DATA SHEET

Premium Efficiency Motor: **PEWWE60-12-404TC** **60 Hz**

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

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MOTOR INFORMATION

HP	60
RPM	1200
Phase	3
Frequency	60 Hz
Voltage	230/460 V
Frame Size	404TC
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	30.6 lb.ft.^2
Locked Rotor Time (Hot)	13 seconds
Sound Pressure Level	73 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	979 lbs.

EFFICIENCY/POWER FACTOR

LOAD	EFF	P. F.
100%	94.5 %	0.83
75%	94.8 %	0.80
50%	94.5 %	0.71

TORQUE

FULL LOAD	LRT	BDT
265 lb.ft.	170 %	240 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	143A	71.6A
Locked Rotor Amps	870A	435A
No Load Current	53A	26.5A
Usable at 208V	158A	

BEARING INFORMATION

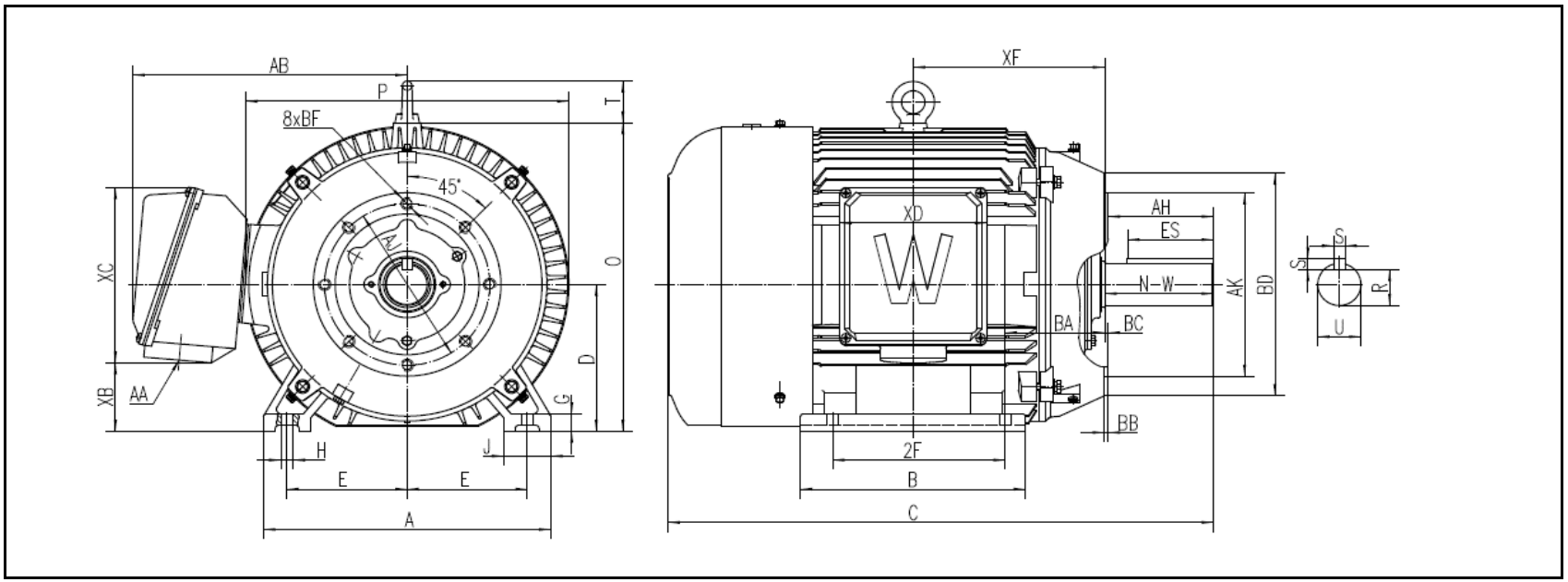
DE Bearing	6316 C3
ODE Bearing	6313 C3
Grease Type	SKF LGHP 2
DE Regreasing Interval	3000 Hours
ODE Regreasing Interval	4500 Hours

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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										
8	--	12.25	0.81	6.62	19.136	14.961	36.319	10	1.181	3.15	21.535	21.024	2.835	18.264

