DATA SHEET

Premium Efficiency Motor: **PEWWE150-12-445/7T** **60 Hz**

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

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MOTOR INFORMATION

HP	150
RPM	1200
Phase	3
Frequency	60 Hz
Voltage	230/460 V
Frame Size	445/7T
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	6
Full Load Speed	1190
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	G
Duty Cycle	S1 / Continuous
Slip	0.83%
NEMA Design	B
Moment of Inertia	88.7 lb.ft.^2
Locked Rotor Time (Hot)	16 seconds
Sound Pressure Level	76 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	2013 lbs.

EFFICIENCY/POWER FACTOR

LOAD	EFF	P. F.
100%	95.8 %	0.82
75%	95.9 %	0.78
50%	95.2 %	0.67

TORQUE

FULL LOAD	LRT	BDT
662 lb.ft.	160 %	250 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	358A	179A
Locked Rotor Amps	2170A	1085A
No Load Current	143A	71.5A
Usable at 208V	395A	

BEARING INFORMATION

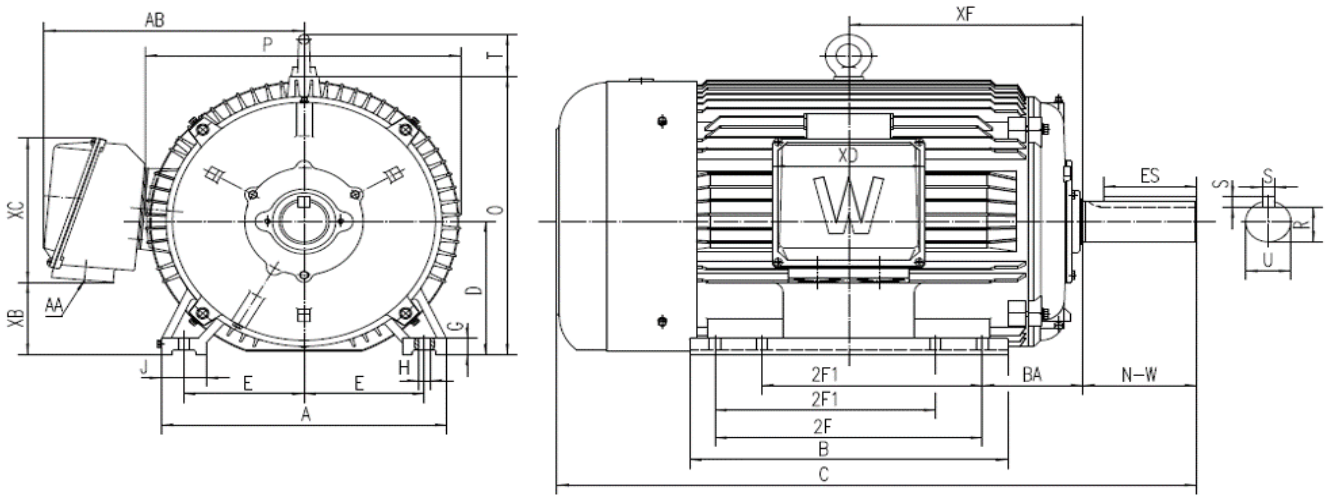
DE Bearing	NU319 C3
ODE Bearing	6313 C3
Grease Type	SKF LGHP 2
DE Regreasing Interval	2200 Hours
ODE Regreasing Interval	4500 Hours

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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

