,274	Y1	129	4.41	89.5	18.021	208-230/460V	◆
5	3600	184T	00536ET3EPM182/4Y	985	Y1	109	5.76	89.5	15.860	208-230/460V	
	1800	184T	00518ET3EPM182/4Y	855	Y1	102	6.40	89.5	15.860	208-230/460V	
7.5	3600	213T	00736ET3EPM213/5Y	1,248	Y1	128	8.63	91.0	18.021	208-230/460V	
	1800	213T	00718ET3EPM213/5Y	1,240	Y1	159	9.29	91.7	18.021	208-230/460V	
10	3600	215T	01036ET3EPM213/5Y	1,477	Y1	167	11.5	91.7	19.517	208-230/460V	
	1800	215T	01018ET3EPM213/5Y	1,450	Y1	166	12.6	91.7	19.517	208-230/460V	
	1200	256T	01012ET3EPM254/6Y	2,611	Y1	310	13.3	91.0	24.945	208-230/460V	◆
15	3600	254T	01536ET3EPM254/6Y	2,005	Y1	270	16.9	91.7	23.213	208-230/460V	
	1800	254T	01518ET3EPM254/6Y	2,050	Y1	281	18.0	92.4	23.213	208-230/460V	
	1200	284T	01512ET3EPM284/6Y	3,652	Y1	350	17.3	91.7	26.433	208-230/460V	◆
20	1800	256T	02018ET3EPM254/6Y	2,441	Y1	314	24.4	93.0	24.945	208-230/460V	
	1200	286T	02012ET3EPM284/6Y	4,437	Y1	493	24.1	91.7	27.929	208-230/460V	◆
25	1800	284T	02518ET3EPM284/6Y	3,071	Y1	467	29.5	93.6	26.433	208-230/460V	
	1200	324T	02512ET3EPM324/6Y	5,353	Y1	591	30.5	93.0	29.620	208-230/460V	◆
30	1800	286T	03018ET3EPM284/6Y	3,610	Y1	511	35.1	93.6	27.929	208-230/460V	
	1200	326T	03012ET3EPM324/6Y	5,906	Y1	659	35.8	93.0	31.116	208-230/460V	◆
40	1800	324T	04018ET3EPM324/6Y	4,638	Y1	626	48.3	94.1	29.620	208-230/460V	
	1200	364T	04012ET3EPM364/5Y	8,084	Y1	1062	47.1	94.1	33.709	208-230/460V	◆
50	1800	326T	05018ET3EPM324/6Y	5,661	Y1	646	60.6	94.5	31.116	208-230/460V	◆

- ELECTRICAL FEATURES ON PAGE B-14 & B-15.
- TO OBTAIN MECHANICAL FEATURES FOR THIS ITEM, PLEASE CONTACT YOUR SALES REPRESENTATIVE.

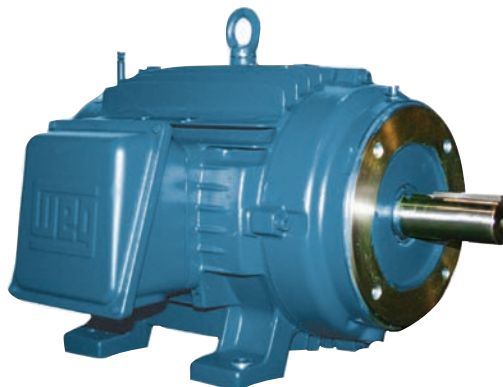
◆ = Product may not be available from stock

Definite Purpose Vector Duty Motors



TENV – THREE PHASE – FOOT MOUNT

Designed specifically for Inverter Operation, allowing its use in applications where 1000:1 constant torque turndown ratio is required.



