DATA SHEET

Premium Efficiency Motor: **PEWWE150-18-445TBB** **60 Hz**

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

Document Generated: 10-Oct-2024
Document ID:

Customer:

MOTOR INFORMATION

HP	150
RPM	1800
Phase	3
Frequency	60Hz
Voltage	230/460 V
Frame Size	445T
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	45.9 lb.ft.^2
Locked Rotor Time (Hot)	19 seconds
Sound Pressure Level	77 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	1570 lbs.

EFFICIENCY/POWER FACTOR

LOAD	EFF	P. F.
100%	95.8 %	0.84
75%	96.1 %	0.81
50%	95.9 %	0.73

TORQUE

FULL LOAD	LRT	BDT
440 lb.ft.	160 %	240 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	349A	175A
Locked Rotor Amps	2170A	1085A
No Load Current	116A	58A
Usable at 208V	386A	

BEARING INFORMATION

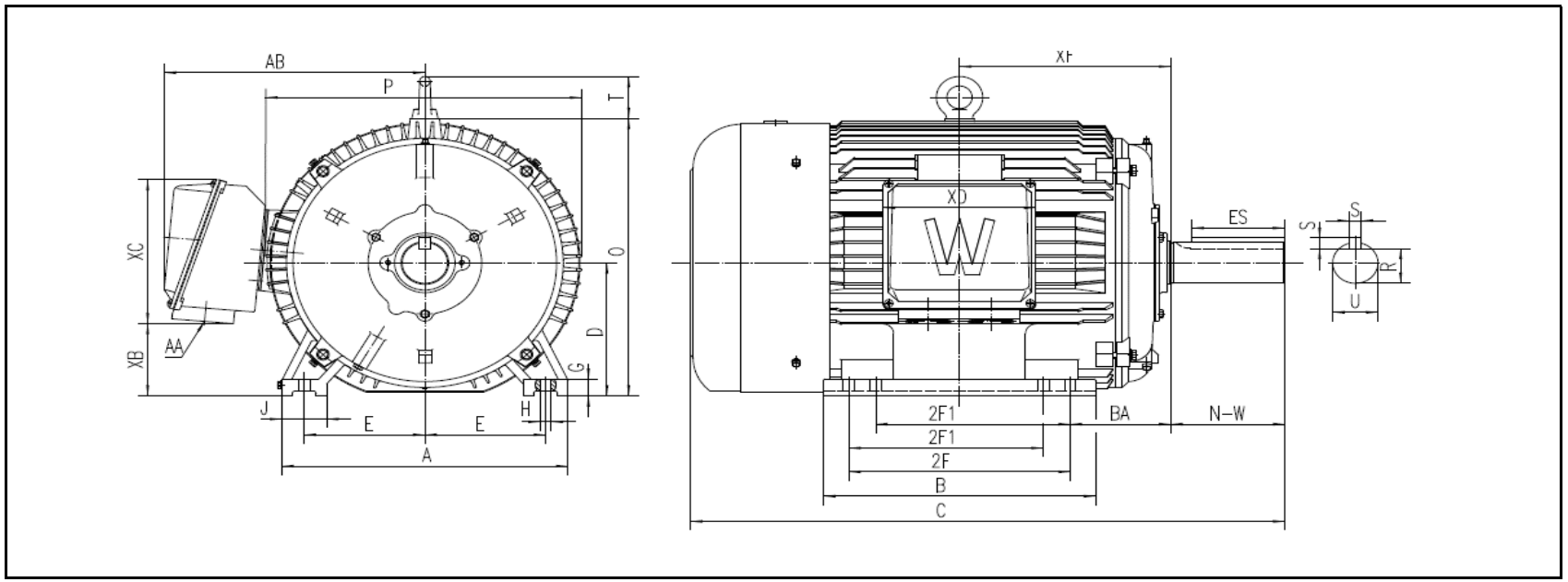
DE Bearing	6318 C3
ODE Bearing	6313 C3
Grease Type	SKF LGHP 2
DE Regreasing Interval	1500 Hours
ODE Regreasing Interval	3000 Hours

This document is the property of WorldWide Electric Corporation and may not be reproduced without express authorization

MOTOR DRAWING

Premium Efficiency Motor: **PEWWE150-18-445TBB**

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



DIMENSION - INCHES

MOUNTING					A	B	C	D	G	J	P	O	T	AB
E	2F1	2F	H	BA										
9	14.5	16.5	0.81	7.5	21.339	20.276	44.309	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	15.748

This document is the property of WorldWide Electric Corporation and may not be reproduced without express authorization

