DATA SHEET

Premium Efficiency Motor: **PEWWE200-18-445/7T** **60 Hz**

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

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MOTOR INFORMATION

HP	200
RPM	1800
Phase	3
Frequency	60 Hz
Voltage	230/460 V
Frame Size	445/7T
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	4
Full Load Speed	1790
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	G
Duty Cycle	S1 / Continuous
Slip	0.55%
NEMA Design	B
Moment of Inertia	61 lb.ft.^2
Locked Rotor Time (Hot)	17 seconds
Sound Pressure Level	78 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	1964 lbs.

EFFICIENCY/POWER FACTOR

LOAD	EFF	P. F.
100%	96.2 %	0.85
75%	96.5 %	0.84
50%	96.3 %	0.76

TORQUE

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

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	458A	229A
Locked Rotor Amps	2900A	1450A
No Load Current	148A	74A
Usable at 208V	506A	

BEARING INFORMATION

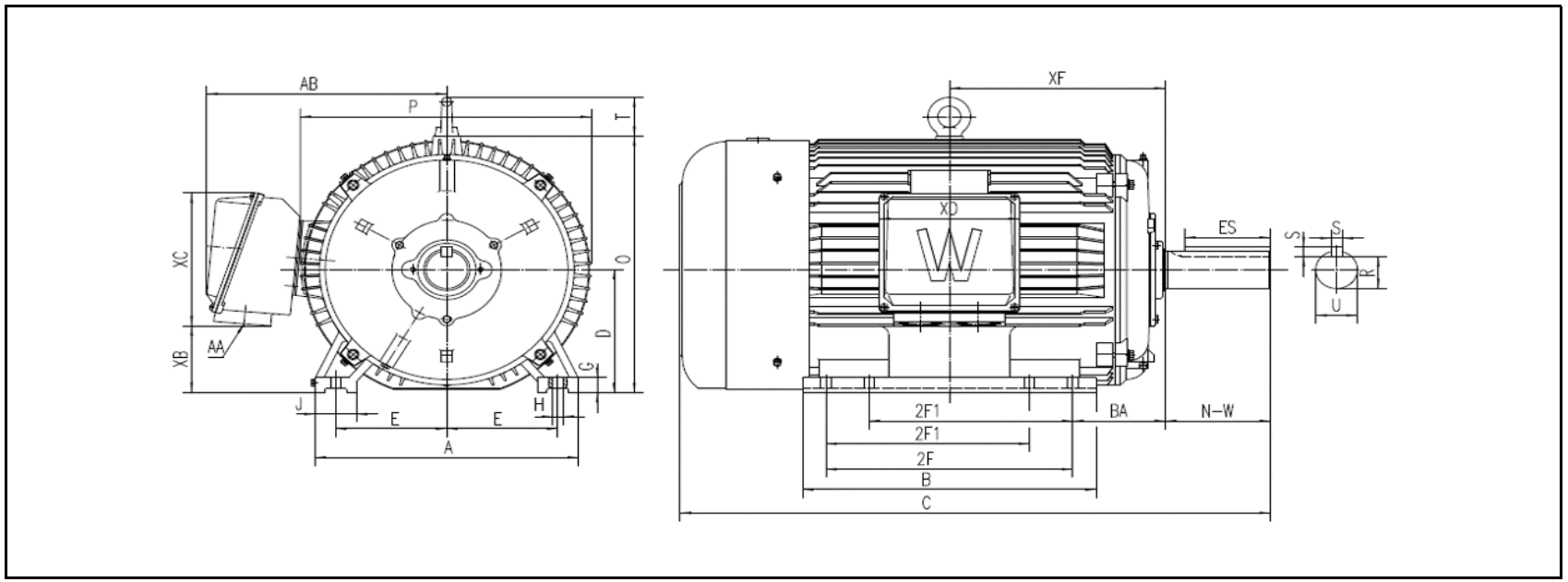
DE Bearing	NU319 C3
ODE Bearing	6313 C3
Grease Type	SKF LGHP 2
DE Regreasing Interval	1500 Hours
ODE Regreasing Interval	3000 Hours

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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										
9	16.5	20	0.81	7.5	21.339	23.78	47.813	11	1.378	3.346	23.574	22.969	3.465	19.436

