DATA SHEET

Premium Efficiency Motor: **PEWWE30-12-326T** **60 Hz**

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

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MOTOR INFORMATION

HP	30
RPM	1200
Phase	3
Frequency	60 Hz
Voltage	230/460 V
Frame Size	326T
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	8.45 lb.ft.^2
Locked Rotor Time (Hot)	14 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	534 lbs.

EFFICIENCY/POWER FACTOR

LOAD	EFF	P. F.
100%	93.0 %	0.78
75%	93.3 %	0.75
50%	92.9 %	0.64

TORQUE

FULL LOAD	LRT	BDT
133 lb.ft.	150 %	210 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	77.4A	38.7A
Locked Rotor Amps	435A	217.5A
No Load Current	34A	17A
Usable at 208V	85.6A	

BEARING INFORMATION

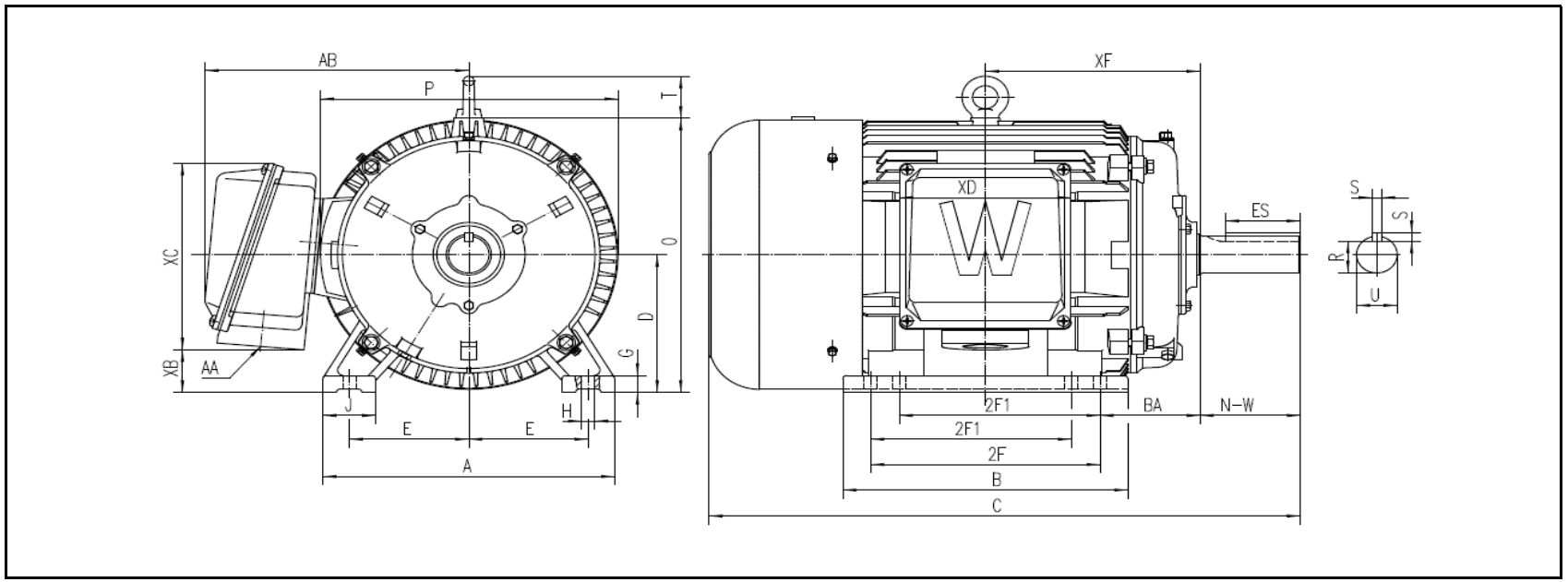
DE Bearing	6312 C3
ODE Bearing	6311 C3
Grease Type	SKF LGHP 2
DE Regreasing Interval	6000 Hours
ODE Regreasing Interval	6000 Hours

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MOTOR DRAWING

Premium Efficiency Motor: **PEWWE30-12-326T**

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DIMENSION - INCHES

MOUNTING					A	B	C	D	G	J	P	O	T	AB
E	2F1	2F	H	BA										
6.25	10.5	12	0.66	5.25	15.276	14.921	30.967	8	0.984	2.756	15.571	15.913	2.441	13.813

