DATA SHEET

Premium Efficiency Motor: **PEWWE1.5-18-145TC** **60 Hz**

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

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MOTOR INFORMATION

HP	1.5
RPM	1800
Phase	3
Frequency	60 Hz
Voltage	230/460 V
Frame Size	145TC
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	4
Full Load Speed	1755
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	M
Duty Cycle	S1 / Continuous
Slip	2.50%
NEMA Design	B
Moment of Inertia	0.0908 lb.ft.^2
Locked Rotor Time (Hot)	14 seconds
Sound Pressure Level	60 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	52.6 lbs.

EFFICIENCY/POWER FACTOR

LOAD	EFF	P. F.
100%	86.5 %	0.73
75%	86.2 %	0.63
50%	83.2 %	0.49

TORQUE

FULL LOAD	LRT	BDT
4.49 lb.ft.	280 %	390 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	4.45A	2.22A
Locked Rotor Amps	40A	20A
No Load Current	2.98A	1.49A
Usable at 208V	4.92A	

BEARING INFORMATION

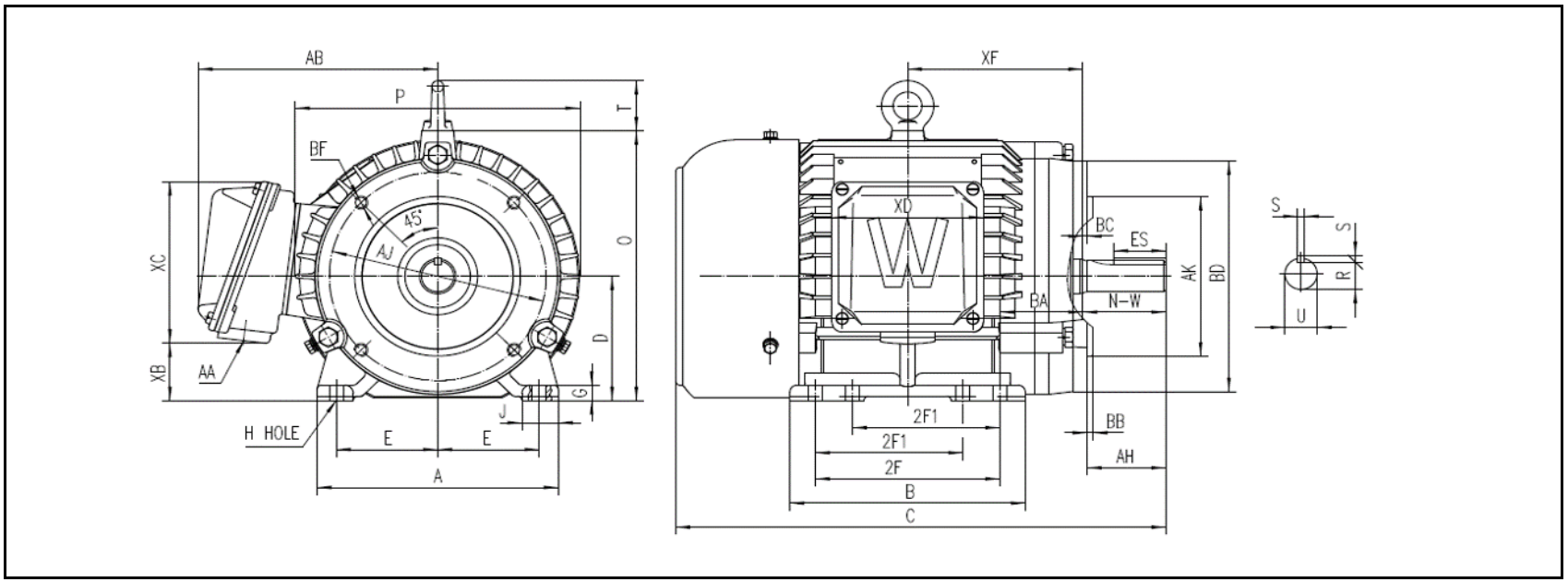
DE Bearing	6205ZZ C3
ODE Bearing	6205ZZ C3
Grease Type	--
DE Regreasing Interval	- Hours
ODE Regreasing Interval	- Hours

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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										
2.75	4	5	0.34	2.25	6.535	6.378	13.276	3.5	0.433	0.984	7.717	7.6	1.417	6.491

