DATA SHEET

Premium Efficiency Motor: **PEWWE25-18-284TC** **60 Hz**

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

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MOTOR INFORMATION

HP	25
RPM	1800
Phase	3
Frequency	60 Hz
Voltage	230/460 V
Frame Size	284TC
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	4
Full Load Speed	1770
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	G
Duty Cycle	S1 / Continuous
Slip	1.67%
NEMA Design	B
Moment of Inertia	3.07 lb.ft.^2
Locked Rotor Time (Hot)	15 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	367 lbs.

EFFICIENCY/POWER FACTOR

LOAD	EFF	P. F.
100%	93.6 %	0.85
75%	93.9 %	0.82
50%	93.3 %	0.73

TORQUE

FULL LOAD	LRT	BDT
74.2 lb.ft.	160 %	240 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	58.8A	29.4A
Locked Rotor Amps	365A	182.5A
No Load Current	21.2A	10.6A
Usable at 208V	65.1A	

BEARING INFORMATION

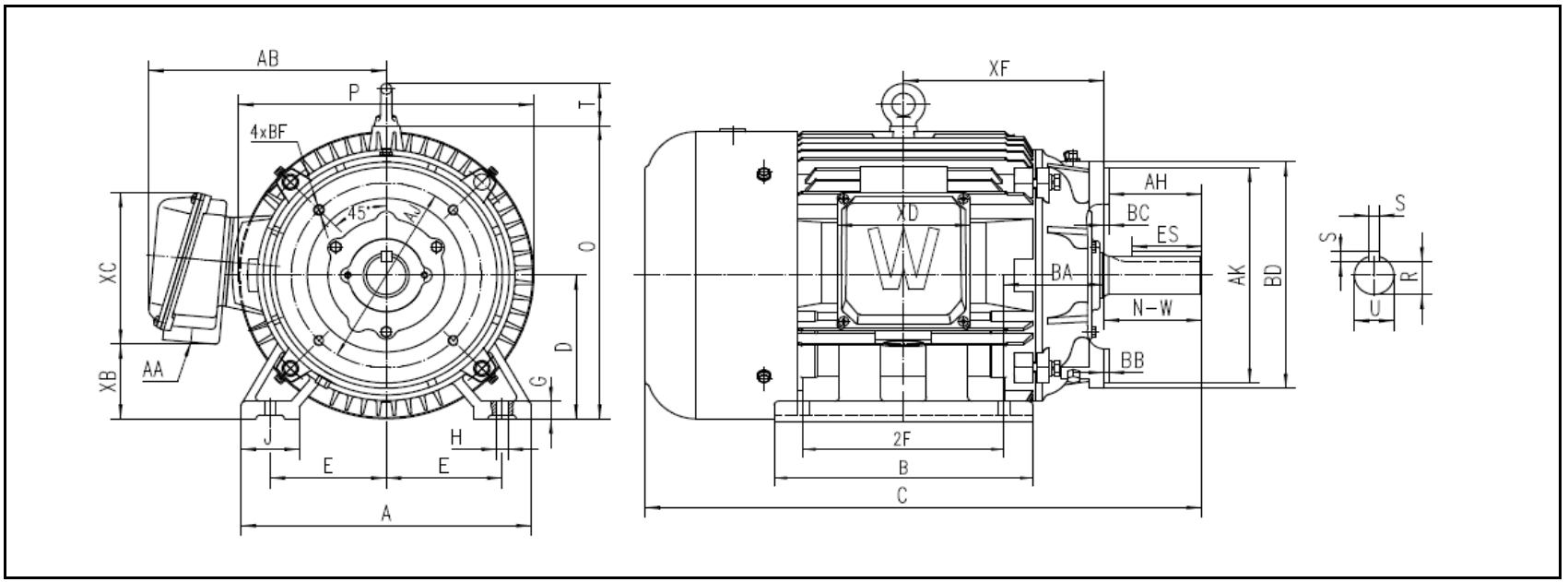
DE Bearing	6311 C3
ODE Bearing	6309 C3
Grease Type	SKF LGHP 2
DE Regreasing Interval	4000 Hours
ODE Regreasing Interval	5000 Hours

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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										
5.5	--	9.5	0.53	4.75	13.74	12.244	26.362	7	0.866	2.756	13.976	14.283	2.047	11.239

