DATA SHEET

Premium Efficiency Motor: **PEWWE40-18-324T** **60 Hz**

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

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MOTOR INFORMATION

HP	40
RPM	1800
Phase	3
Frequency	60Hz
Voltage	230/460 V
Frame Size	324T
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	4
Full Load Speed	1775
Insulation Class	F
Temp Rise	80˚C
NEMA Code Letter	G
Duty Cycle	S1 / Continuous
Slip	1.40%
NEMA Design	B
Moment of Inertia	5.74 lb.ft.^2
Locked Rotor Time (Hot)	14 seconds
Sound Pressure Level	71 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	513 lbs.

EFFICIENCY/POWER FACTOR

LOAD	EFF	P. F.
100%	94.1 %	0.85
75%	94.6 %	0.82
50%	94.4 %	0.72

TORQUE

FULL LOAD	LRT	BDT
118 lb.ft.	160 %	250 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	93.7A	46.8A
Locked Rotor Amps	580A	290A
No Load Current	36.2A	18.1A
Usable at 208V	104A	

BEARING INFORMATION

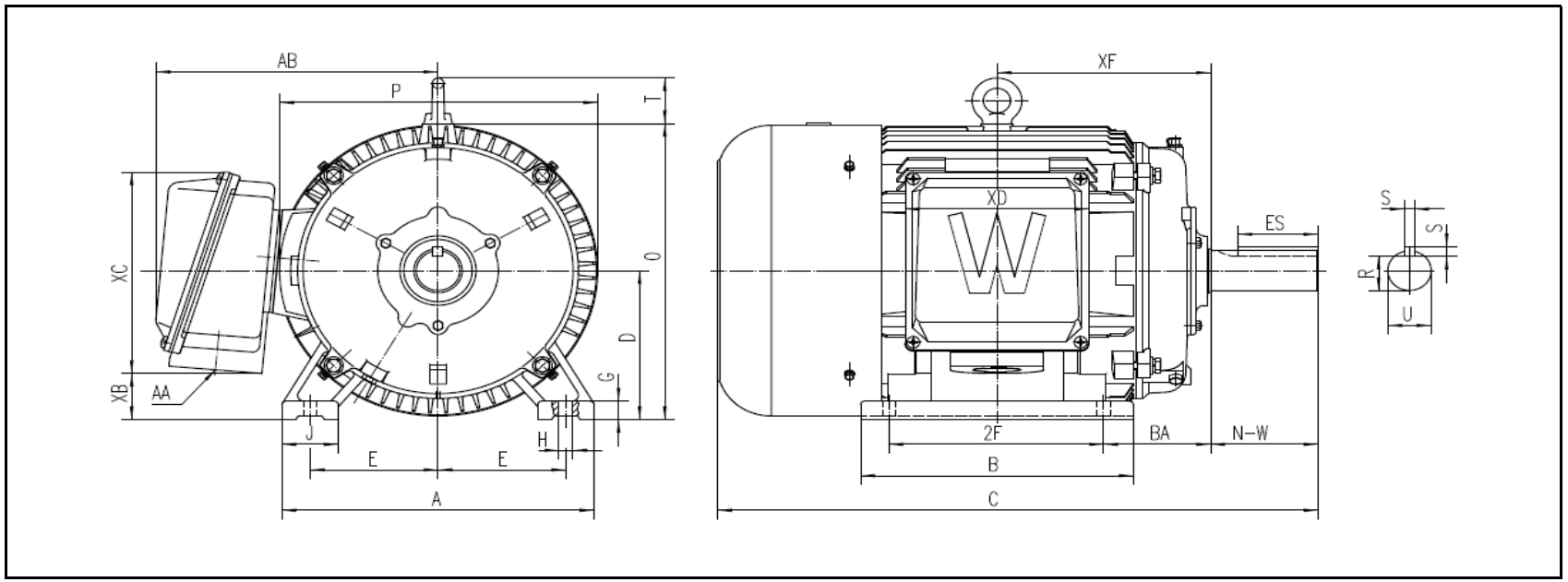
DE Bearing	6312 C3
ODE Bearing	6311 C3
Grease Type	SKF LGHP 2
DE Regreasing Interval	4000 Hours
ODE Regreasing Interval	4000 Hours

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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										
6.25	--	10.5	0.66	5.25	15.276	13.346	29.392	8	0.984	2.756	15.751	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	10.461

