DATA SHEET

Premium Efficiency Motor: **PEWWE1.5-12-182T** **60 Hz**

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

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MOTOR INFORMATION

HP	1.5
RPM	1200
Phase	3
Frequency	60 Hz
Voltage	230/460 V
Frame Size	182T
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	6
Full Load Speed	1180
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	M
Duty Cycle	S1 / Continuous
Slip	1.67%
NEMA Design	B
Moment of Inertia	0.334 lb.ft.^2
Locked Rotor Time (Hot)	16 seconds
Sound Pressure Level	62 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	Yes
Shaft Material	1045 Carbon Steel
Connection Diagram	230 / 460 V - 9 Lead Y
Approximate Weight	84 lbs.

EFFICIENCY/POWER FACTOR

LOAD	EFF	P. F.
100%	87.5 %	0.68
75%	86.8 %	0.60
50%	84.1 %	0.46

TORQUE

FULL LOAD	LRT	BDT
6.67 lb.ft.	210 %	350 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	4.72A	2.36A
Locked Rotor Amps	40A	20A
No Load Current	3.2A	1.6A
Usable at 208V	5.22A	

BEARING INFORMATION

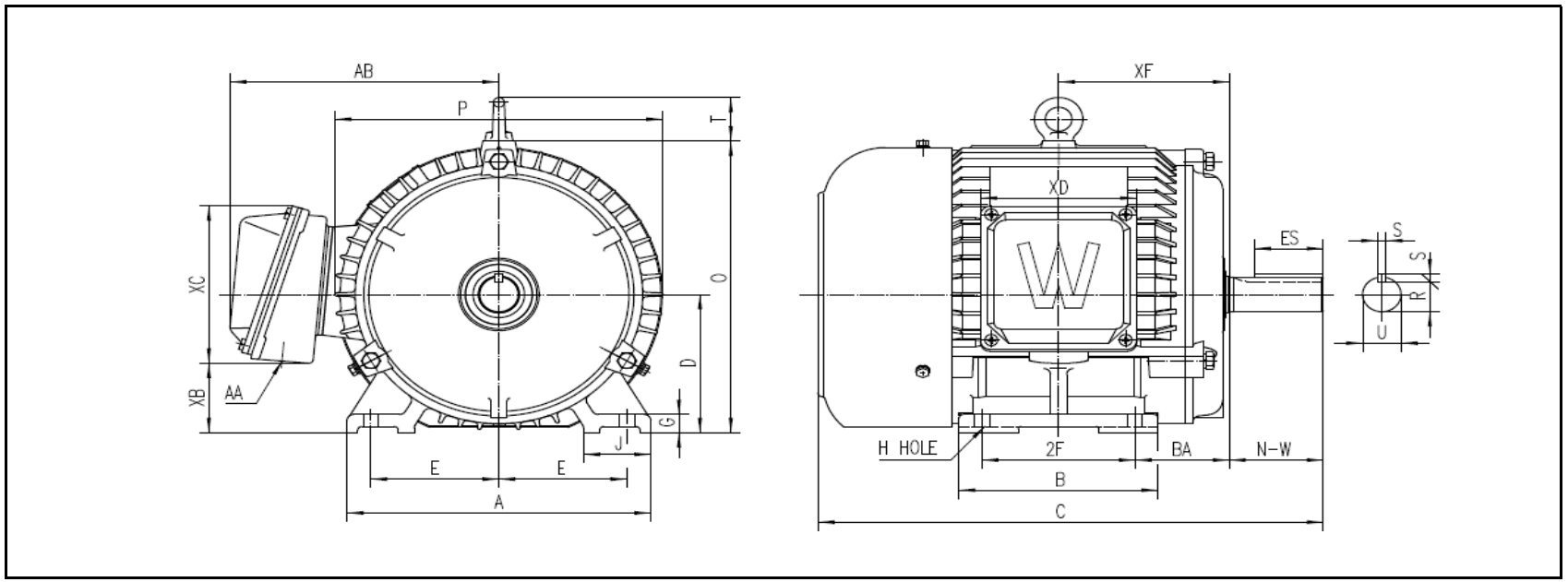
DE Bearing	6206ZZ C3
ODE Bearing	6206ZZ C3
Grease Type	-
DE Regreasing Interval	- Hours
ODE Regreasing Interval	- Hours

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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										
3.75	-	4.5	0.41	2.75	8.898	5.827	14.803	4.5	0.591	1.969	9.606	9.5	1.417	7.876