SHAFT & KEY				
S	ES	R	N-W	U
0.875	6.91	2.88	8.5	3.375

TERMINAL BOX				
AA	XB	XC	XD	XF
2 X 3	5.97	11.905	11.339	17.5

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PERFORMANCE CURVES

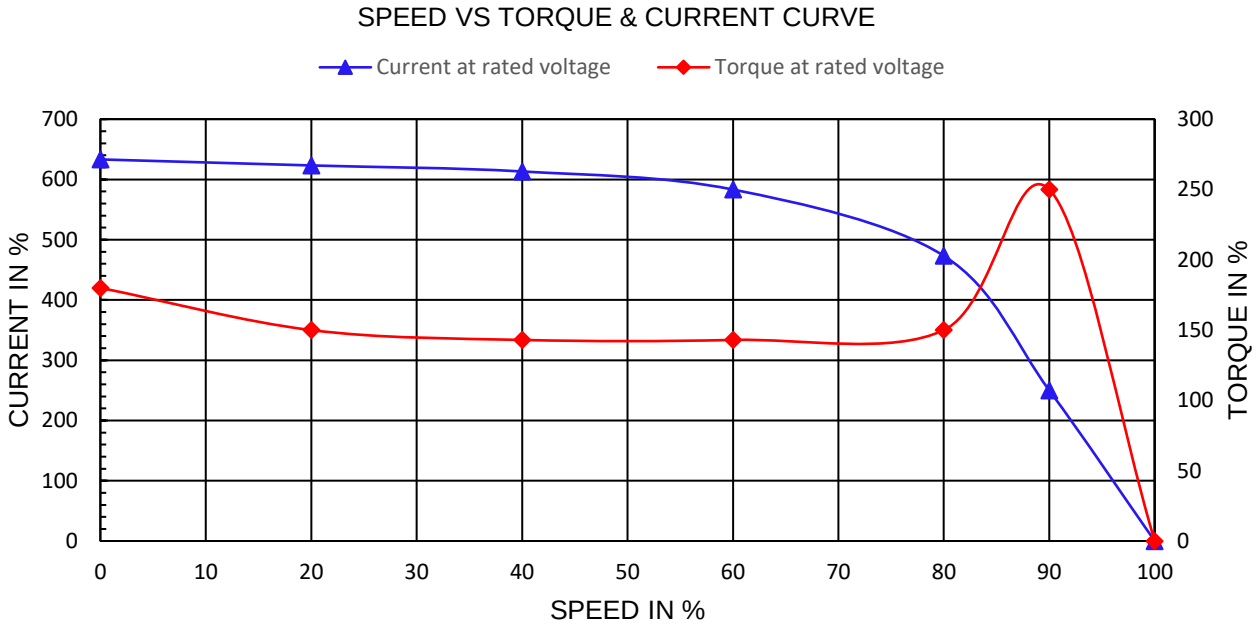
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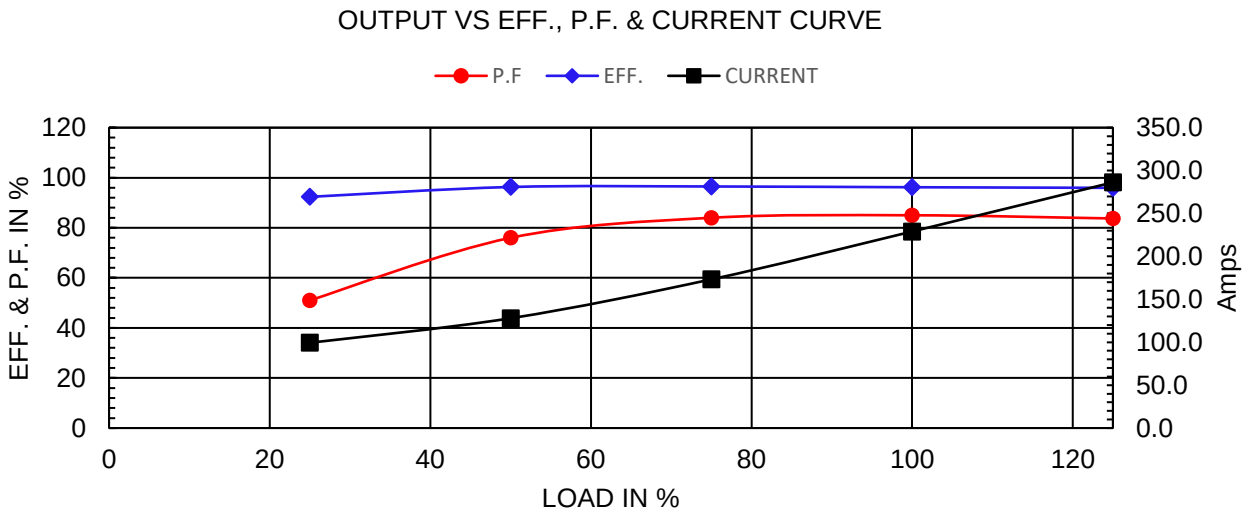
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Motor Type	PEWWE						
Output Rating (HP)	200		FL Speed	1790			
Full Load Torque	587	lb.ft	LRT (%FLT)	180	460 volt FLA	229	A
Rotor Wk^2	61	lb-ft^2	BDT (%FLT)	250	230 volt FLA	458	A





