DATA SHEET

Premium Efficiency Motor: **PEWWE10-18-215T** **60 Hz**

WorldWide Electric Corporation
1 (800) 808-2131
Worldwideelectric.net

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MOTOR INFORMATION

HP	10
RPM	1800
Phase	3
Frequency	60 Hz
Voltage	230/460 V
Frame Size	215T
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	4
Full Load Speed	1760
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	H
Duty Cycle	S1 / Continuous
Slip	2.22%
NEMA Design	B
Moment of Inertia	0.75 lb.ft.^2
Locked Rotor Time (Hot)	13 seconds
Sound Pressure Level	64 dB(A)
Number of Starts	2 Cold/ 1 Hot
Max Ambient Temperature	40°C
Max Elevation	1000 m.a.s.l (3300 f.a.s.l)
Mounting	F1
Rotation	Bi-Directional
Area of Classification	Class 1 Division 2 Groups A,B,C,D T3C(160°C)
Inverter Rating	10:1 CT / 20:1 VT PWM Type
Standard	NEMA MG-1
Approvals	CSA-US, CE

ADDITIONAL DATA

F2 Suitable	No
Shaft Material	1045 Carbon Steel
Connection Diagram	230 / 460 V - 9 Lead Δ
Approximate Weight	179 lbs.

EFFICIENCY/POWER FACTOR

LOAD	EFF	P. F.
100%	91.7 %	0.84
75%	91.9 %	0.79
50%	91.6 %	0.69

TORQUE

FULL LOAD	LRT	BDT
29.8 lb.ft.	170 %	280 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	24.3A	12.2A
Locked Rotor Amps	162A	81A
No Load Current	10A	5A
Usable at 208V	26.9A	

BEARING INFORMATION

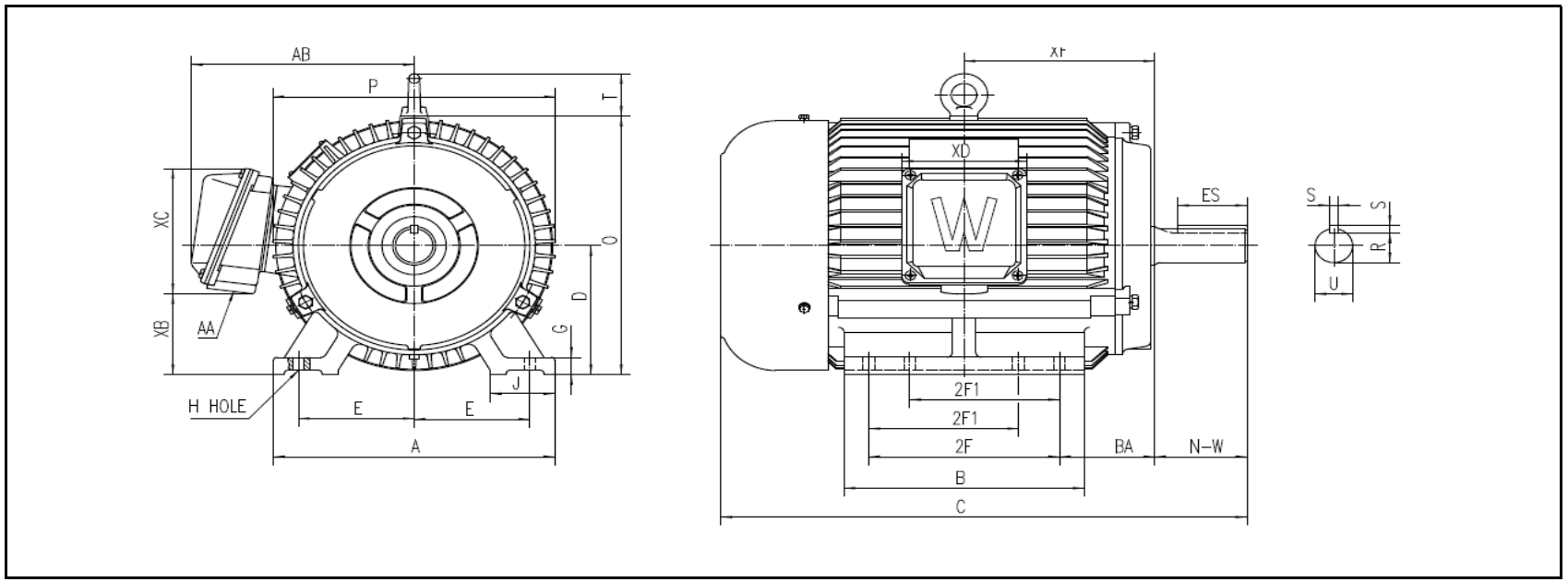
DE Bearing	6308ZZ C3
ODE Bearing	6207ZZ C3
Grease Type	-
DE Regreasing Interval	- Hours
ODE Regreasing Interval	- Hours