SHAFT & KEY					
S	ES	R	N-W	AH	U
0.188	1.41	0.771	2.25	2.12	0.875

TERMINAL BOX				
AA	XB	XC	XD	XF
3/4	1.61	4.55	4.094	4.748

FLANGE					
AJ	AK	BB	BD	BF	BC
5.875	4.5	0.16	6.496	3/8-16	0.12

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PERFORMANCE CURVES

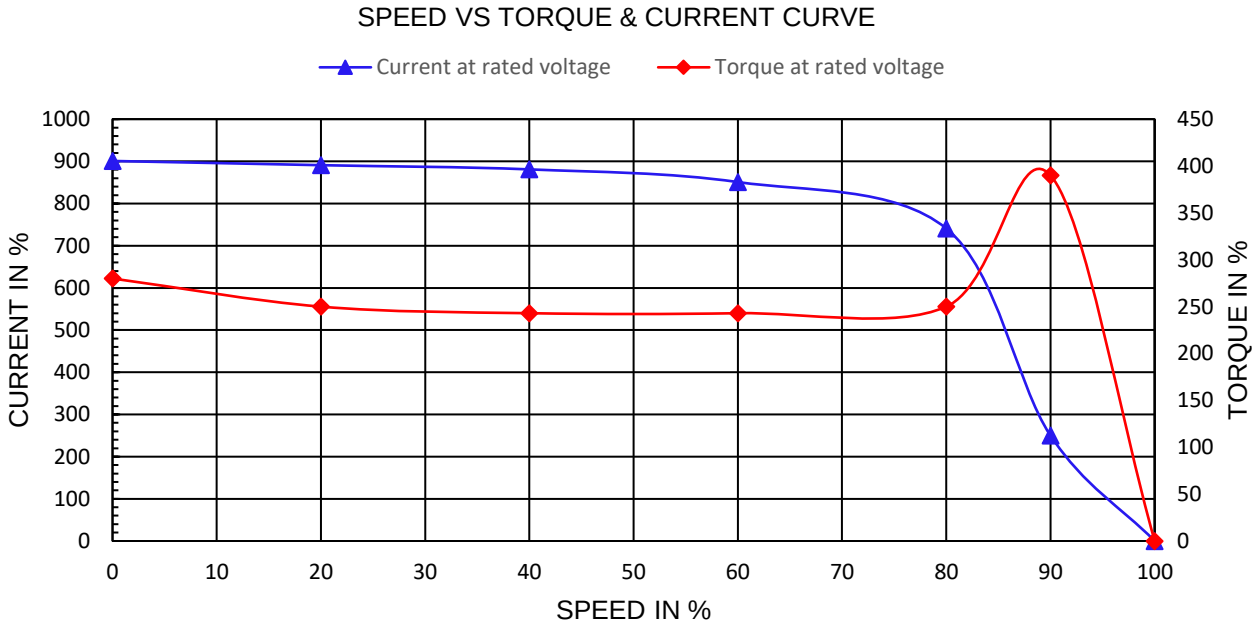
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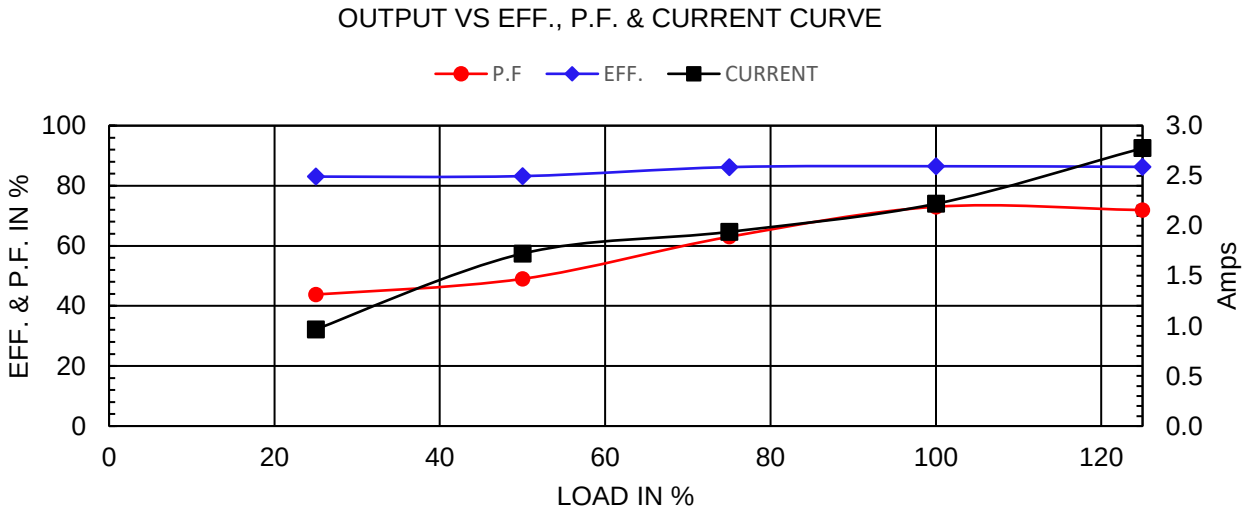
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Motor Type	PEWWE						
Output Rating (HP)	1.5		FL Speed	1755			
Full Load Torque	4.49	lb.ft	LRT (%FLT)	280	460 volt FLA	2.22	
Rotor Wk^2	0.0908	lb-ft^2	BDT (%FLT)	390	230 volt FLA	4.45	