APPLICATIONS

- Conveyors
- Crane and Hoists
- Extruders
- Metal Processing
- Any that would require constant torque over a wide speed range

OPTIONAL FEATURES

- Different mounting configurations
- Thermistors
- Space heater
- IP56, 65, 66 ratings
- Tropicalized Internal Painting
- Special shaft seals
- Encoder
- Brake

STANDARD FEATURES

- Designed to meet NEMA Premium Efficiency Levels
- Constant torque operation from 0 to base speed (1000:1) on PWM Vector Drive
- Constant Horsepower operation to 150% base speed at 40°C ambient
- C-face mount with feet
- Spike Resistant Wire
- Ready for Encoder mount (requires stub shaft)
- With Thermostats (1 per phase)
- Totally Enclosed Non-Ventilated
- V-Ring Seals
- Standard NEMA frame sizes
- Special nameplate data for easy drive setup
- IP55
- All Cast Iron Construction

HIGHLIGHTS

- Standard NEMA frame sizes
- IP55
- 1000:1 Constant Torque

TENV VECTOR DUTY

HP	RPM	MAX RPM	NEMA FRAME	CATALOG NUMBER	LIST PRICE	MULT. SYM.	APPROX. WT. (LBS)	FL AMPS (460V)	"C" DIM. (IN)	VOLTAGE
1	1800	2700	143TC	00118ET3EVD143TC	647	D1	49	1.41	11.203	230/460
1.5	1800	2700	145TC	00158ET3EVD145TC	705	D1	55	2.08	12.188	230/460
2	1800	2700	145TC	00218ET3EVD145TC	928	D1	60	2.66	12.188	230/460
3	1800	2700	182TC	00318ET3EVD182TC	1150	D1	97	3.81	12.919	230/460
5	1800	2700	184TC	00518ET3EVD184TC	1373	D1	99	6.88	13.919	230/460
7.5	1800	2700	213TC	00718ET3EVD213TC	1803	D1	168	9.35	16.125	230/460
10	1800	2700	215TC	01018ET3EVD215TC	2157	D1	175	12.74	17.220	230/460
15	1800	2700	254TC	01518ET3EVD254TC	2567	D1	300	20.5	21.021	230/460

- ELECTRICAL FEATURES ON PAGE B-38.
- MECHANICAL FEATURES ON PAGE B-94.
- ADDITIONAL INFORMATION ON A-146

DEFINITE
PURPOSE



ENCODER*

Catalog Number	Description	PPR	Magnetic or Optical	Input Voltage	Bore (in)	Connector	List Price	Mult. Sym.	Approx. Wt.(lbs)	NOTES
ECHSD38-D **	HSD38 Dynapar	1024	Optical	5-26V (7272)	5/8	10 Pin	1418	PARTS.I	4	
ECHS25A-A	HS25A Avtron	1024	Optical	5-28V (7272)	5/8	10 Pin	1423	PARTS.I	2	◆
ECHS35A-A	HS35A Avtron	1024	Optical	5-28V (7272)	5/8	10 Pin	1590	PARTS.I	3	◆
ECHS35M-A	HS35M Avtron	1024	Magnetic	5-24V (7272)	5/8	10 Pin	2150	PARTS.I	2	◆

* For correct assembly, please select adequate stub shaft

** Provided with Encoder guard

STUB SHAFTS 5/8" DIAMETER

Catalog Number	Description	Dia (in)	List Price	Mult. Sym.	Approx. Wt. (lbs)
STUBSHAFT-140	Stub shaft for TENV 140T frames	5/8	125	PARTS.I	0.5
STUBSHAFT-180-280	Stub shaft for TENV 180T up to 280T frames	5/8	125	PARTS.I	0.5

FEEDBACK CABLE ASSEMBLY WITH MS CONNECTOR

Catalog Number	Cable Length	List Price	Mult. Sym.	Appr. Wt. (lbs)
ENCCBLMS-10	10 ft	232	PARTS.I	2
ENCCBLMS-20	20 ft	413	PARTS.I	3
ENCCBLMS-30	30 ft	454	PARTS.I	4
ENCCBLMS-50	50 ft	672	PARTS.I	6

MOTOR / STUB SHAFT / ENCODER CONFIGURATION

Motor	Stub Shaft	Encoder Options
00118ET3EVD143TC	STUBSHAFT-140	ECHSD38-D ECHS25A-A ECHS35A-A ECHS35M-A
00158ET3EVD145TC		
00218ET3EVD145TC		
00318ET3EVD182TC	STUBSHAFT-180-280	
00518ET3EVD184TC		
00718ET3EVD213TC		
01018ET3EVD215TC		
01518ET3EVD254TC		

◆ = Product may not be available from stock