SHAFT & KEY				
S	ES	R	N-W	U
0.25	1.78	0.986	2.75	1.125

TERMINAL BOX				
AA	XB	XC	XD	XF
1	2.26	5.124	4.567	4.997

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PERFORMANCE CURVES

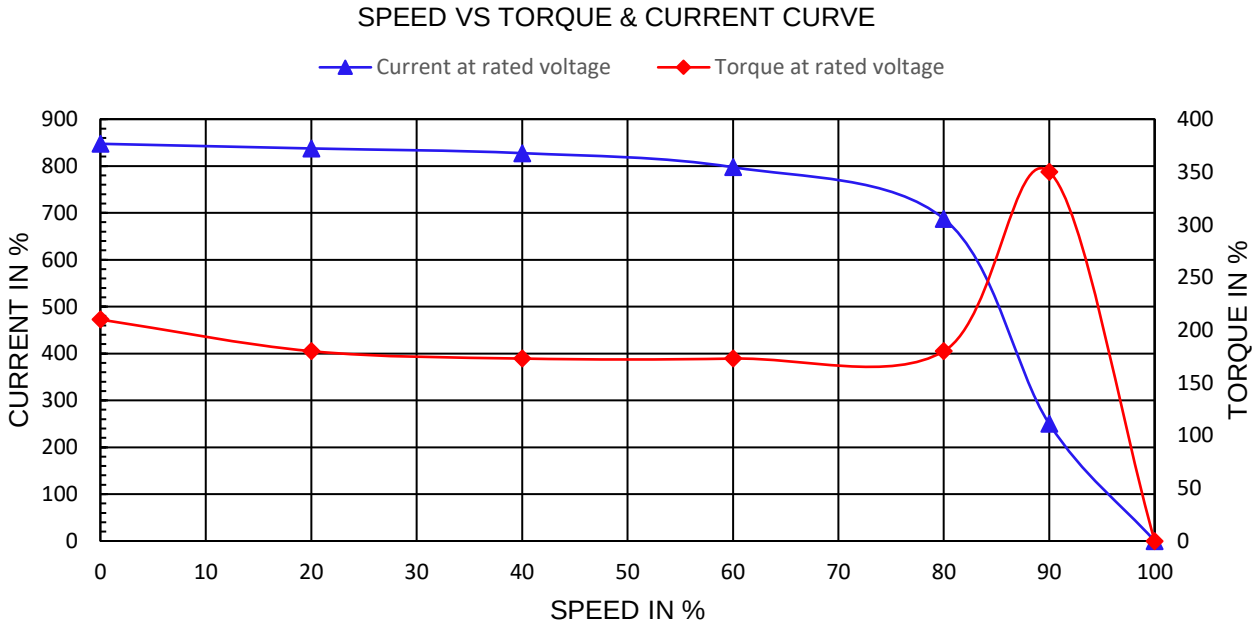
Premium Efficiency Motor: **PEWWE1.5-12-182T**

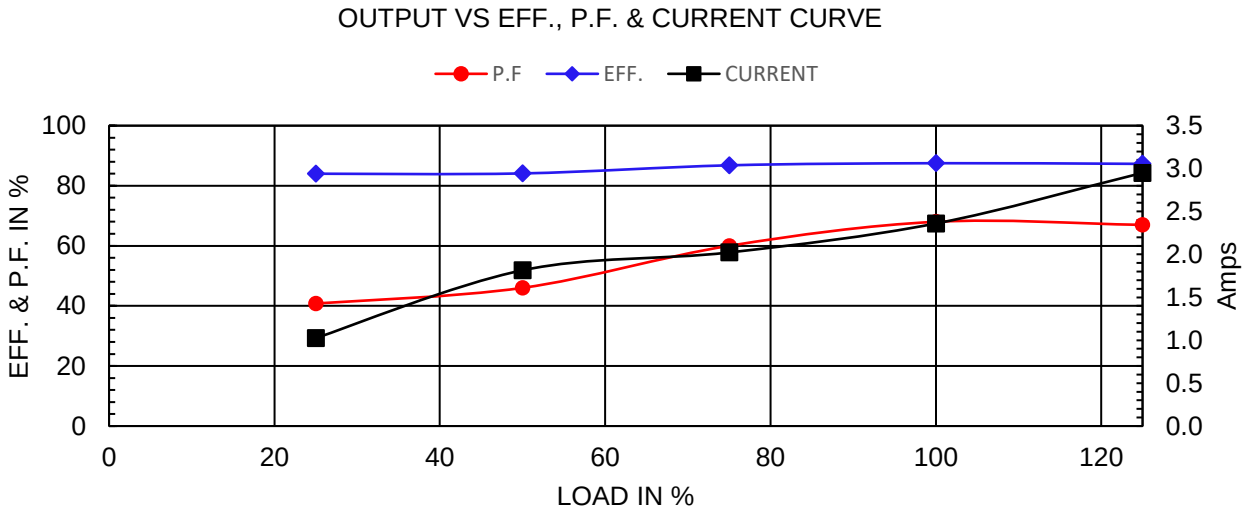
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Motor Type	PEWWE						
Output Rating (HP)	1.5		FL Speed	1180			
Full Load Torque	6.67	lb.ft	LRT (%FLT)	210	460 volt FLA	2.36	A
Rotor Wk^2	0.334	lb-ft^2	BDT (%FLT)	350	230 volt FLA	4.72	A