SHAFT & KEY				
S	ES	R	N-W	U
0.5	3.91	1.845	5.25	2.125

TERMINAL BOX				
AA	XB	XC	XD	XF
2	2.471	10.826	8.976	11.248

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PERFORMANCE CURVES

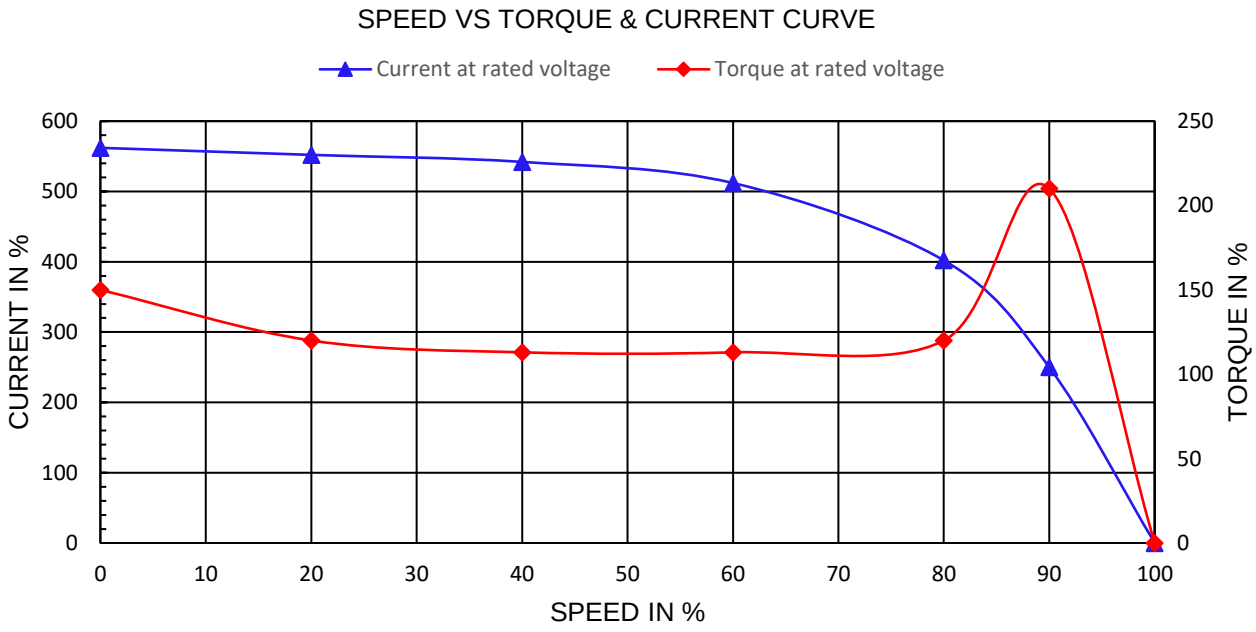
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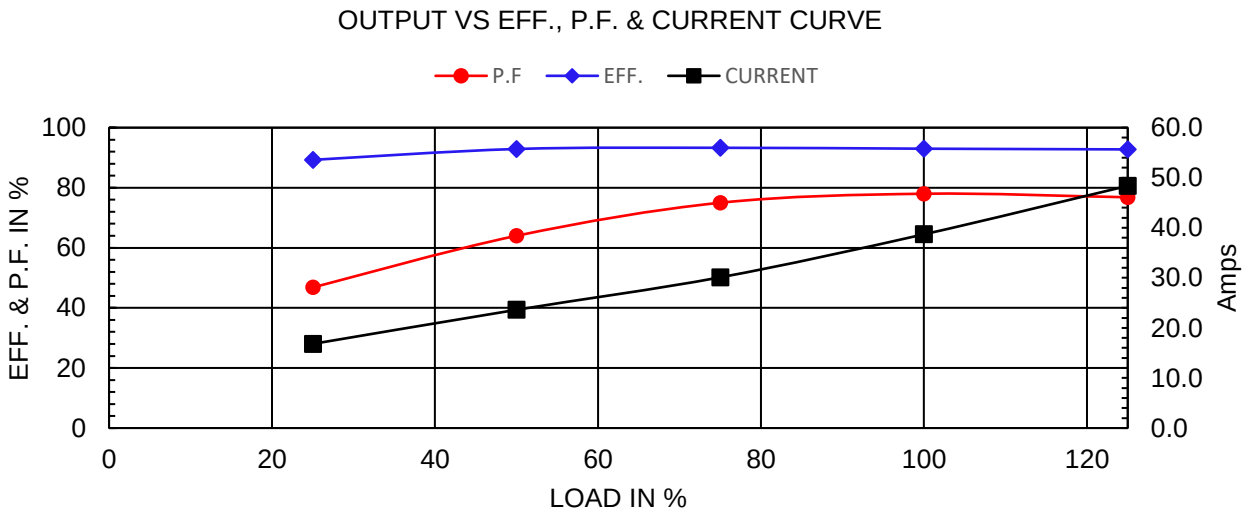
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Motor Type	PEWWE						
Output Rating (HP)	30		FL Speed	1185			
Full Load Torque	133	lb.ft	LRT (%FLT)	150	460 volt FLA	38.7	A
Rotor Wk^2	8.45	lb-ft^2	BDT (%FLT)	210	230 volt FLA	77.4	A