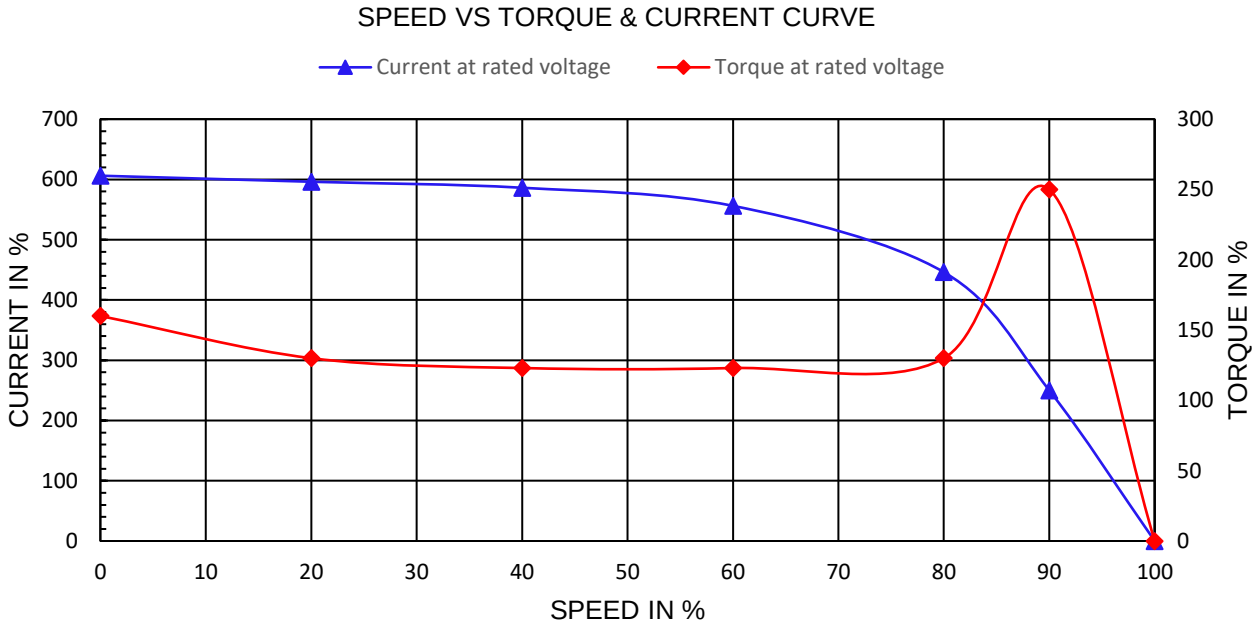
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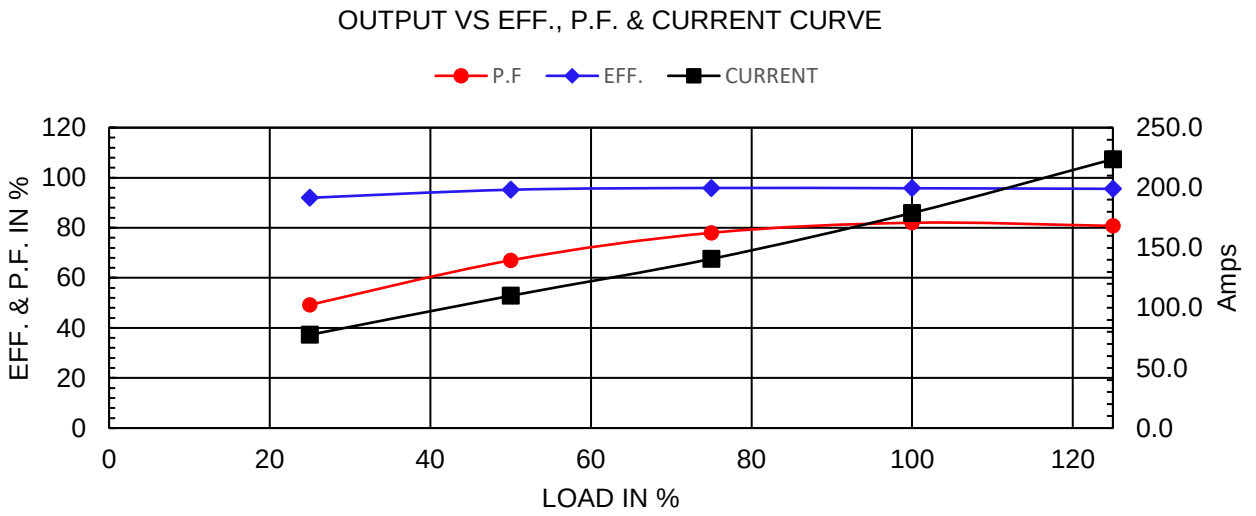
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Motor Type	PEWWE						
Output Rating (HP)	150		FL Speed	1190			
Full Load Torque	662	lb.ft	LRT (%FLT)	160	460 volt FLA	179	A
Rotor Wk^2	88.7	lb-ft^2	BDT (%FLT)	250	230 volt FLA	358	A