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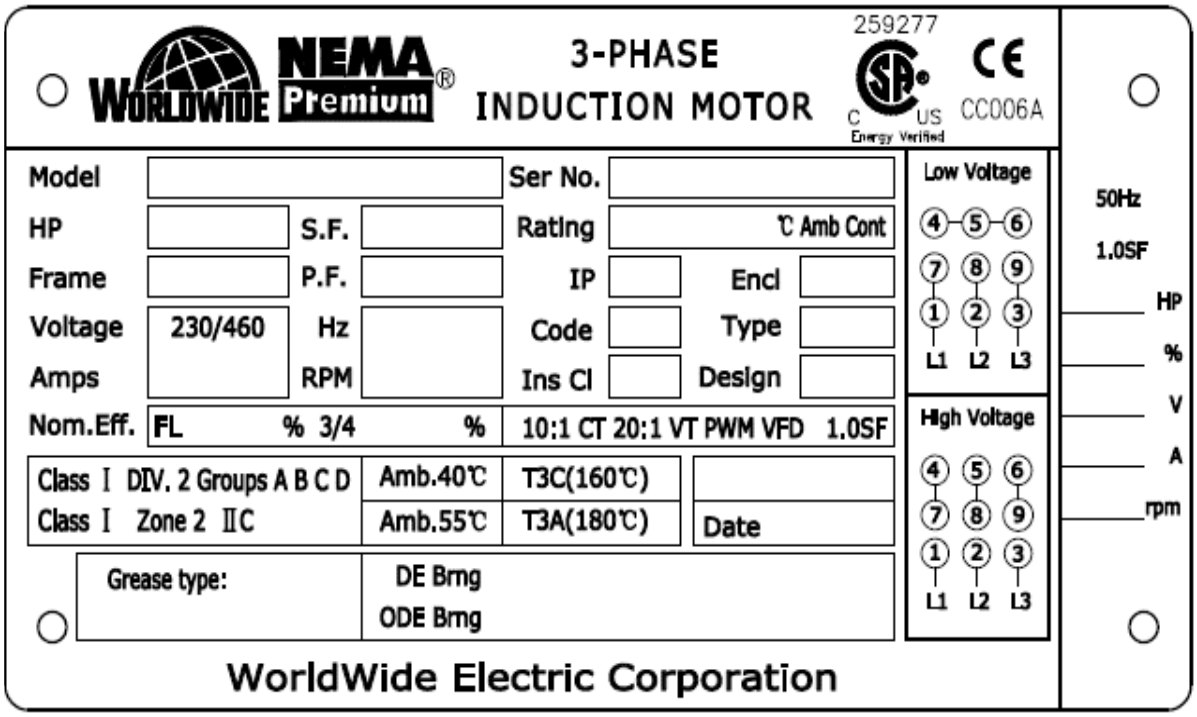
NAMEPLATE / WIRING

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SAMPLE NAMEPLATE DATA



Model	PEWWE1.5-12-182T						
HP	1.5	S.F.	1.25	IP	IP55	Encl	TEFC
Frame	182T	P.F.	0.68	Code	M	Type	
Voltage	230/460 V	Hz	60 Hz	Ins Cl	F	Ambient	40°C
Amps	4.72/2.36	RPM	1180	Design	B	DE Brng	6206ZZ C3
Nom.Eff.	FL 87.5%	3/4	86.8%			ODE Brng	6206ZZ C3
Class 1 Division 2 Groups A,B,C,D T3C(160℃)						Grease type:	-

50Hz				
1.5 HP	200/400 V	6.08/3.0 A	970 rpm	78.1%

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