DATA SHEET

Premium Efficiency Motor: **PEWWE7.5-18-213T** **60 Hz**

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

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Customer:

MOTOR INFORMATION

HP	7.5
RPM	1800
Phase	3
Frequency	60 Hz
Voltage	230/460 V
Frame Size	213T
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	4
Full Load Speed	1760
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	H
Duty Cycle	S1 / Continuous
Slip	2.22%
NEMA Design	B
Moment of Inertia	0.652 lb.ft.^2
Locked Rotor Time (Hot)	12 seconds
Sound Pressure Level	63 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	No
Shaft Material	1045 Carbon Steel
Connection Diagram	230 / 460 V - 9 Lead Δ
Approximate Weight	158 lbs.

EFFICIENCY/POWER FACTOR

LOAD	EFF	P. F.
100%	91.7 %	0.83
75%	91.8 %	0.78
50%	91.2 %	0.67

TORQUE

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

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	18.5A	9.23A
Locked Rotor Amps	127A	63.5A
No Load Current	8A	4A
Usable at 208V	20.4A	

BEARING INFORMATION

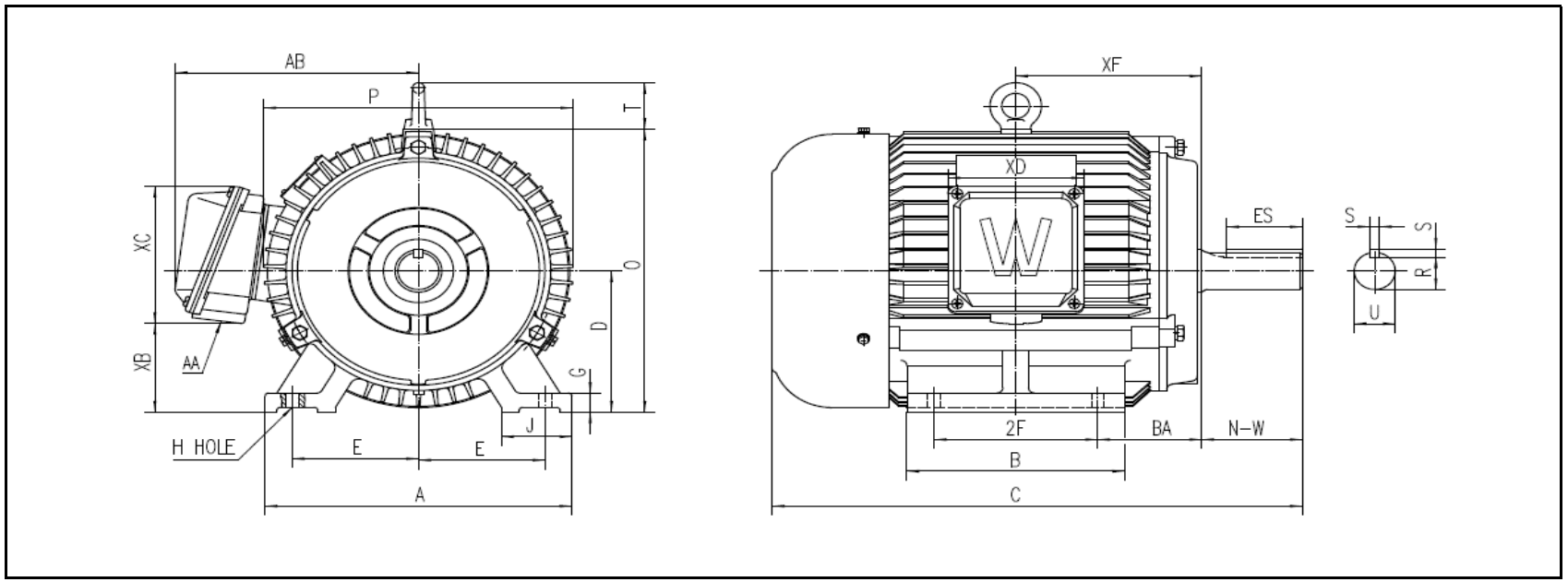
DE Bearing	6308ZZ C3
ODE Bearing	6207ZZ C3
Grease Type	-
DE Regreasing Interval	- Hours
ODE Regreasing Interval	- Hours

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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										
4.25	--	5.5	0.41	3.5	10.315	7.323	17.823	5.25	0.709	2.362	10.389	10.526	1.732	8.178

