DATA SHEET

Premium Efficiency Motor: **PEWWE20-12-286T** **60 Hz**

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

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MOTOR INFORMATION

HP	20
RPM	1200
Phase	3
Frequency	60 Hz
Voltage	230/460 V
Frame Size	286T
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	6
Full Load Speed	1185
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	G
Duty Cycle	S1 / Continuous
Slip	1.25%
NEMA Design	B
Moment of Inertia	4.41 lb.ft.^2
Locked Rotor Time (Hot)	12 seconds
Sound Pressure Level	70 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 - 12 Lead Δ
Approximate Weight	393 lbs.

EFFICIENCY/POWER FACTOR

LOAD	EFF	P. F.
100%	91.7 %	0.8
75%	92.1 %	0.77
50%	91.6 %	0.66

TORQUE

FULL LOAD	LRT	BDT
88.6 lb.ft.	140 %	220 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	51.1A	25.5A
Locked Rotor Amps	290A	145A
No Load Current	22A	11A
Usable at 208V	56.5A	

BEARING INFORMATION

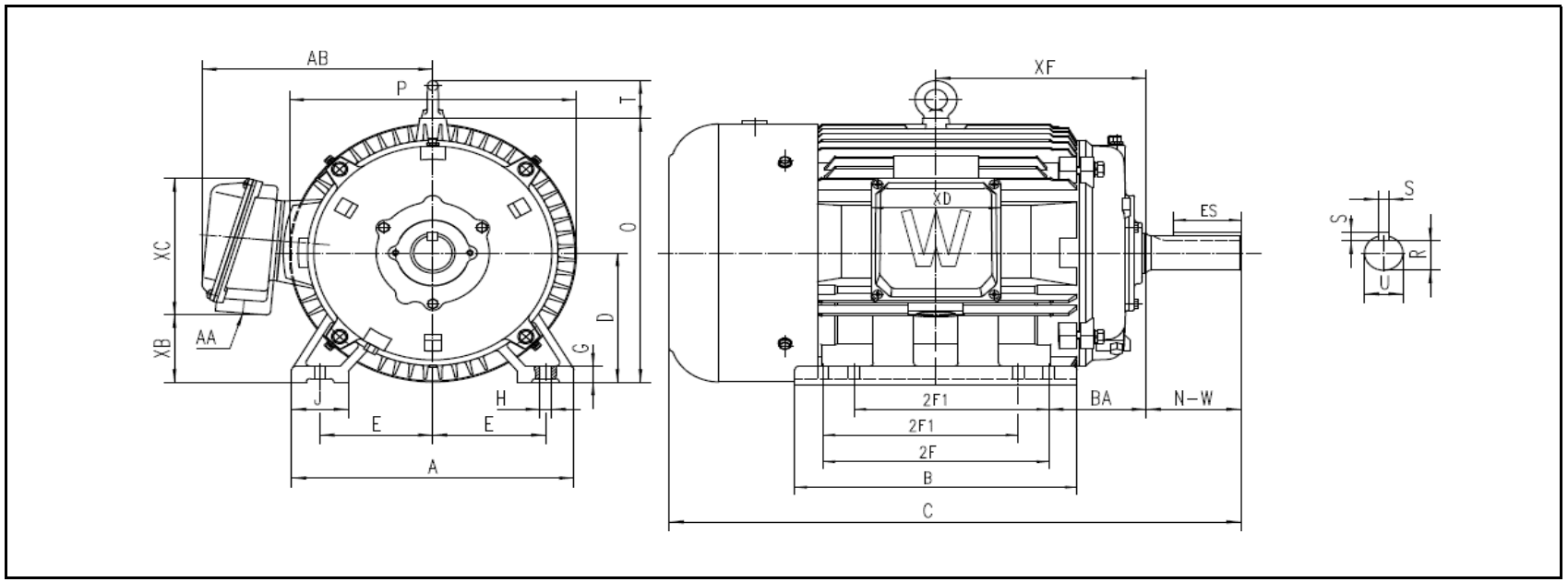
DE Bearing	6311 C3
ODE Bearing	6309 C3
Grease Type	SKF LGHP 2
DE Regreasing Interval	6000 Hours
ODE Regreasing Interval	7500 Hours

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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										
5.5	9.5	11	0.53	4.75	13.74	13.74	27.858	7	0.866	2.756	13.976	14.283	2.047	11.239