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NAMEPLATE / WIRING

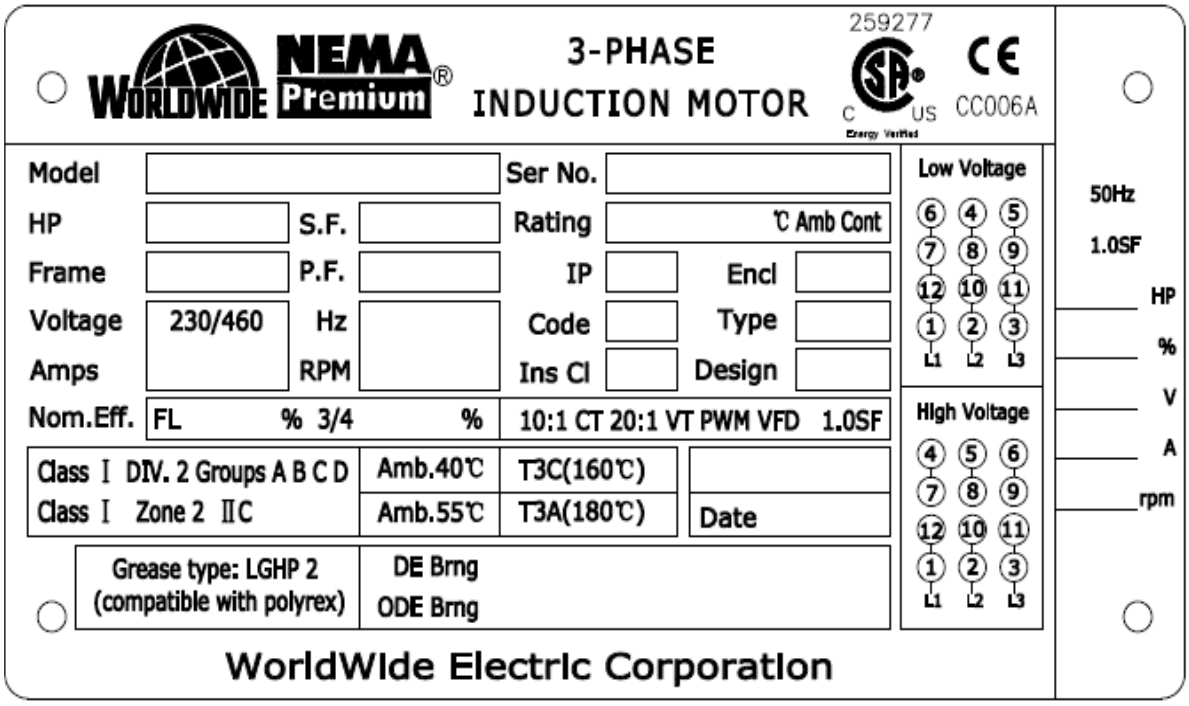
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SAMPLE NAMEPLATE DATA



Model	PEWWE30-12-326T						
HP	30	S.F.	1.25	IP	IP55	Encl	TEFC
Frame	326T	P.F.	0.78	Code	G	Type	
Voltage	230/460 V	Hz	60 Hz	Ins Cl	F	Ambient	40°C
Amps	77.4/38.7	RPM	1185	Design	B	DE Brng	6312 C3
Nom.Eff.	FL	93.0%	3/4	93.3%		ODE Brng	6311 C3
Class 1 Division 2 Groups A,B,C,D T3C(160℃)						Grease type:	SKF LGHP 2

50Hz				
30 HP	200/400 V	91.1/45 A	985 rpm	90.9%

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