DATA SHEET

Premium Efficiency Motor: **PEWWE20-18-256T** **60 Hz**

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

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MOTOR INFORMATION

HP	20
RPM	1800
Phase	3
Frequency	60 Hz
Voltage	230/460 V
Frame Size	256T
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	4
Full Load Speed	1765
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	G
Duty Cycle	S1 / Continuous
Slip	1.94%
NEMA Design	B
Moment of Inertia	2.32 lb.ft.^2
Locked Rotor Time (Hot)	22 seconds
Sound Pressure Level	68 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	297 lbs.

EFFICIENCY/POWER FACTOR

LOAD	EFF	P. F.
100%	93.0 %	0.85
75%	93.2 %	0.82
50%	92.9 %	0.72

TORQUE

FULL LOAD	LRT	BDT
59.5 lb.ft.	180 %	250 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	47.4A	23.7A
Locked Rotor Amps	290A	145A
No Load Current	18A	9A
Usable at 208V	52.4A	

BEARING INFORMATION

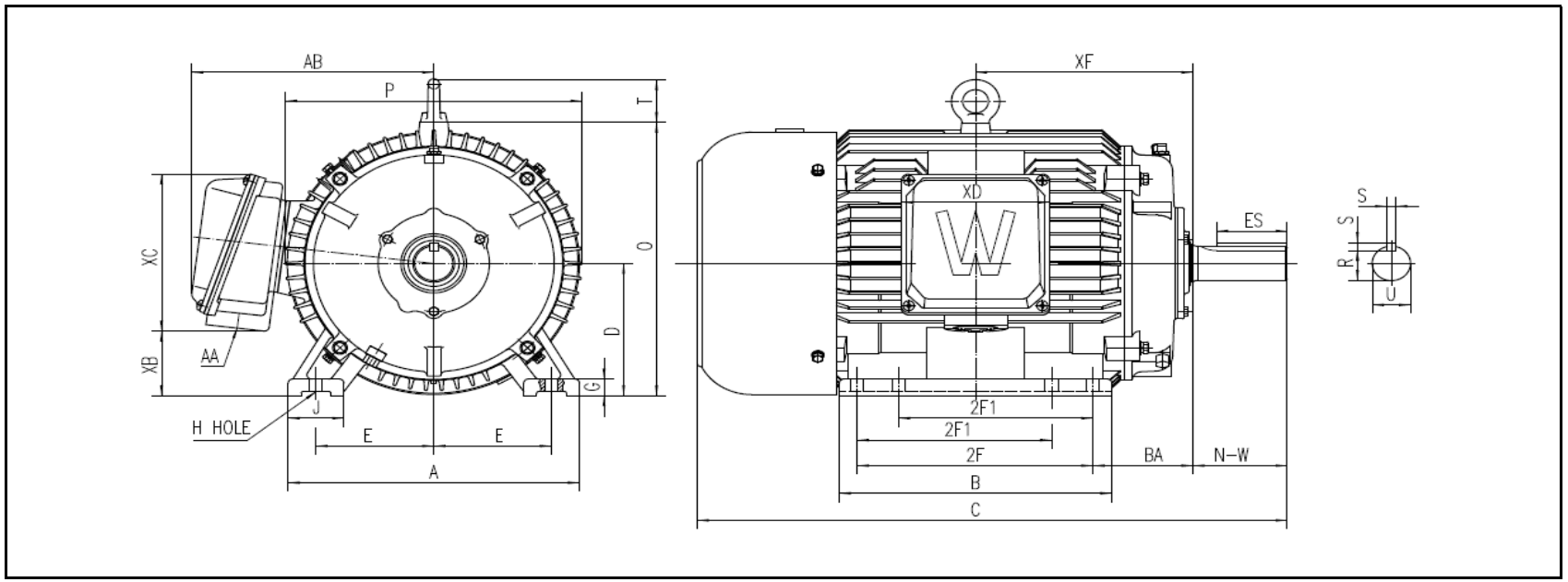
DE Bearing	6309 C3
ODE Bearing	6209 C3
Grease Type	-
DE Regreasing Interval	5000 Hours
ODE Regreasing Interval	5000 Hours

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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	8.25	10	0.53	4.25	12.362	11.575	25.041	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 1/2	3.047	7.406	6.299	9.23