SHAFT & KEY					
S	ES	R	N-W	AH	U
0.5	3.28	1.591	4.62	4.38	1.875

TERMINAL BOX				
AA	XB	XC	XD	XF
1.5	3.645	7.381	6.299	9.5

FLANGE					
AJ	AK	BB	BD	BF	BC
9	10.5	0.25	11.024	1/2-13	0.25

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PERFORMANCE CURVES

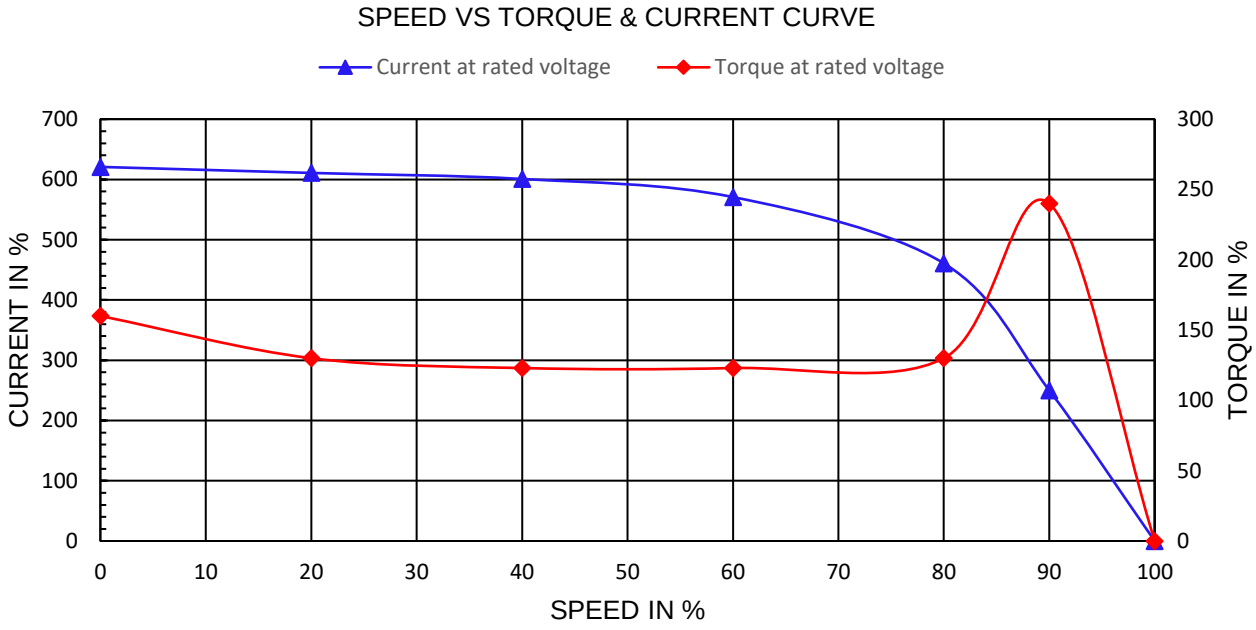
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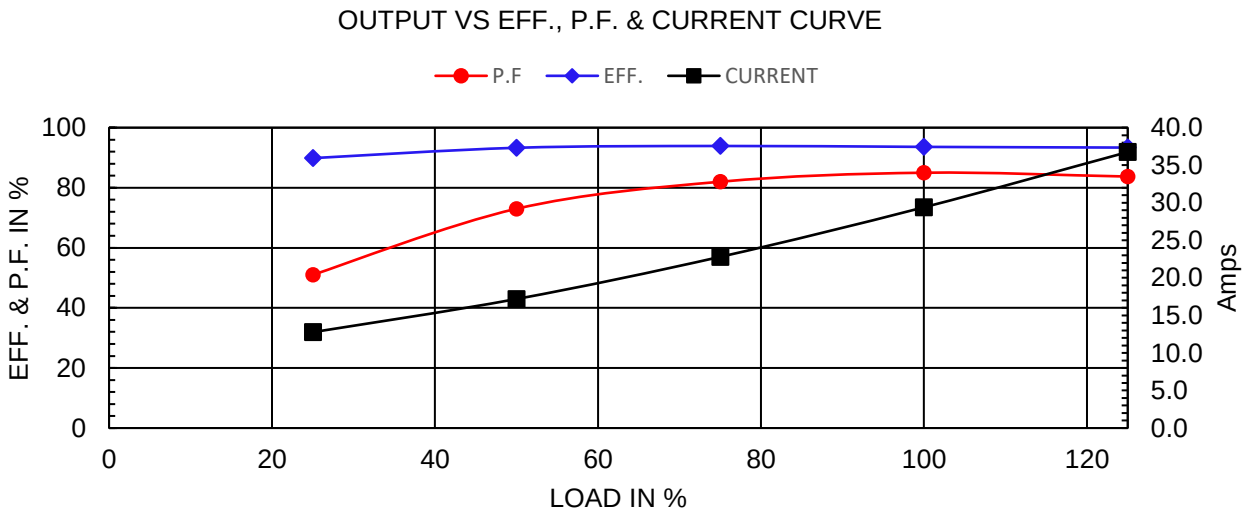
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Motor Type	PEWWE					
Output Rating (HP)	25		FL Speed	1770		
Full Load Torque	74.2	lb.ft	LRT (%FLT)	160	460 volt FLA	29.4
Rotor Wk^2	3.07	lb-ft^2	BDT (%FLT)	240	230 volt FLA	58.8