PERFORMANCE CURVES

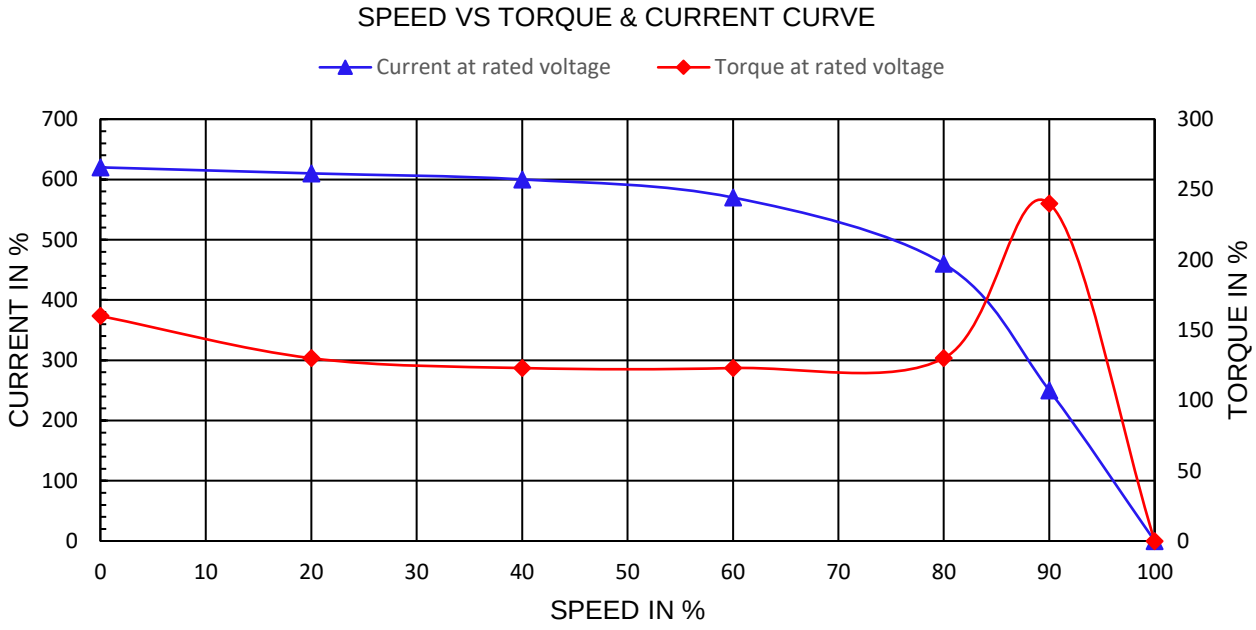
Premium Efficiency Motor: **PEWWE150-18-445TBB**

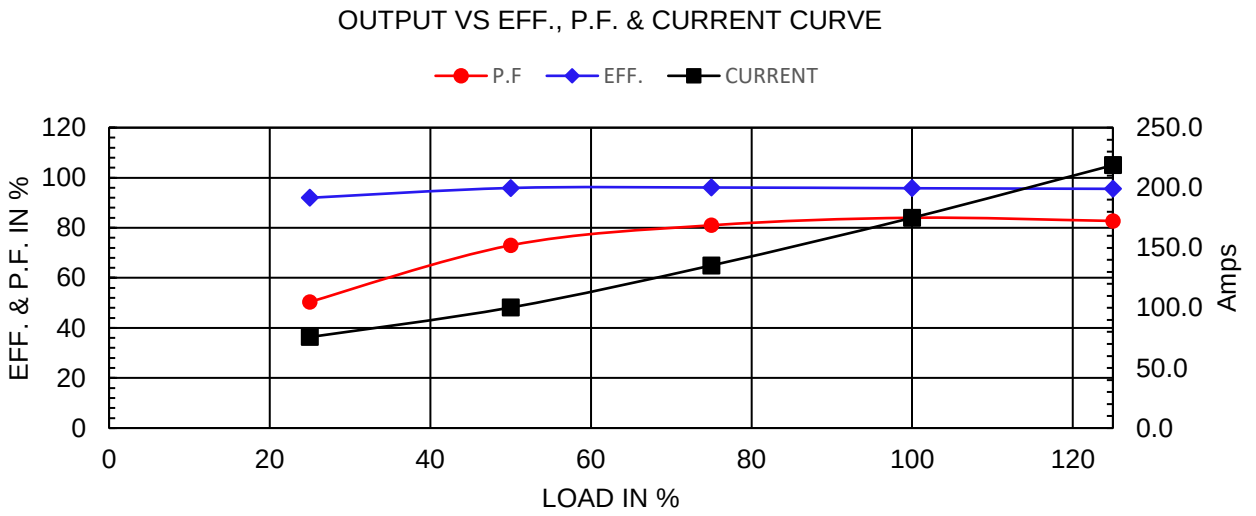
WorldWide Electric Corporation
1 (800) 808-2131
Worldwideelectric.net