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PERFORMANCE CURVES

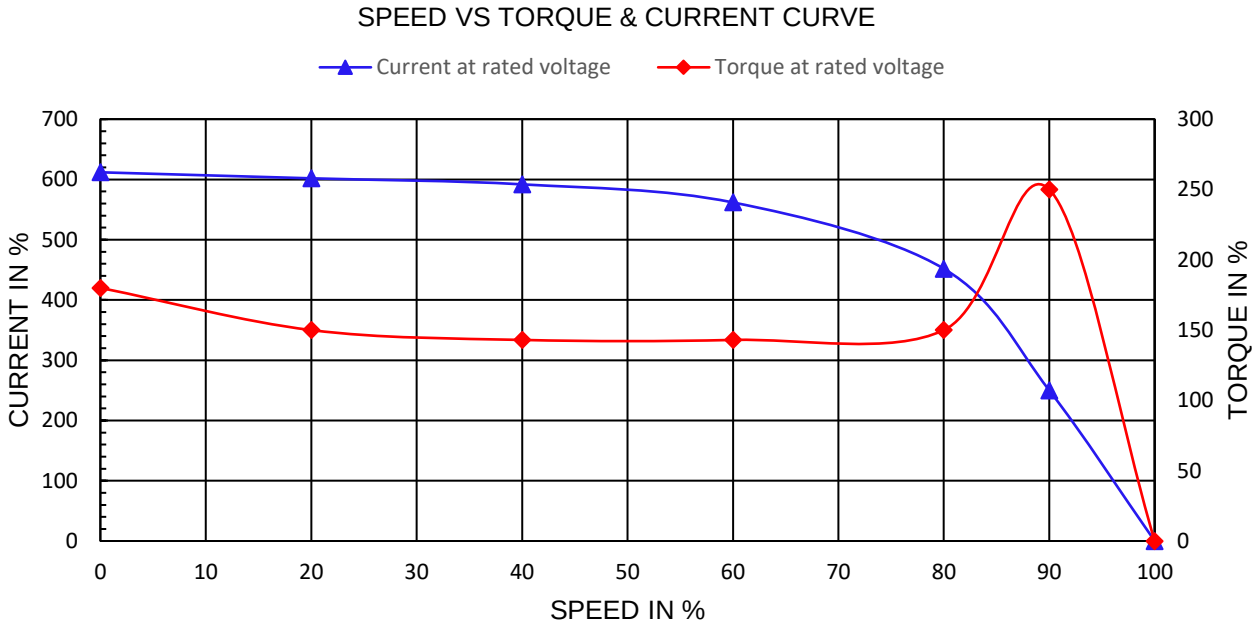
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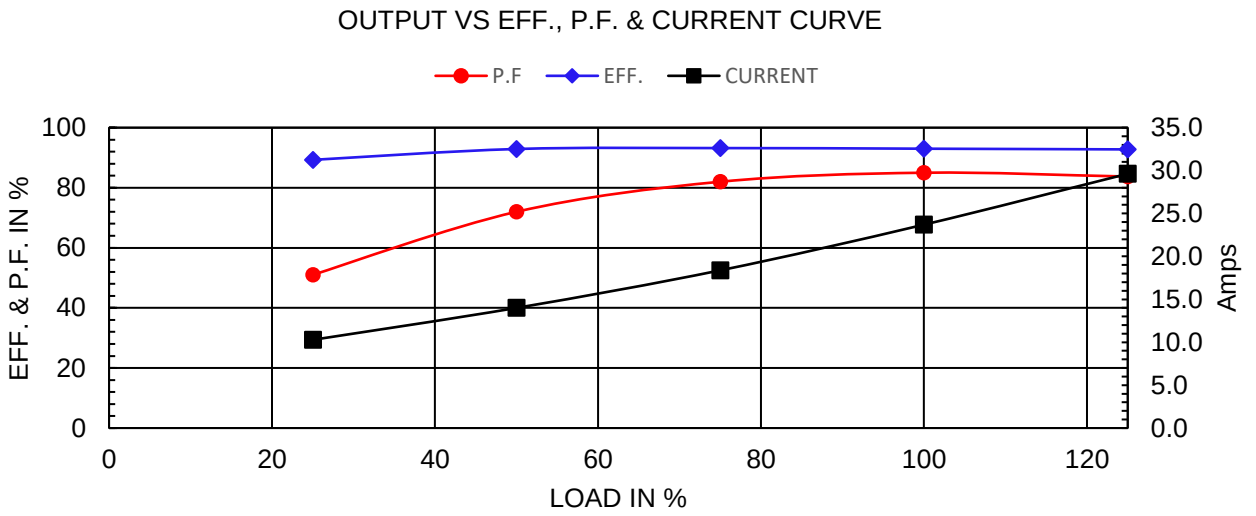
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Motor Type	PEWWE						
Output Rating (HP)	20		FL Speed	1765			
Full Load Torque	59.5	lb.ft	LRT (%FLT)	180	460 volt FLA	23.7	A
Rotor Wk^2	2.32	lb-ft^2	BDT (%FLT)	250	230 volt FLA	47.4	A





