DATA SHEET

Premium Efficiency Motor: **PEWWE40-12-364T** **60 Hz**

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

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Customer:

MOTOR INFORMATION

HP	40
RPM	1200
Phase	3
Frequency	60 Hz
Voltage	230/460 V
Frame Size	364T
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	21 lb.ft.^2
Locked Rotor Time (Hot)	13 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 T3A(180°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	780 lbs.

EFFICIENCY/POWER FACTOR

LOAD	EFF	P. F.
100%	94.1 %	0.81
75%	94.2 %	0.75
50%	93.2 %	0.64

TORQUE

FULL LOAD	LRT	BDT
177 lb.ft.	215 %	260 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	98A	49.1A
Locked Rotor Amps	580A	290A
No Load Current	45A	22.5A
Usable at 208V	109A	

BEARING INFORMATION

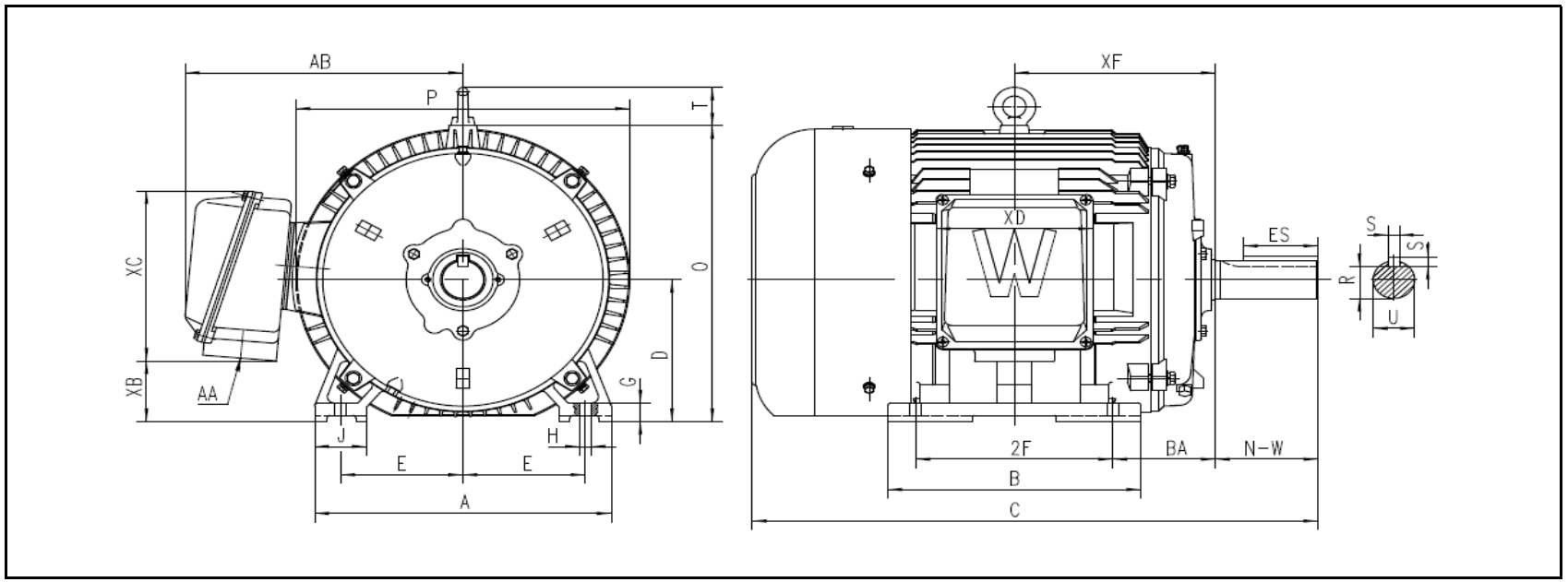
DE Bearing	6313 C3
ODE Bearing	6312 C3
Grease Type	SKF LGHP 2
DE Regreasing Interval	4500 Hours
ODE Regreasing Interval	6000 Hours

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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										
7	--	11.25	0.66	5.88	16.969	14.488	32.376	9	1.181	2.953	19.091	18.8	2.441	15.899

