DATA SHEET

Premium Efficiency Motor: **PEWWE7.5-12-254T** **60 Hz**

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

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MOTOR INFORMATION

HP	7.5
RPM	1200
Phase	3
Frequency	60 Hz
Voltage	230/460 V
Frame Size	254T
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	6
Full Load Speed	1175
Insulation Class	F
Temp Rise	80˚C
NEMA Code Letter	H
Duty Cycle	S1 / Continuous
Slip	2.08%
NEMA Design	B
Moment of Inertia	1.59 lb.ft.^2
Locked Rotor Time (Hot)	19 seconds
Sound Pressure Level	66 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 - 9 Lead Δ
Approximate Weight	226 lbs.

EFFICIENCY/POWER FACTOR

LOAD	EFF	P. F.
100%	91.0 %	0.82
75%	91.3 %	0.76
50%	90.6 %	0.65

TORQUE

FULL LOAD	LRT	BDT
33.5 lb.ft.	170 %	280 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	18.8A	9.41A
Locked Rotor Amps	127A	63.5A
No Load Current	9A	4.5A
Usable at 208V	20.8A	

BEARING INFORMATION

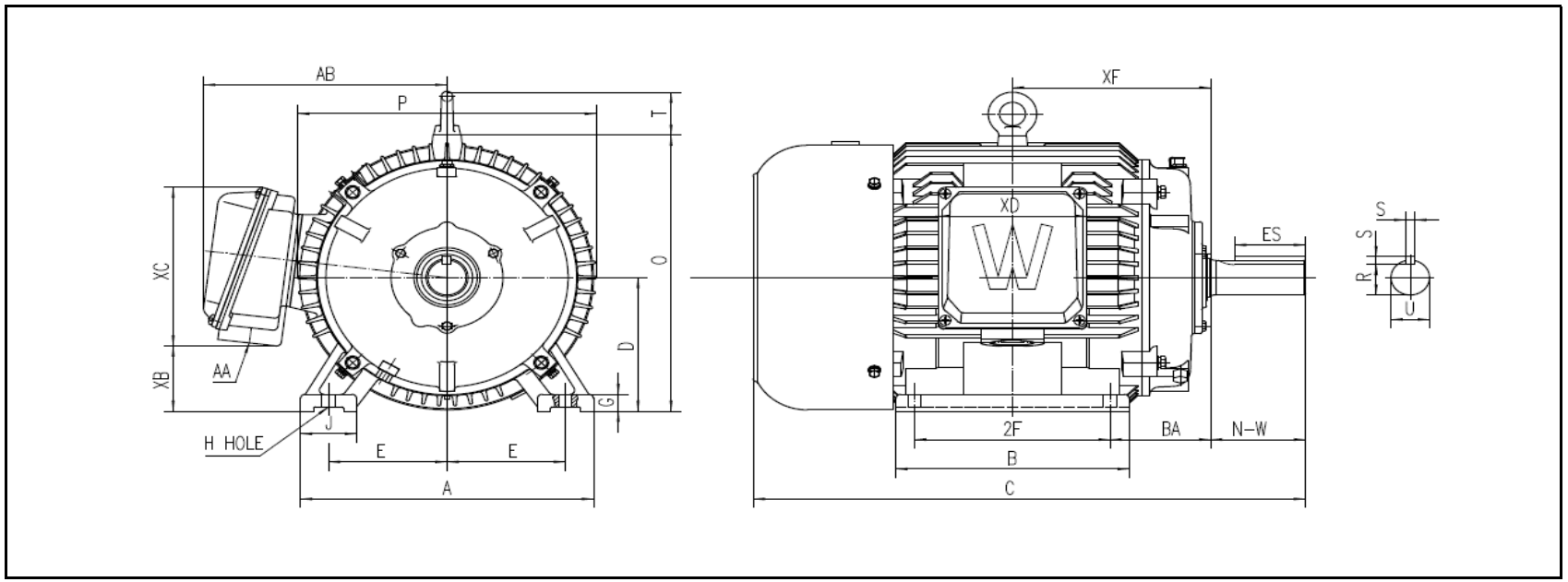
DE Bearing	6309 C3
ODE Bearing	6209 C3
Grease Type	-
DE Regreasing Interval	7500 Hours
ODE Regreasing Interval	7500 Hours

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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	--	8.25	0.53	4.25	12.362	9.843	23.309	6.25	0.787	2.362	12.598	12.894	2.006	10.276