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NAMEPLATE / WIRING

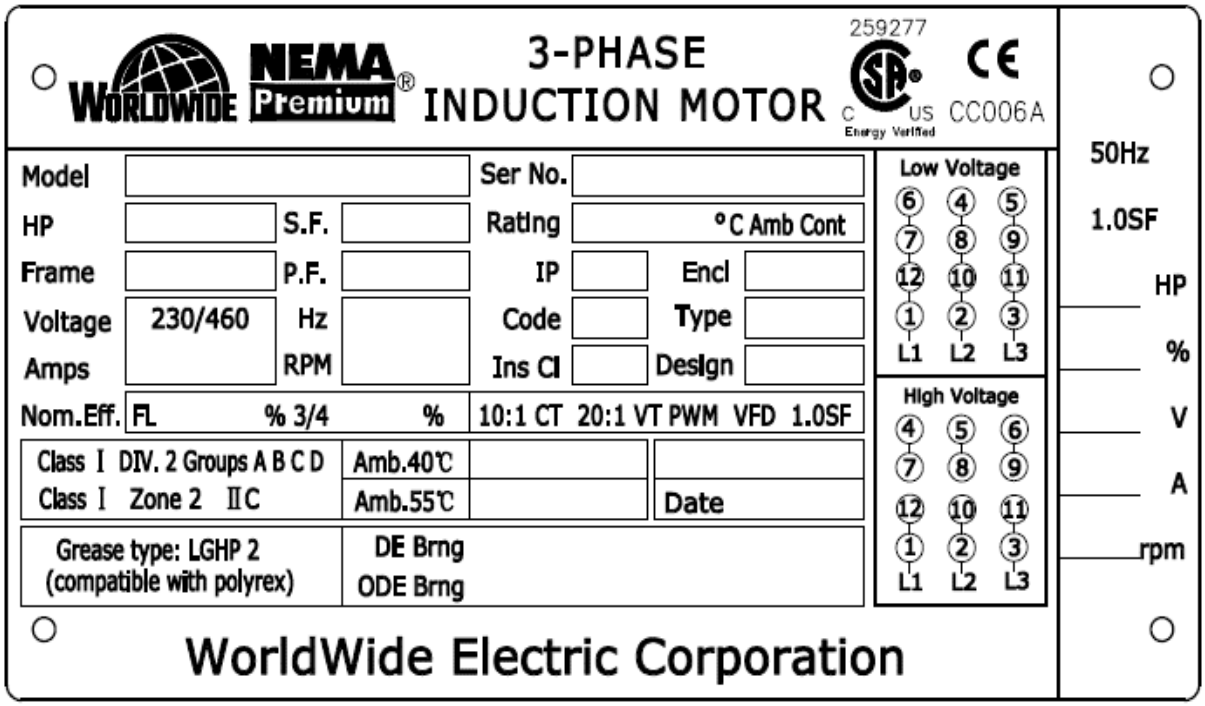
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SAMPLE NAMEPLATE DATA



Model	PEWWE150-12-445/7T						
HP	150	S.F.	1.25	IP	IP55	Encl	TEFC
Frame	445/7T	P.F.	0.82	Code	G	Type	
Voltage	230/460 V	Hz	60 Hz	Ins Cl	F	Ambient	40°C
Amps	358/179	RPM	1190	Design	B	DE Brng	NU319 C3
Nom.Eff.	FL 95.8%		3/4 95.9%			ODE Brng	6313 C3
Class 1 Division 2 Groups A,B,C,D T3A(180°C)						Grease type:	SKF LGHP 2

50Hz				
150 HP	200/400 V	418/209 A	990 rpm	94.3%

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