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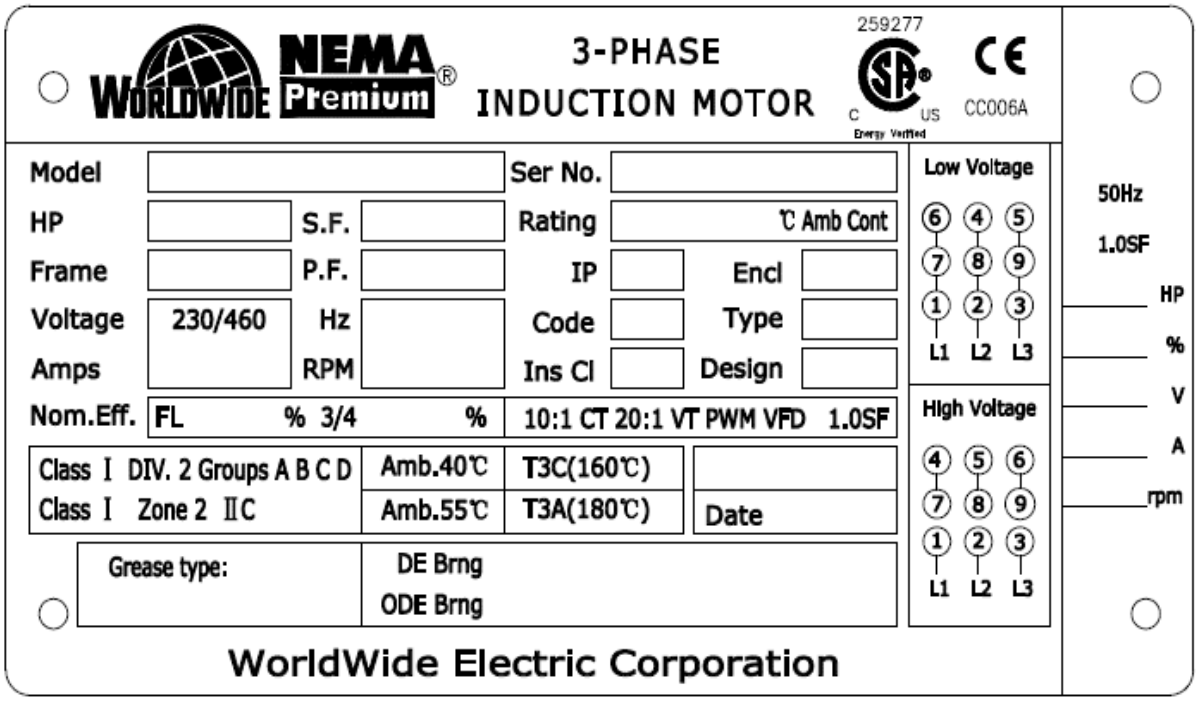
NAMEPLATE / WIRING

Premium Efficiency Motor: **PEWWE20-18-256T**

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SAMPLE NAMEPLATE DATA



Model	PEWWE20-18-256T						
HP	20	S.F.	1.25	IP	IP55	Encl	TEFC
Frame	256T	P.F.	0.85	Code	G	Type	
Voltage	230/460 V	Hz	60 Hz	Ins Cl	F	Ambient	40°C
Amps	47.4/23.7	RPM	1765	Design	B	DE Brng	6309 C3
Nom.Eff.	FL 93.0%	3/4	93.2%			ODE Brng	6209 C3
Class 1 Division 2 Groups A,B,C,D T3C(160℃)						Grease type:	-

50Hz				
20 HP	200/400 V	55.9/28 A	1460 rpm	90.6%

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