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PERFORMANCE CURVES

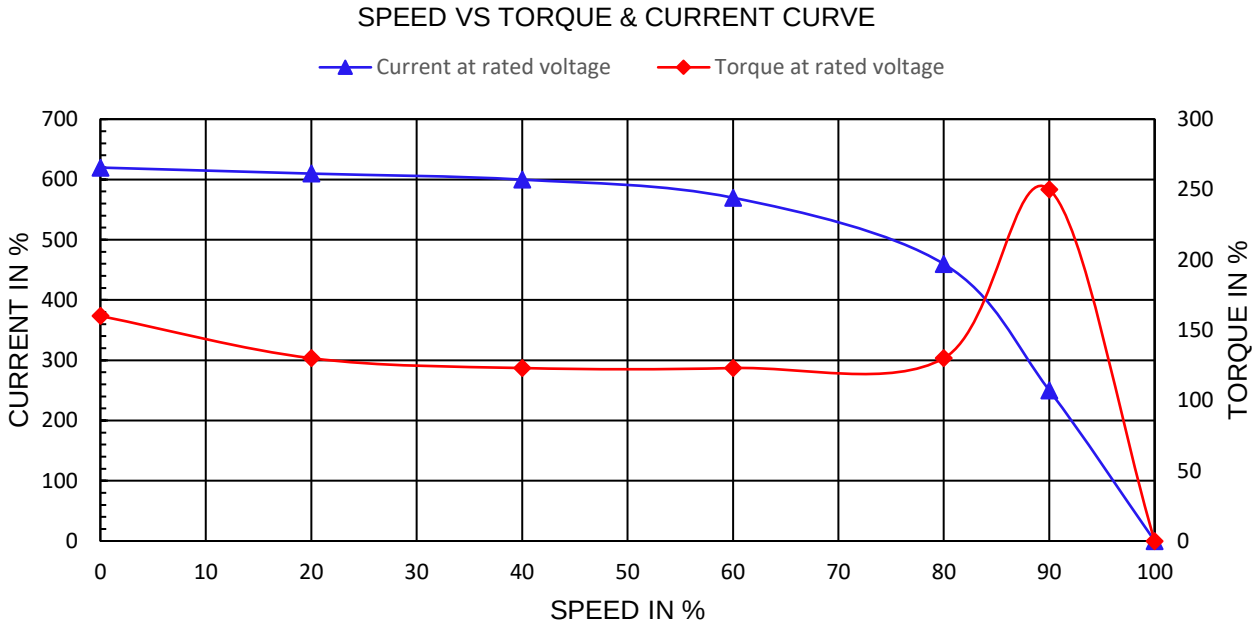
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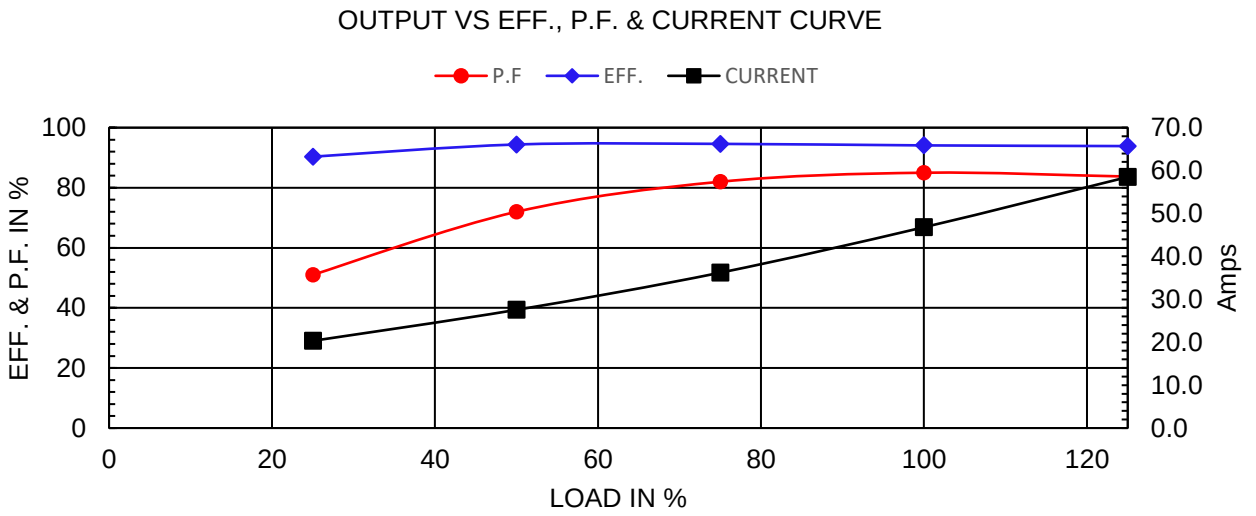
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Motor Type	PEWWE						
Output Rating (HP)	40		FL Speed	1775			
Full Load Torque	118	lb.ft	LRT (%FLT)	160	460 volt FLA	46.8	A
Rotor Wk^2	5.74	lb-ft^2	BDT (%FLT)	250	230 volt FLA	93.7	A