SHAFT & KEY				
S	ES	R	N-W	U
0.312	2.41	1.201	3.38	1.375

TERMINAL BOX				
AA	XB	XC	XD	XF
1	3.296	5.098	4.567	6.254

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PERFORMANCE CURVES

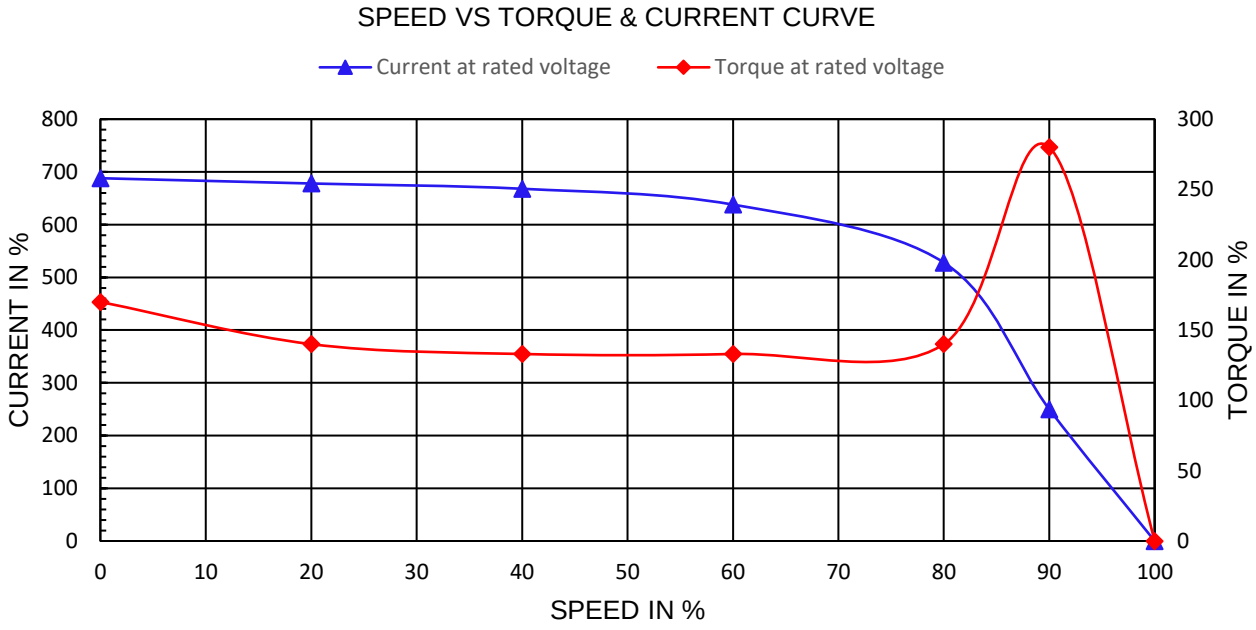
Premium Efficiency Motor: **PEWWE7.5-18-213T**

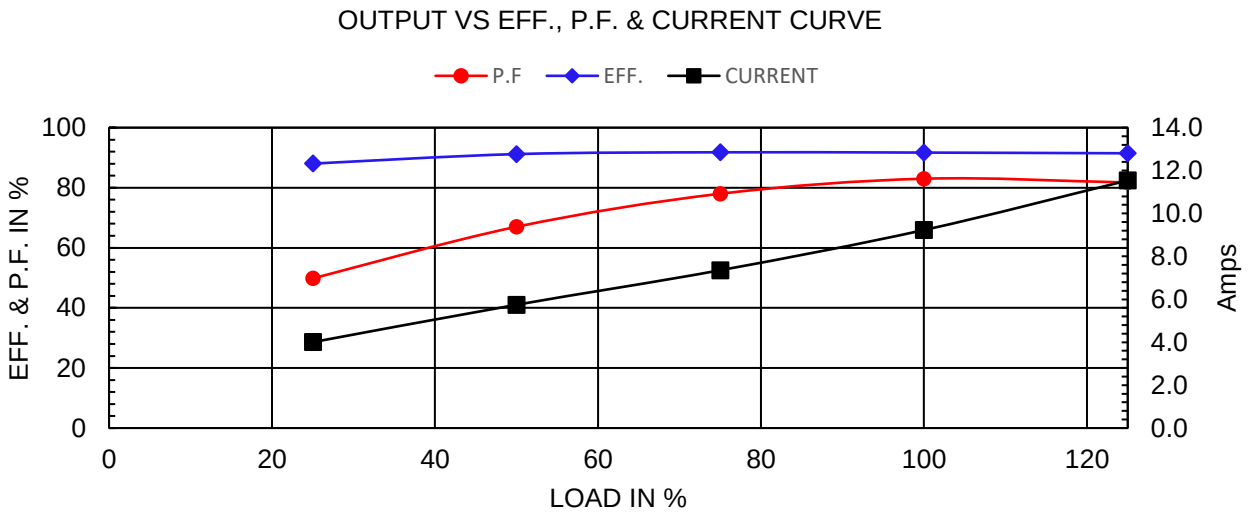
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Motor Type	PEWWE						
Output Rating (HP)	7.5		FL Speed	1760			
Full Load Torque	22.4	lb.ft	LRT (%FLT)	170	460 volt FLA	9.23	A
Rotor Wk^2	0.652	lb-ft^2	BDT (%FLT)	280	230 volt FLA	18.5	A