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MOTOR DRAWING

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DIMENSION - INCHES

MOUNTING					A	B	C	D	G	J	P	O	T	AB
E	2F1	2F	H	BA										
4.25	5.5	7	0.41	3.5	10.315	8.819	19.319	5.25	0.709	2.362	10.389	10.526	1.732	8.178

SHAFT & KEY				
S	ES	R	N-W	U
0.312	2.41	1.201	3.38	1.375

TERMINAL BOX				
AA	XB	XC	XD	XF
1	3.296	5.098	4.567	7.002

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PERFORMANCE CURVES

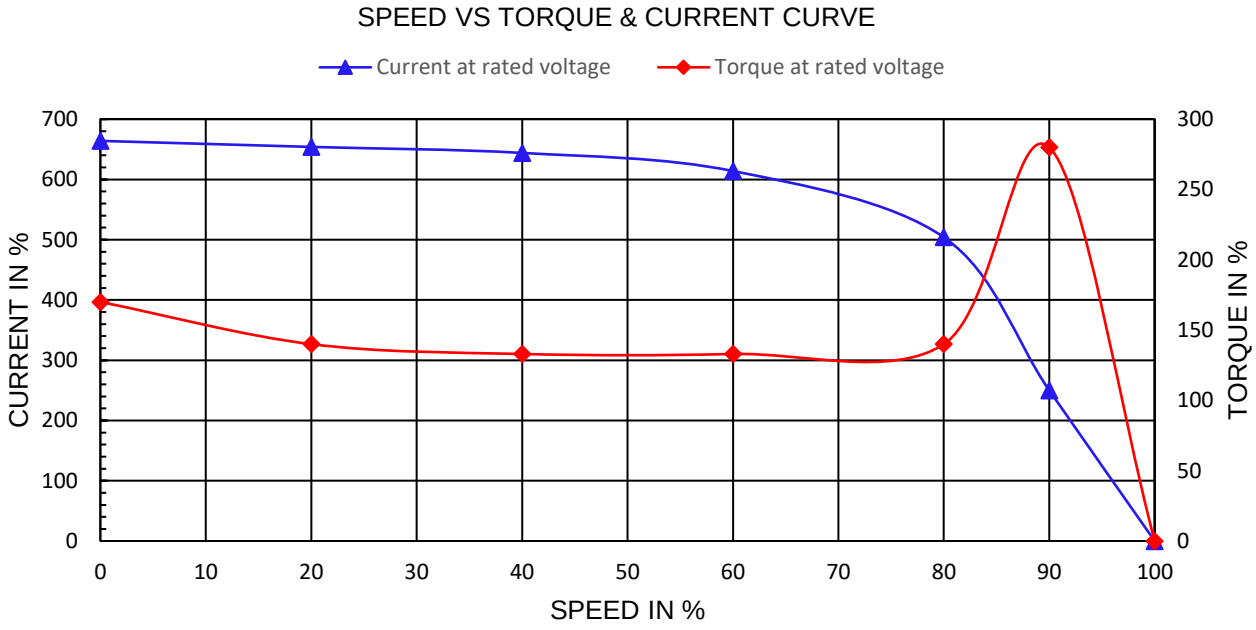
Premium Efficiency Motor: **PEWWE10-18-215T**

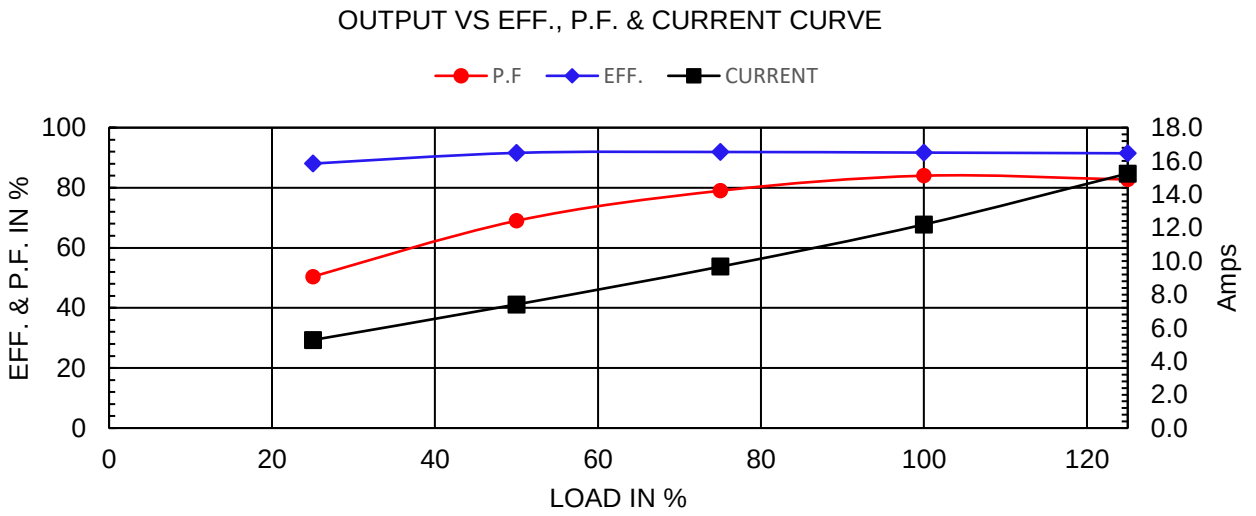
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Motor Type	PEWWE						
Output Rating (HP)	10		FL Speed	1760			
Full Load Torque	29.8	lb.ft	LRT (%FLT)	170	460 volt FLA	12.2	A
Rotor Wk^2	0.75	lb-ft^2	BDT (%FLT)	280	230 volt FLA	24.3	A





