DATA SHEET

Premium Efficiency Motor: **PEWWE100-12-444T** **60 Hz**

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

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Customer:

MOTOR INFORMATION

HP	100
RPM	1200
Phase	3
Frequency	60 Hz
Voltage	230/460 V
Frame Size	444T
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	6
Full Load Speed	1190
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	G
Duty Cycle	S1 / Continuous
Slip	0.83%
NEMA Design	B
Moment of Inertia	55.7 lb.ft.^2
Locked Rotor Time (Hot)	19 seconds
Sound Pressure Level	74 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	1425 lbs.

EFFICIENCY/POWER FACTOR

LOAD	EFF	P. F.
100%	95.0 %	0.81
75%	95.3 %	0.78
50%	94.6 %	0.69

TORQUE

FULL LOAD	LRT	BDT
441 lb.ft.	150 %	230 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	243A	122A
Locked Rotor Amps	1450A	725A
No Load Current	91A	45.5A
Usable at 208V	269A	

BEARING INFORMATION

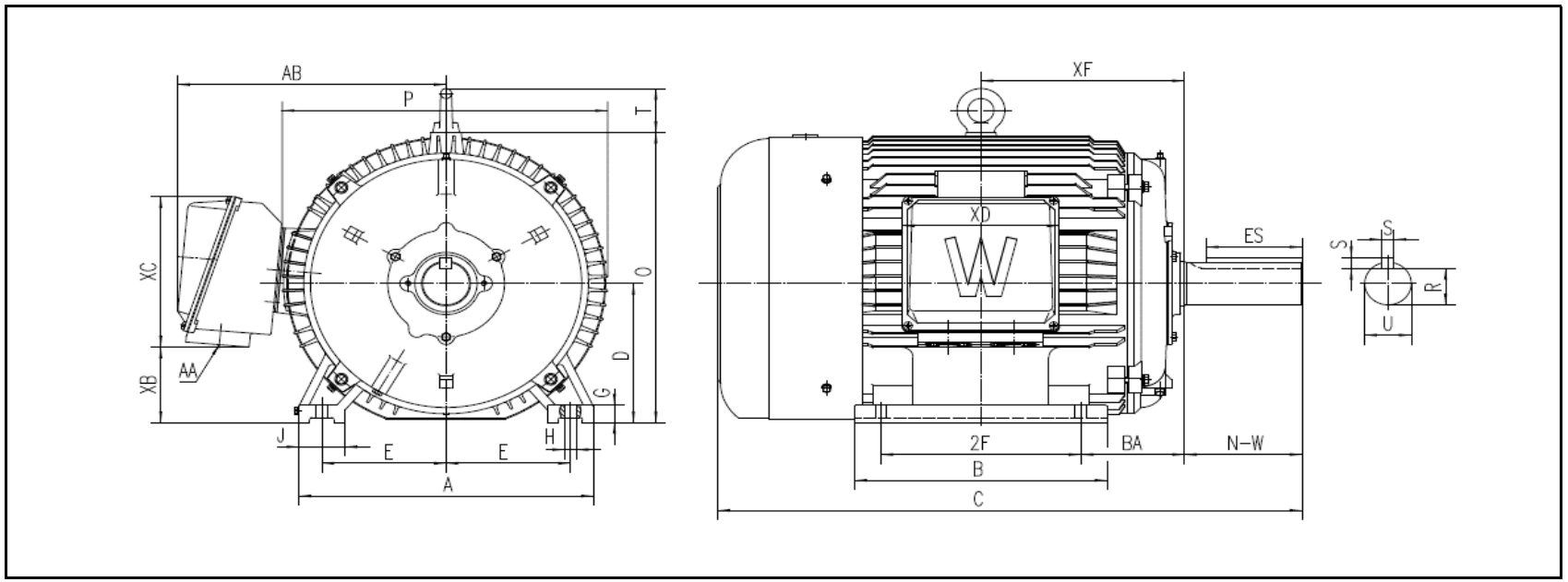
DE Bearing	NU318 C3
ODE Bearing	6313 C3
Grease Type	SKF LGHP 2
DE Regreasing Interval	2200 Hours
ODE Regreasing Interval	4500 Hours

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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										
9	--	14.5	0.81	7.5	21.339	18.268	42.301	11	1.378	3.346	23.574	22.969	3.465	19.436