SHAFT & KEY					
S	ES	R	N-W	AH	U
0.75	5.65	2.45	7.25	7	2.875

TERMINAL BOX				
AA	XB	XC	XD	XF
3	4.659	11.933	9.764	12.746

FLANGE					
AJ	AK	BB	BD	BF	BC
11	12.5	0.25	15.157	5/8-11	0.25

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PERFORMANCE CURVES

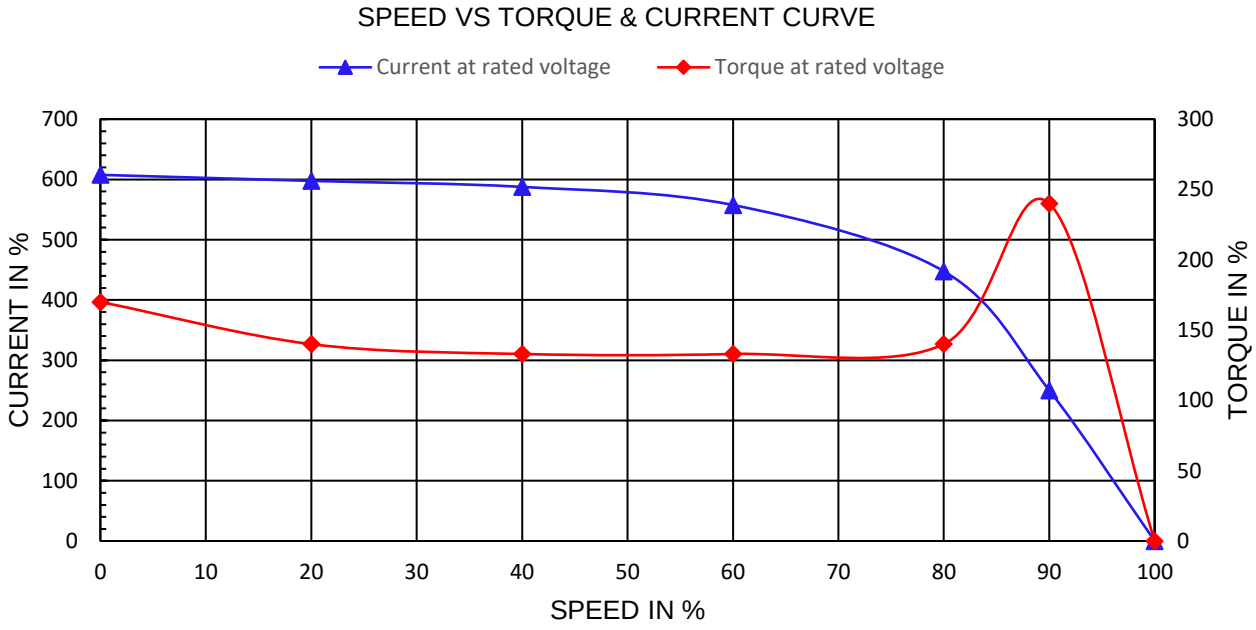
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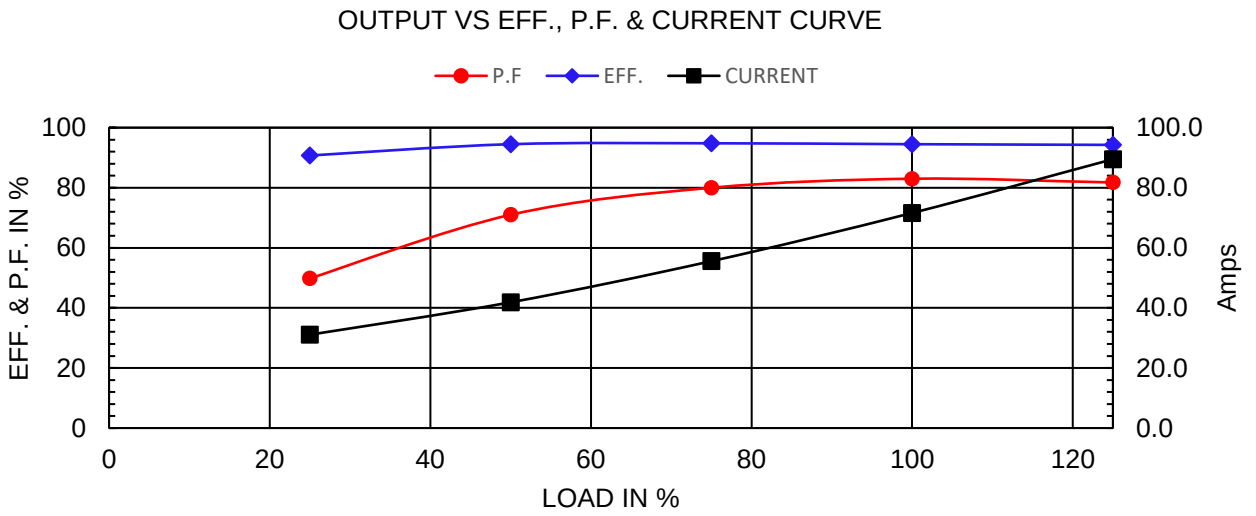
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Motor Type	PEWWE						
Output Rating (HP)	60		FL Speed	1190			
Full Load Torque	265	lb.ft	LRT (%FLT)	170	460 volt FLA	71.6	
Rotor Wk^2	30.6	lb-ft^2	BDT (%FLT)	240	230 volt FLA	143	