SHAFT & KEY				
S	ES	R	N-W	U
0.625	4.28	2.021	5.88	2.375

TERMINAL BOX				
AA	XB	XC	XD	XF
3	3.849	10.783	8.976	11.496

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PERFORMANCE CURVES

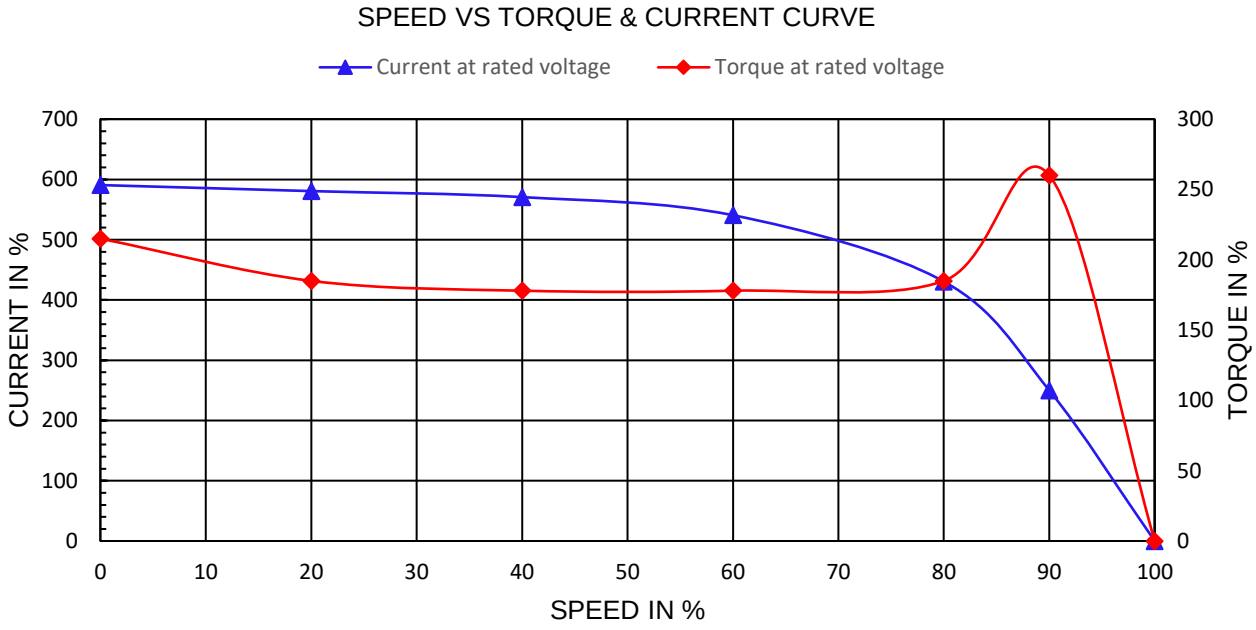
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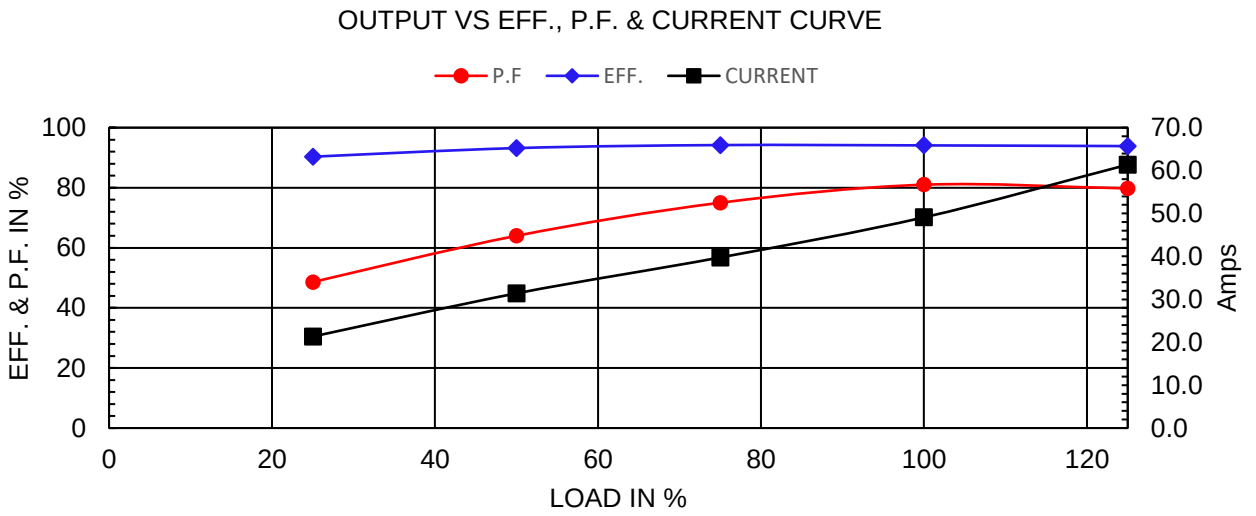
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Motor Type	PEWWE						
Output Rating (HP)	40		FL Speed	1185			
Full Load Torque	177	lb.ft	LRT (%FLT)	215	460 volt FLA	49.1	A
Rotor Wk^2	21	lb-ft^2	BDT (%FLT)	260	230 volt FLA	98	A