SHAFT & KEY				
S	ES	R	N-W	U
0.875	6.91	2.88	8.5	3.375

TERMINAL BOX				
AA	XB	XC	XD	XF
2 X 3	5.97	11.905	11.339	14.744

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PERFORMANCE CURVES

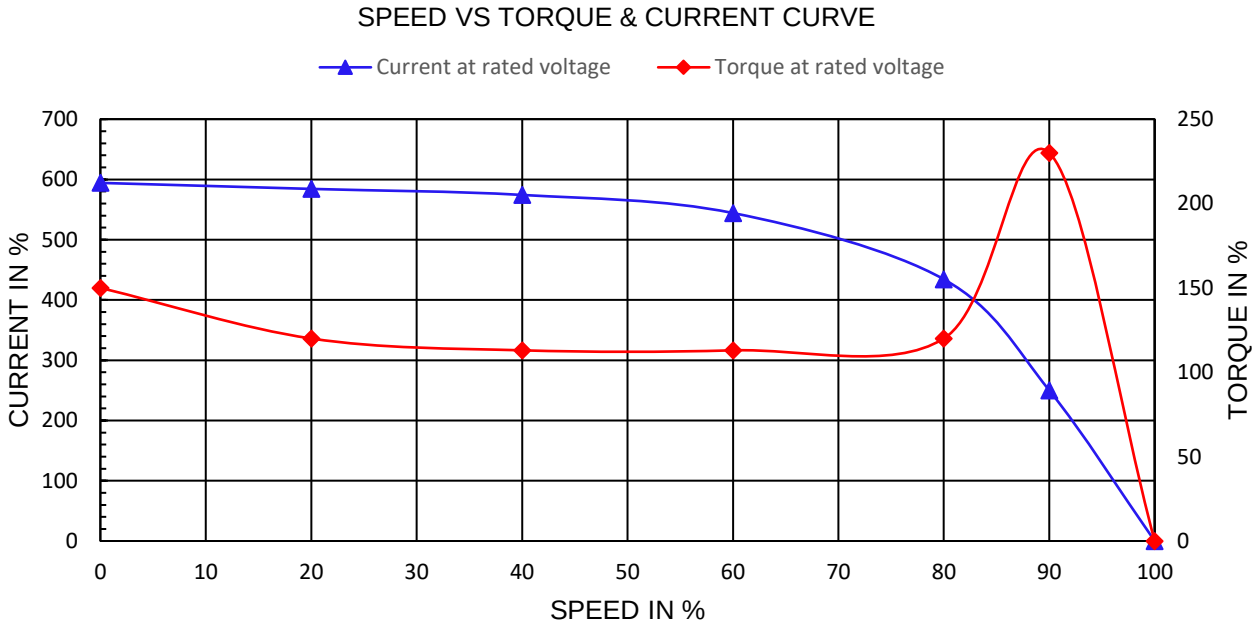
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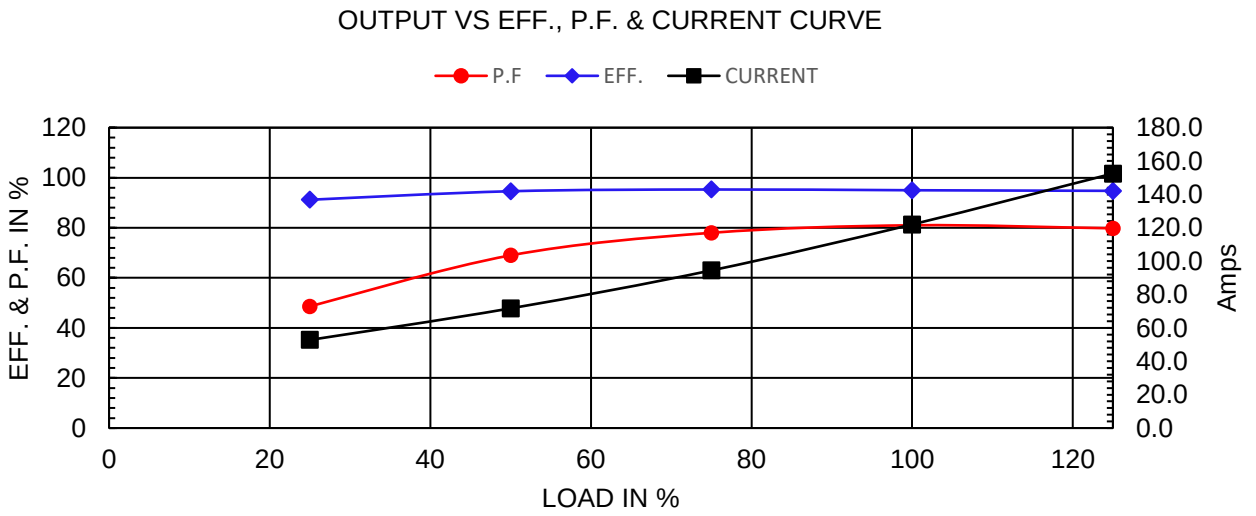
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Motor Type	PEWWE						
Output Rating (HP)	100		FL Speed	1190			
Full Load Torque	441	lb.ft	LRT (%FLT)	150	460 volt FLA	122	A
Rotor Wk^2	55.7	lb-ft^2	BDT (%FLT)	230	230 volt FLA	243	A