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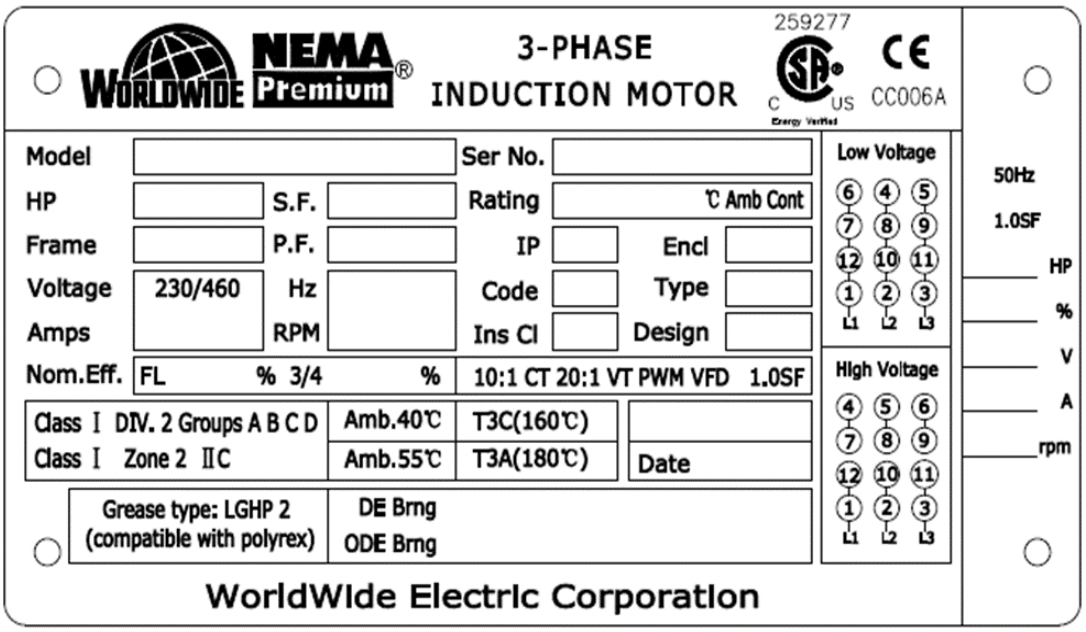
NAMEPLATE / WIRING

Premium Efficiency Motor: **PEWWE25-18-284TC**

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SAMPLE NAMEPLATE DATA



Model	PEWWE25-18-284TC						
HP	25	S.F.	1.25	IP	IP55	Encl	TEFC
Frame	284TC	P.F.	0.85	Code	G	Type	
Voltage	230/460 V	Hz	60 Hz	Ins Cl	F	Ambient	40°C
Amps	58.8/29.4	RPM	1770	Design	B	DE Brng	6311 C3
Nom.Eff.	FL 93.6%	3/4	93.9%			ODE Brng	6309 C3
Class 1 Division 2 Groups A,B,C,D T3C(160°C)						Grease type:	SKF LGHP 2

50Hz

25 HP	200/400 V	69.5/34 A	1465 rpm
		Eff. 90.9%	

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