Document Generated:	10-Oct-2024
Document ID:	

Customer:

Motor Type	PEWWE						
Output Rating (HP)	150		FL Speed	1790			
Full Load Torque	440	lb.ft	LRT (%FLT)	160	460 volt FLA	175	A
Rotor Wk^2	45.9	lb-ft^2	BDT (%FLT)	240	230 volt FLA	349	A





This document is the property of WorldWide Electric Corporation and may not be reproduced without express authorization.

NAMEPLATE / WIRING

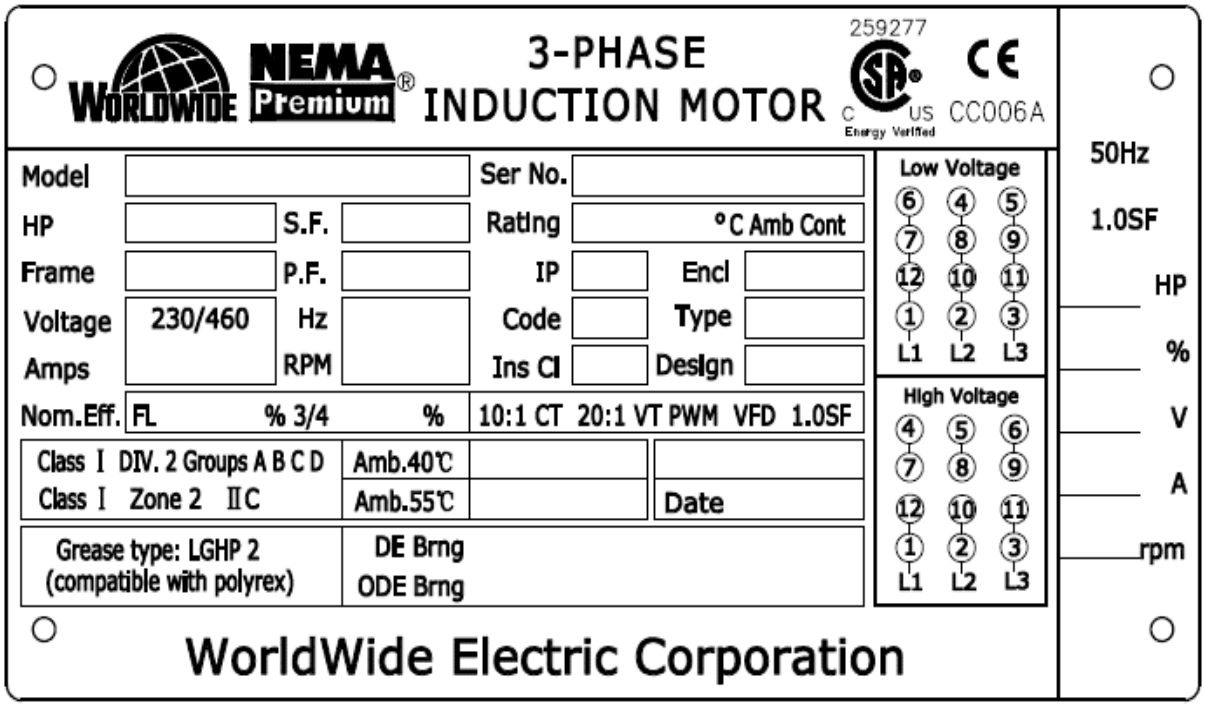
Premium Efficiency Motor: **PEWWE150-18-445TBB**

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

Document Generated:	10-Oct-2024
Document ID:	

Customer:

SAMPLE NAMEPLATE DATA



Model	PEWWE150-18-445TBB						
HP	150	S.F.	1.25	IP	IP55	Encl	TEFC
Frame	445T	P.F.	0.84	Code	G	Type	
Voltage	230/460 V	Hz	60Hz	Ins Cl	F	Ambient	40°C
Amps	349/175	RPM	1790	Design	B	DE Brng	6318 C3
Nom.Eff.	FL	95.8%	3/4	96.1%		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	407/203 A	1490 rpm	94.5%

This document is the property of WorldWide Electric Corporation and may not be reproduced without express authorization