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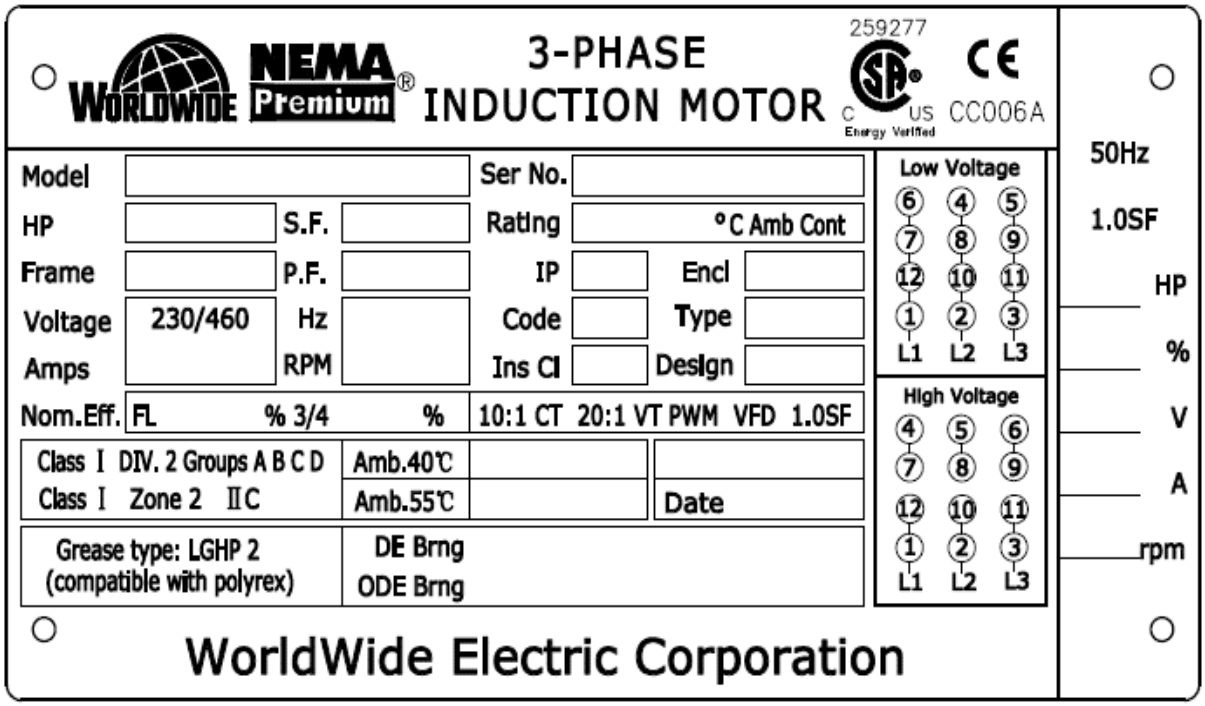
NAMEPLATE / WIRING

Premium Efficiency Motor: **PEWWE100-12-444T**

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SAMPLE NAMEPLATE DATA



Model	PEWWE100-12-444T						
HP	100	S.F.	1.25	IP	IP55	Encl	TEFC
Frame	444T	P.F.	0.81	Code	G	Type	
Voltage	230/460 V	Hz	60 Hz	Ins Cl	F	Ambient	40°C
Amps	243/122	RPM	1190	Design	B	DE Brng	NU318 C3
Nom.Eff.	FL	95.0%	3/4	95.3%		ODE Brng	6313 C3
Class 1 Division 2 Groups A,B,C,D T3A(180°C)						Grease type:	SKF LGHP 2

50Hz				
100 HP	200/400 V	284/142 A	990 rpm	93.7%

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