SHAFT & KEY				
S	ES	R	N-W	U
0.375	2.91	1.416	4	1.625

TERMINAL BOX				
AA	XB	XC	XD	XF
1.5	3.047	7.406	6.299	8.364

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PERFORMANCE CURVES

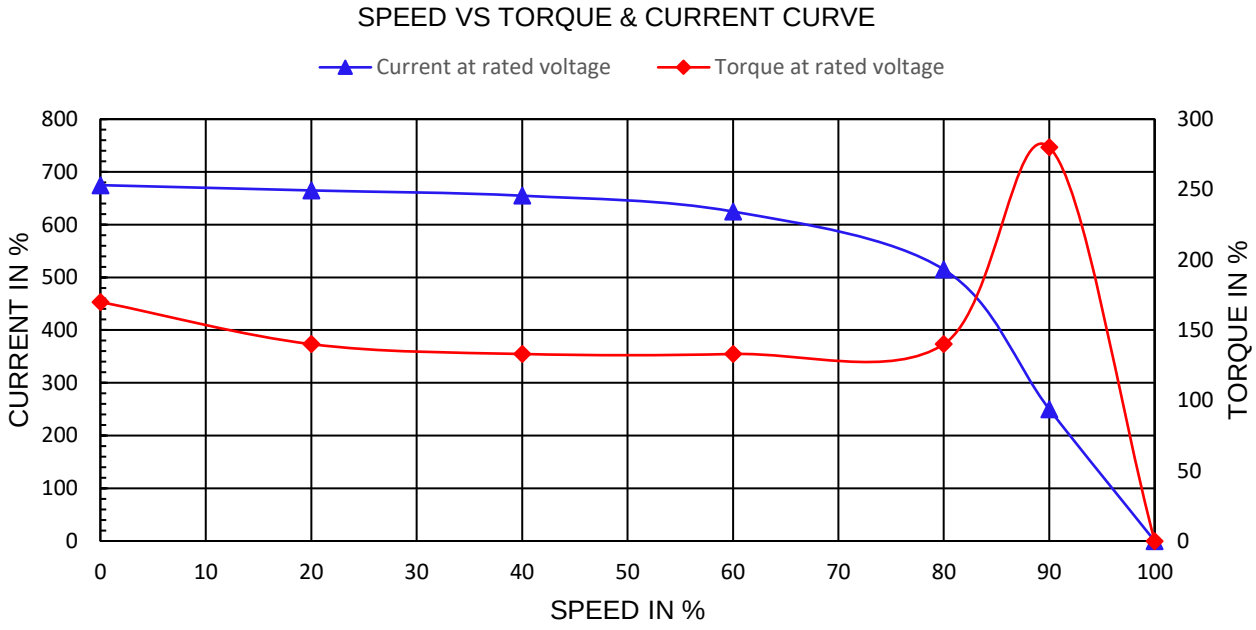
Premium Efficiency Motor: **PEWWE7.5-12-254T**

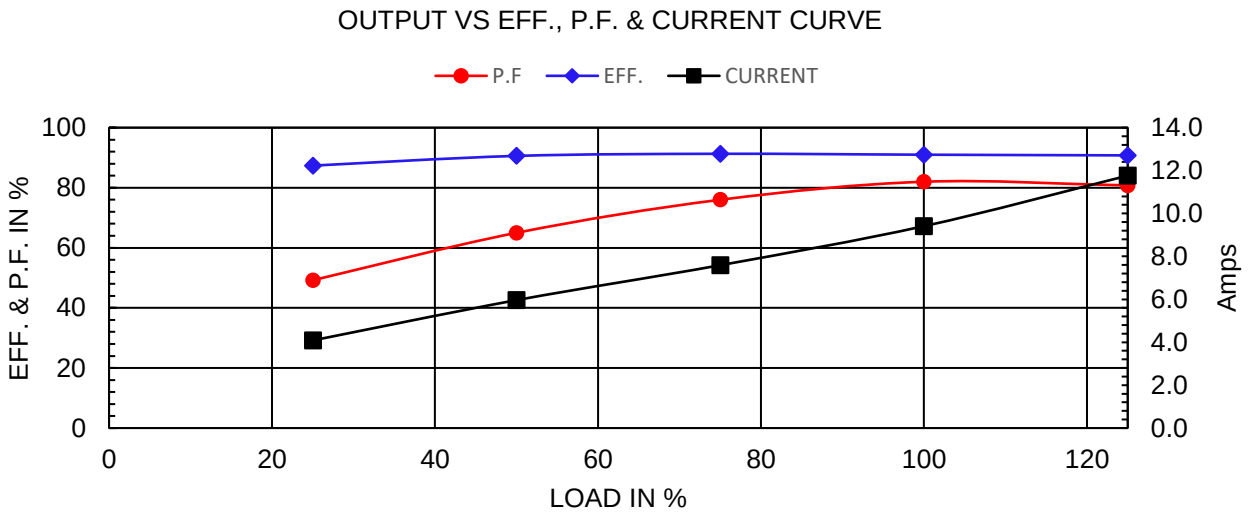
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Motor Type	PEWWE						
Output Rating (HP)	7.5		FL Speed	1175			
Full Load Torque	33.5	lb.ft	LRT (%FLT)	170	460 volt FLA	9.41	A
Rotor Wk^2	1.59	lb-ft^2	BDT (%FLT)	280	230 volt FLA	18.8	A