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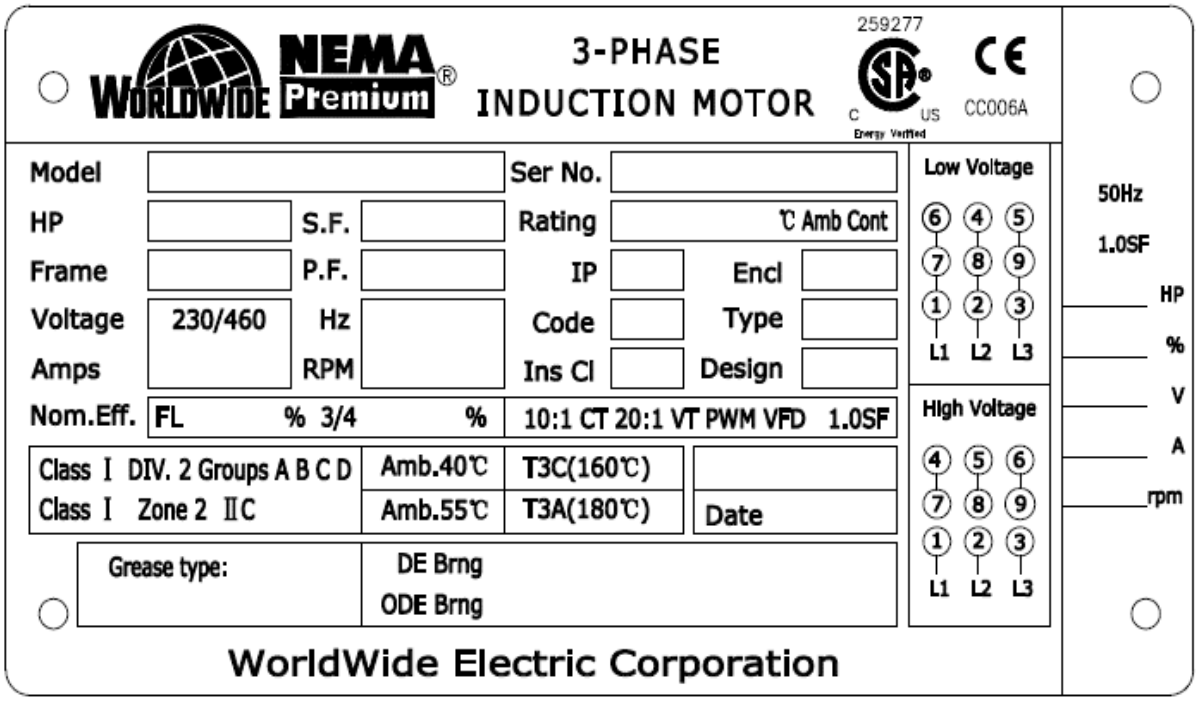
NAMEPLATE / WIRING

Premium Efficiency Motor: **PEWWE10-18-215T**

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SAMPLE NAMEPLATE DATA



Model	PEWWE10-18-215T						
HP	10	S.F.	1.25	IP	IP55	Encl	TEFC
Frame	215T	P.F.	0.84	Code	H	Type	
Voltage	230/460 V	Hz	60 Hz	Ins Cl	F	Ambient	40°C
Amps	24.3/12.2	RPM	1760	Design	B	DE Brng	6308ZZ C3
Nom.Eff.	FL 91.7%	3/4	91.9%			ODE Brng	6207ZZ C3
Class 1 Division 2 Groups A,B,C,D T3C(160℃)						Grease type:	-

50Hz				
10 HP	200/400 V	28.9/14 A	1455 rpm	88.7%

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