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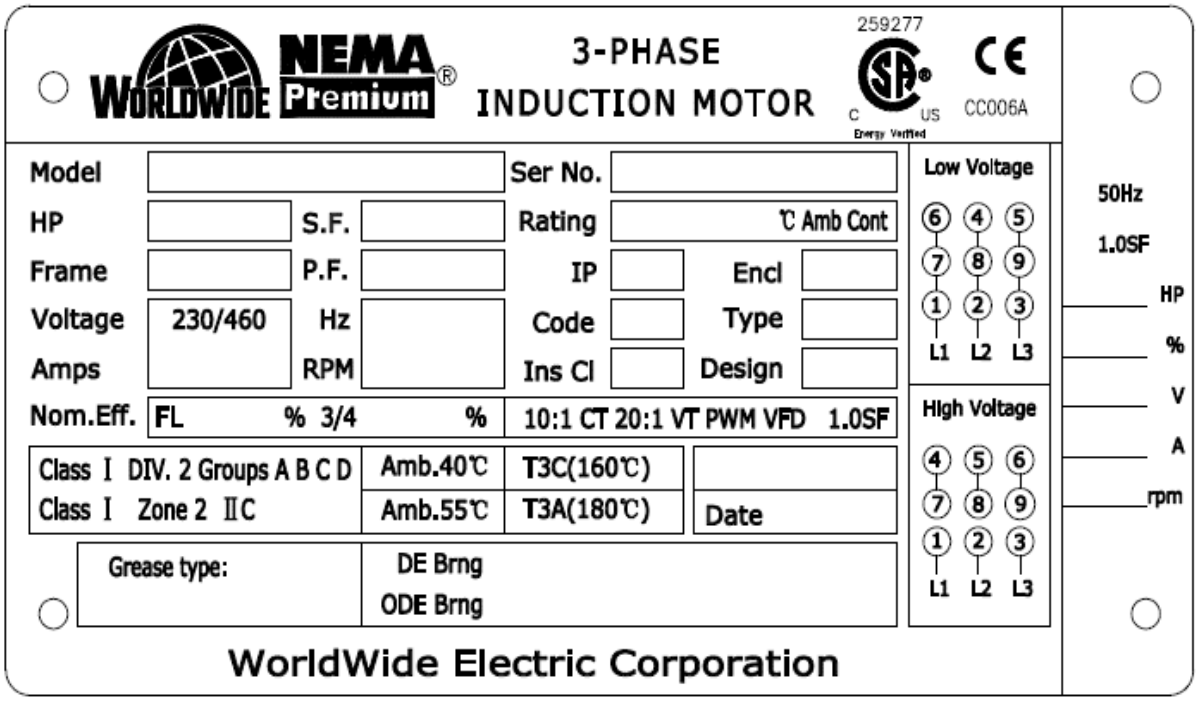
NAMEPLATE / WIRING

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SAMPLE NAMEPLATE DATA



Model	PEWWE7.5-18-213T						
HP	7.5	S.F.	1.25	IP	IP55	Encl	TEFC
Frame	213T	P.F.	0.83	Code	H	Type	
Voltage	230/460 V	Hz	60 Hz	Ins Cl	F	Ambient	40°C
Amps	18.5/9.23	RPM	1760	Design	B	DE Brng	6308ZZ C3
Nom.Eff.	FL 91.7%	3/4	91.8%			ODE Brng	6207ZZ C3
Class 1 Division 2 Groups A,B,C,D T3C(160℃)						Grease type:	-

50Hz				
7.5 HP	200/400 V	22.2/11 A	1455 rpm	87.7%

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