

DATA SHEET

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

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



Document Generated: 31-Jul-2023
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Customer:

MOTOR INFORMATION	
HP	150
RPM	1800
Phase	3
Frequency	60 Hz
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

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	NU318 C3
ODE Bearing	6313 C3
Grease Type	SKF LGHP 2
DE Regreasing Interval	1500 Hours
ODE Regreasing Interval	3000 Hours

ADDITIONAL DATA	
F2 Suitable	Yes
Shaft Material	1045 Carbon Steel
Connection Diagram	230 / 460 V - 12 Lead Δ
Approximate Weight	1570 lbs.

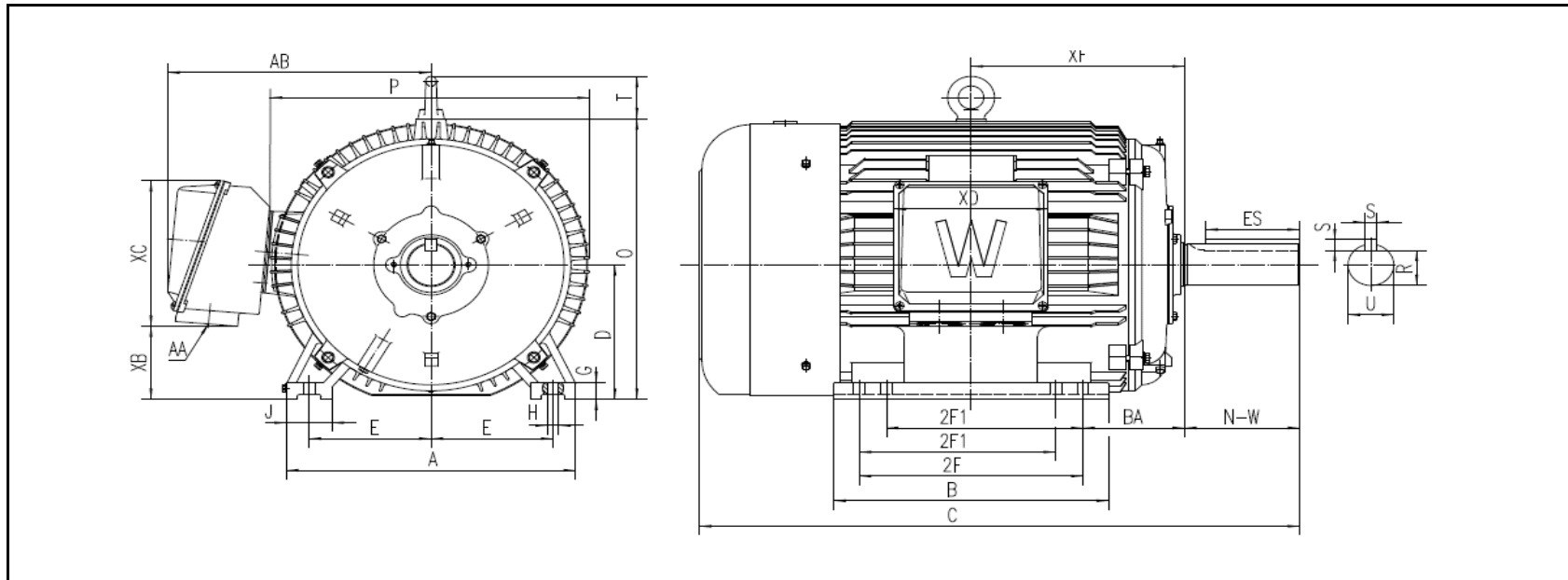
MOTOR DRAWING

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DIMENSION - INCHES

MOUNTING					A	B	C	D	G	J	P	O	T	AB
E	2F1	2F	H	BA										
9	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