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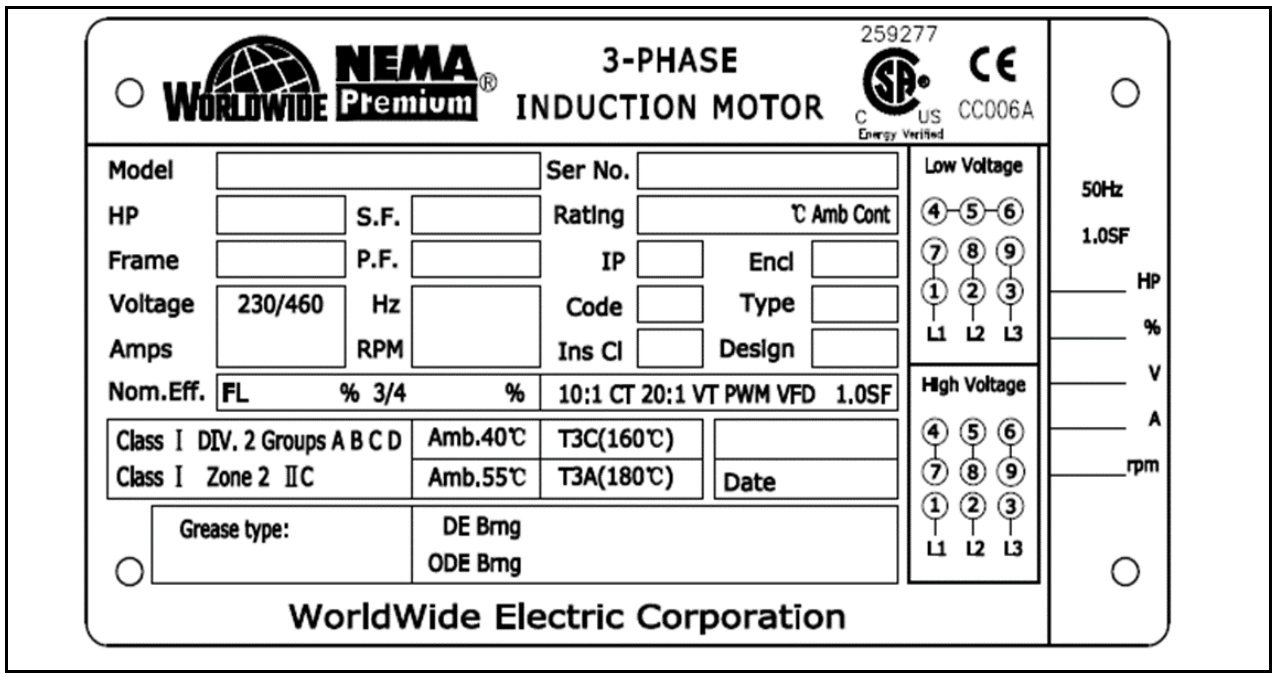
NAMEPLATE / WIRING

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SAMPLE NAMEPLATE DATA



Model	PEWWE1.5-18-145TC						
HP	1.5	S.F.	1.25	IP	IP55	Encl	TEFC
Frame	145TC	P.F.	0.73	Code	M	Type	
Voltage	230/460 V	Hz	60 Hz	Ins Cl	F	Ambient	40°C
Amps	4.45/2.22	RPM	1755	Design	B	DE Brng	6205ZZ C3
Nom.Eff.	FL 86.5%	3/4	86.2%			ODE Brng	6205ZZ C3
Class 1 Division 2 Groups A,B,C,D T3C(160°C)						Grease type:	--

50Hz

1.5 HP	200/400 V	5.44/2.7 A	1450 rpm
		Eff. 81.4%	

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