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NAMEPLATE / WIRING

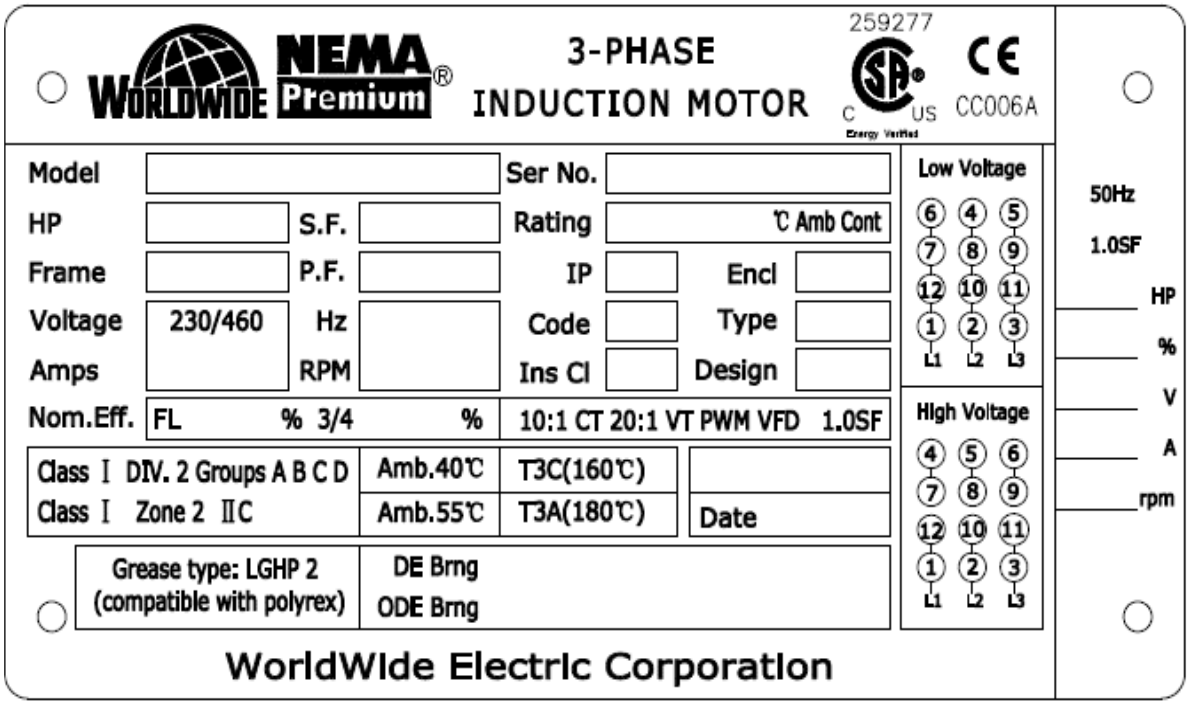
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SAMPLE NAMEPLATE DATA



Model	PEWWE40-18-324T						
HP	40	S.F.	1.25	IP	IP55	Encl	TEFC
Frame	324T	P.F.	0.85	Code	G	Type	
Voltage	230/460 V	Hz	60Hz	Ins Cl	F	Ambient	40°C
Amps	93.7/46.8	RPM	1775	Design	B	DE Brng	6312 C3
Nom.Eff.	FL	94.1%	3/4	94.6%		ODE Brng	6311 C3
Class 1 Division 2 Groups A,B,C,D T3C(160℃)						Grease type:	SKF LGHP 2

50Hz				
40 HP	200/400 V	110/54. A	1475 rpm	92.3%

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