SHAFT & KEY				
S	ES	R	N-W	U
0.5	3.28	1.591	4.62	1.875

TERMINAL BOX				
AA	XB	XC	XD	XF
1.5	3.645	7.381	6.299	10.248

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PERFORMANCE CURVES

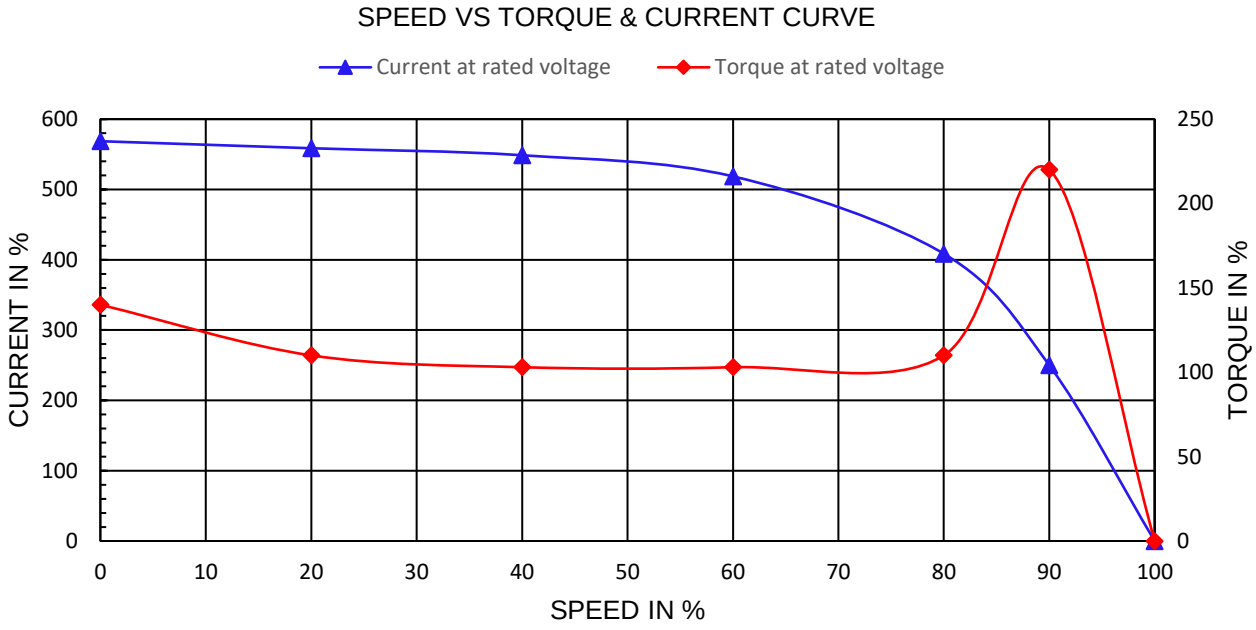
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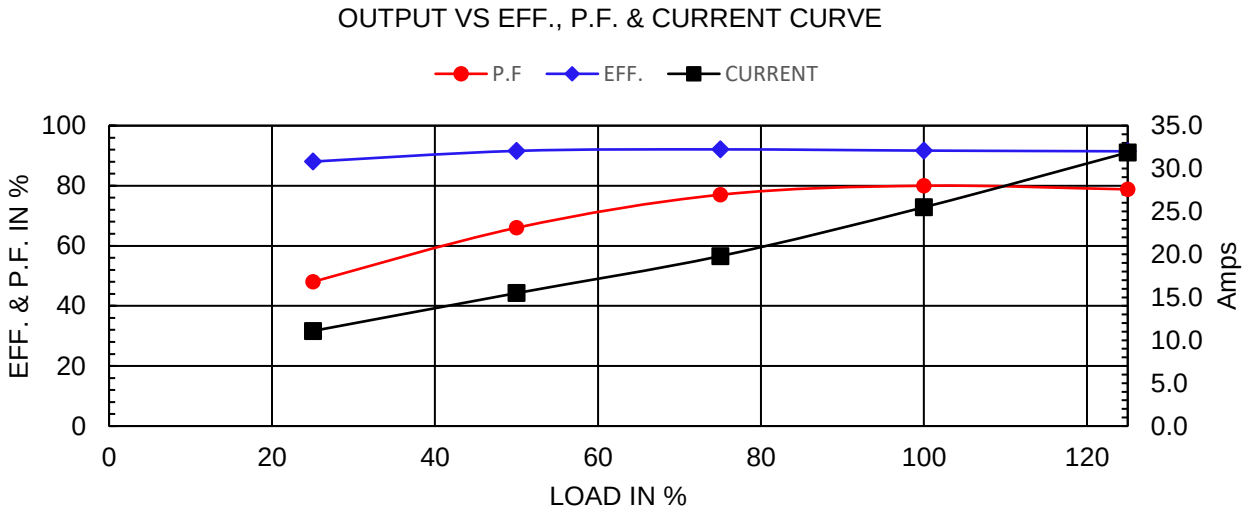
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Motor Type	PEWWE						
Output Rating (HP)	20		FL Speed	1185			
Full Load Torque	88.6	lb.ft	LRT (%FLT)	140	460 volt FLA	25.5	A
Rotor Wk^2	4.41	lb-ft^2	BDT (%FLT)	220	230 volt FLA	51.1	A