PERFORMANCE CURVES

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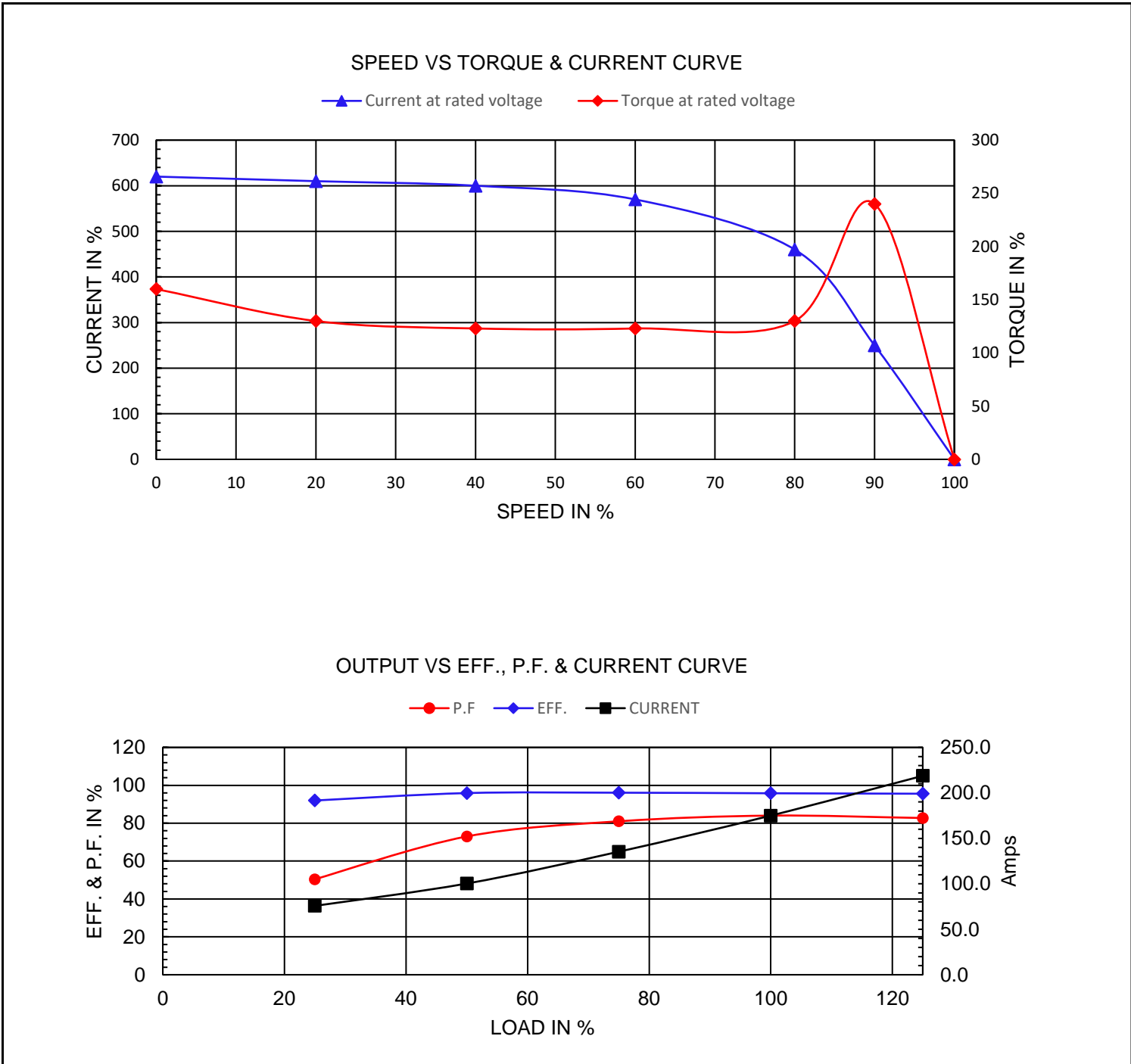
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Motor Type	PEWWE				
Output Rating (HP)	150	FL Speed	1790		
Full Load Torque	440 lb.ft	LRT (%FLT)	160	460 volt FLA	175 A
Rotor Wk ²	45.9 lb-ft ²	BDT (%FLT)	240	230 volt FLA	349 A



NAMEPLATE / WIRING

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SAMPLE NAMEPLATE DATA

				3-PHASE INDUCTION MOTOR		259277 	
Model		Ser No.		Low Voltage 6 4 5 7 8 9 12 10 11 1 2 3 L1 L2 L3		CC006A	
HP	S.F.	IP	Encl	High Voltage 4 5 6 7 8 9 12 10 11 1 2 3 L1 L2 L3			
Frame	P.F.	Code	Type				
Voltage	Hz	Ins Cl	Rating	°C Amb Cont			
Amps	RPM	Design	Date				
Nom.Eff.		% 3/4		% 230/460V		10:1 CT 20:1 VT PWM VFD 1.0SF	
Class I DIV. 2 Groups A B C D		Amb.40°C		DE Brng			
Class I Zone 2 IIC		Amb.55°C		ODE Brng			
				Grease type: LGHP 2 (compatible with polyrex)			
50Hz		HP	V	A	rpm	1.0SF	
WorldWide Electric Corporation							

Model	PEWWE150-18-445T						
HP	150	S.F.	1.25	IP	IP55	Encl	TEFC
Frame	445T	P.F.	0.84	Code	G	Type	
Voltage	230/460 V	Hz	60 Hz	Ins Cl	F	Ambient	40°C
Amps	349/175	RPM	1790	Design	B	DE Brng NU318 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		