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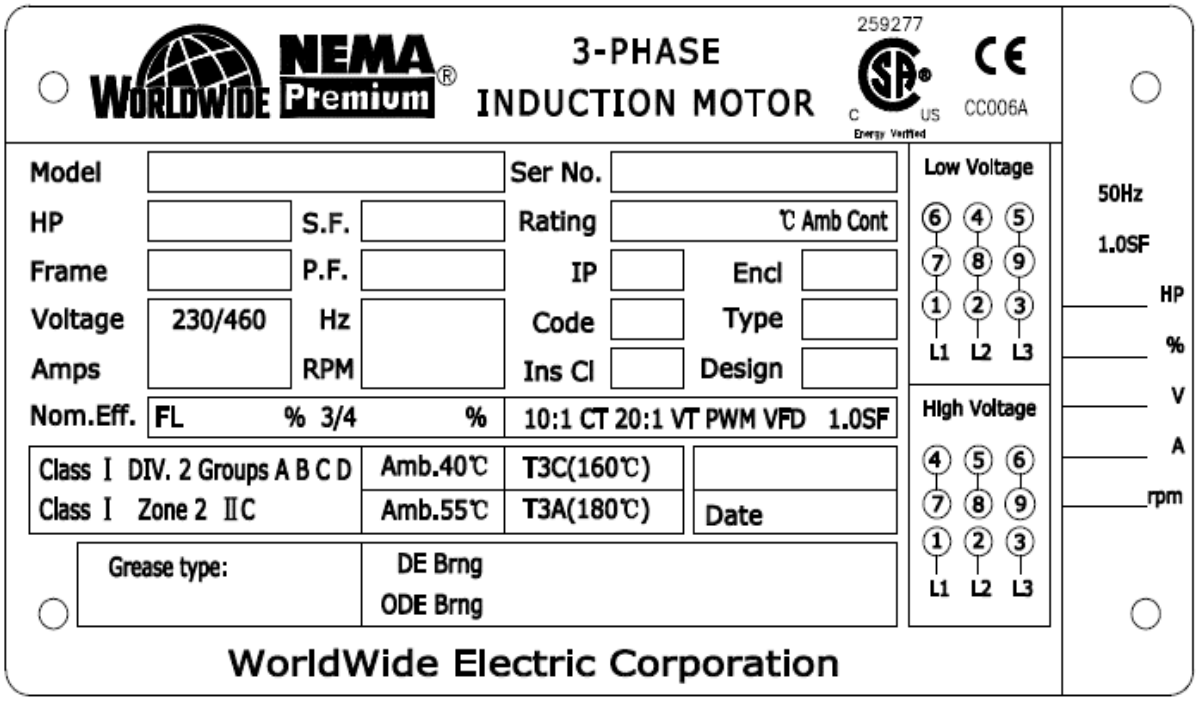
NAMEPLATE / WIRING

Premium Efficiency Motor: **PEWWE7.5-12-254T**

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SAMPLE NAMEPLATE DATA



Model	PEWWE7.5-12-254T						
HP	7.5	S.F.	1.25	IP	IP55	Encl	TEFC
Frame	254T	P.F.	0.82	Code	H	Type	
Voltage	230/460 V	Hz	60 Hz	Ins Cl	F	Ambient	40°C
Amps	18.8/9.41	RPM	1175	Design	B	DE Brng	6309 C3
Nom.Eff.	FL 91.0%	3/4	91.3%			ODE Brng	6209 C3
Class 1 Division 2 Groups A,B,C,D T3C(160℃)						Grease type:	-

50Hz				
7.5 HP	200/400 V	22.9/11 A	970 rpm	86.0%

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