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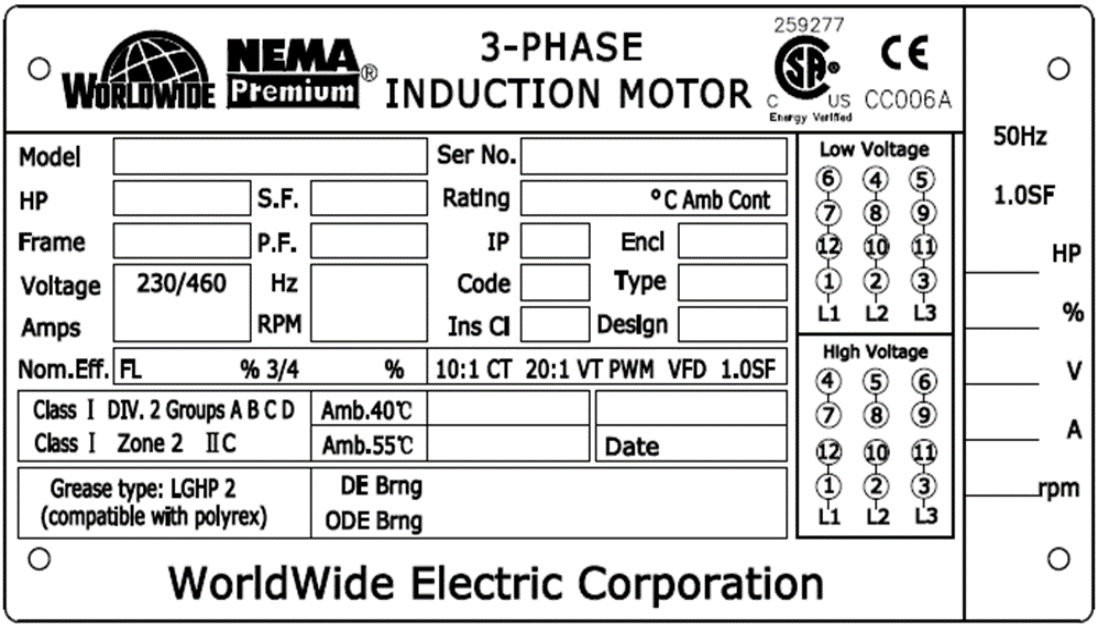
NAMEPLATE / WIRING

Premium Efficiency Motor: **PEWWE60-12-404TC**

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SAMPLE NAMEPLATE DATA



Model	PEWWE60-12-404TC						
HP	60	S.F.	1.25	IP	IP55	Encl	TEFC
Frame	404TC	P.F.	0.83	Code	G	Type	
Voltage	230/460 V	Hz	60 Hz	Ins Cl	F	Ambient	40°C
Amps	143/71.6	RPM	1190	Design	B	DE Brng	6316 C3
Nom.Eff.	FL 94.5%	3/4	94.8%			ODE Brng	6313 C3
Class 1 Division 2 Groups A,B,C,D T3A(180°C)						Grease type:	SKF LGHP 2

50Hz

60 HP	200/400 V	168/84 A	990 rpm
		Eff. 92.7%	

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