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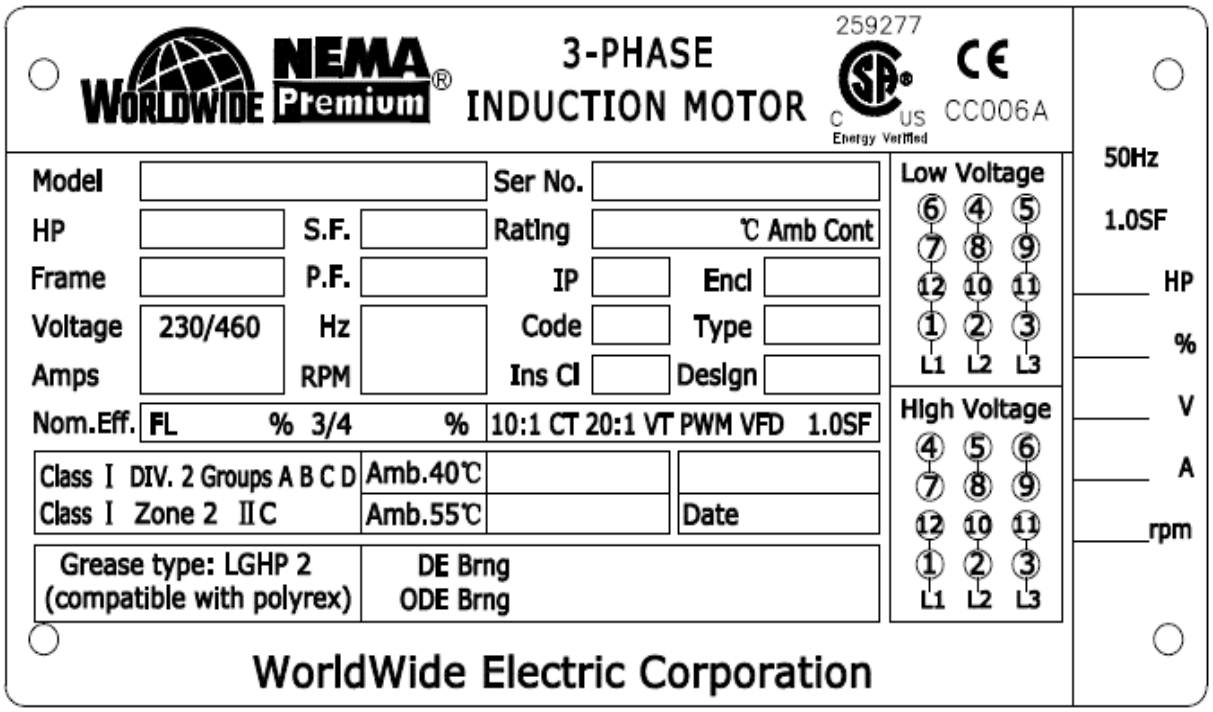
NAMEPLATE / WIRING

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SAMPLE NAMEPLATE DATA



Model	PEWWE40-12-364T						
HP	40	S.F.	1.25	IP	IP55	Encl	TEFC
Frame	364T	P.F.	0.81	Code	G	Type	
Voltage	230/460 V	Hz	60 Hz	Ins Cl	F	Ambient	40°C
Amps	98/49.1	RPM	1185	Design	B	DE Brng	6313 C3
Nom.Eff.	FL 94.1%		3/4 94.2%			ODE Brng	6312 C3
Class 1 Division 2 Groups A,B,C,D T3A(180°C)						Grease type:	SKF LGHP 2

50Hz				
40 HP	200/400 V	116/58 A	985 rpm	91.7%

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