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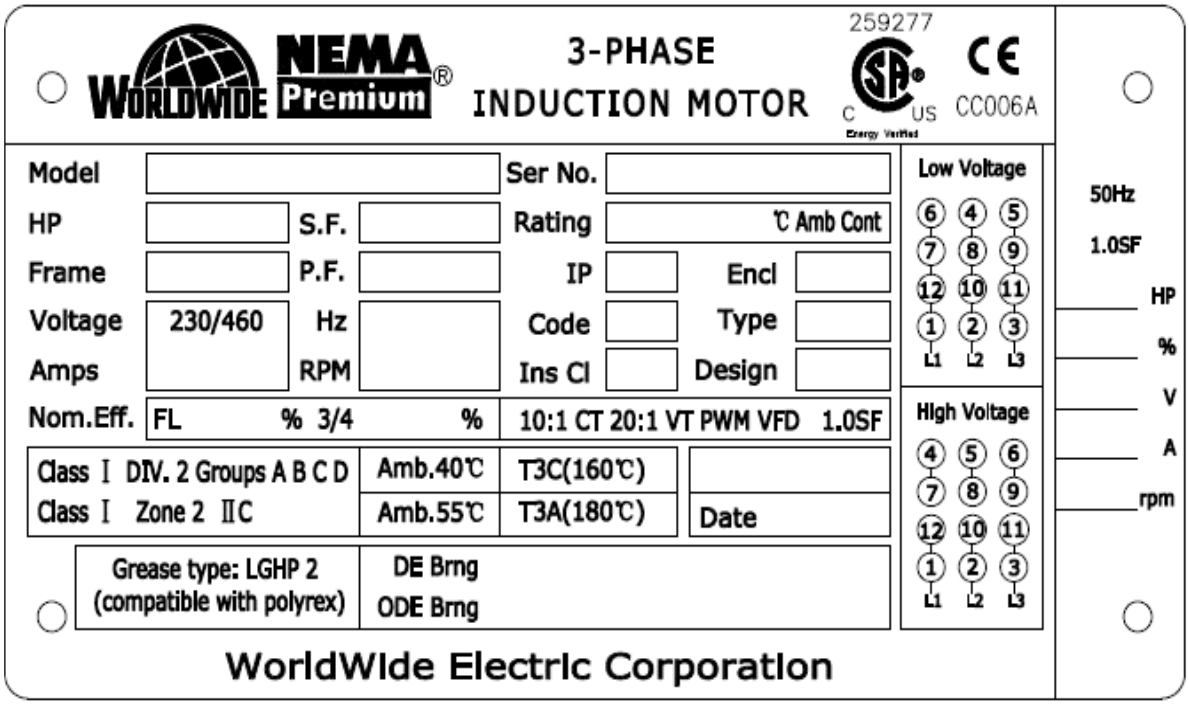
NAMEPLATE / WIRING

Premium Efficiency Motor: **PEWWE20-12-286T**

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SAMPLE NAMEPLATE DATA



Model	PEWWE20-12-286T						
HP	20	S.F.	1.25	IP	IP55	Encl	TEFC
Frame	286T	P.F.	0.8	Code	G	Type	
Voltage	230/460 V	Hz	60 Hz	Ins Cl	F	Ambient	40°C
Amps	51.1/25.5	RPM	1185	Design	B	DE Brng	6311 C3
Nom.Eff.	FL 91.7%	3/4	92.1%			ODE Brng	6309 C3
Class 1 Division 2 Groups A,B,C,D T3C(160℃)						Grease type:	SKF LGHP 2

50Hz				
20 HP	200/400 V	60/30 A	980 rpm	89.7%

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