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NAMEPLATE / WIRING

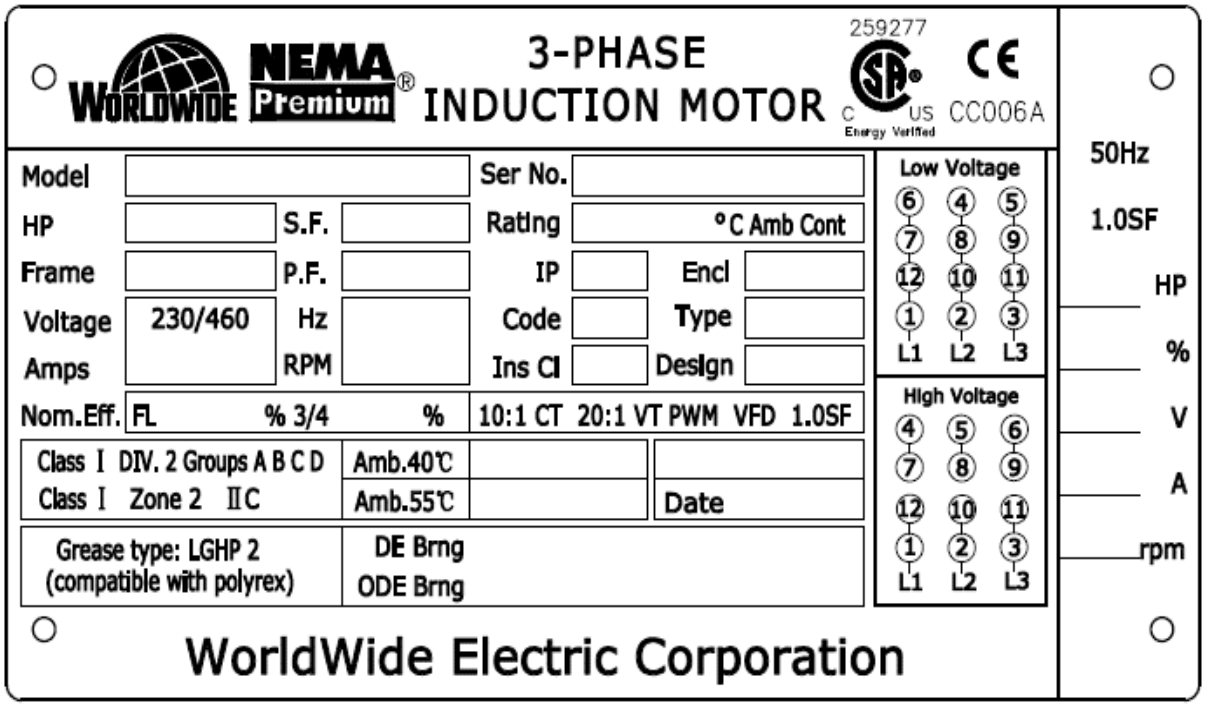
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SAMPLE NAMEPLATE DATA



Model	PEWWE200-18-445/7T						
HP	200	S.F.	1.25	IP	IP55	Encl	TEFC
Frame	445/7T	P.F.	0.85	Code	G	Type	
Voltage	230/460 V	Hz	60 Hz	Ins Cl	F	Ambient	40°C
Amps	458/229	RPM	1790	Design	B	DE Brng	NU319 C3
Nom.Eff.	FL	96.2%	3/4	96.5%		ODE Brng	6313 C3
Class 1 Division 2 Groups A,B,C,D T3A(180°C)						Grease type:	SKF LGHP 2

50Hz				
200 HP	200/400 V	534/267 A	1490 rpm	94.9%

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