

# DATA SHEET

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

**60 Hz**

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



Document Generated: 31-Jul-2023  
Document ID:

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 M/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.

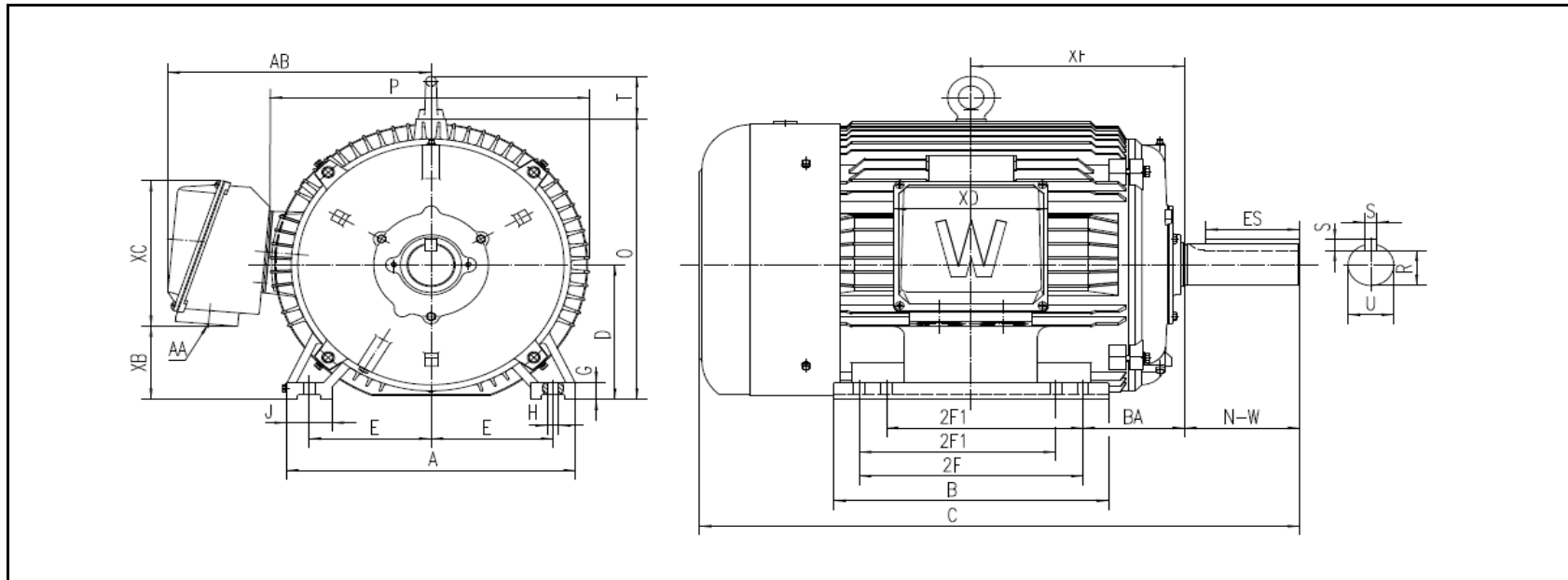
# MOTOR DRAWING

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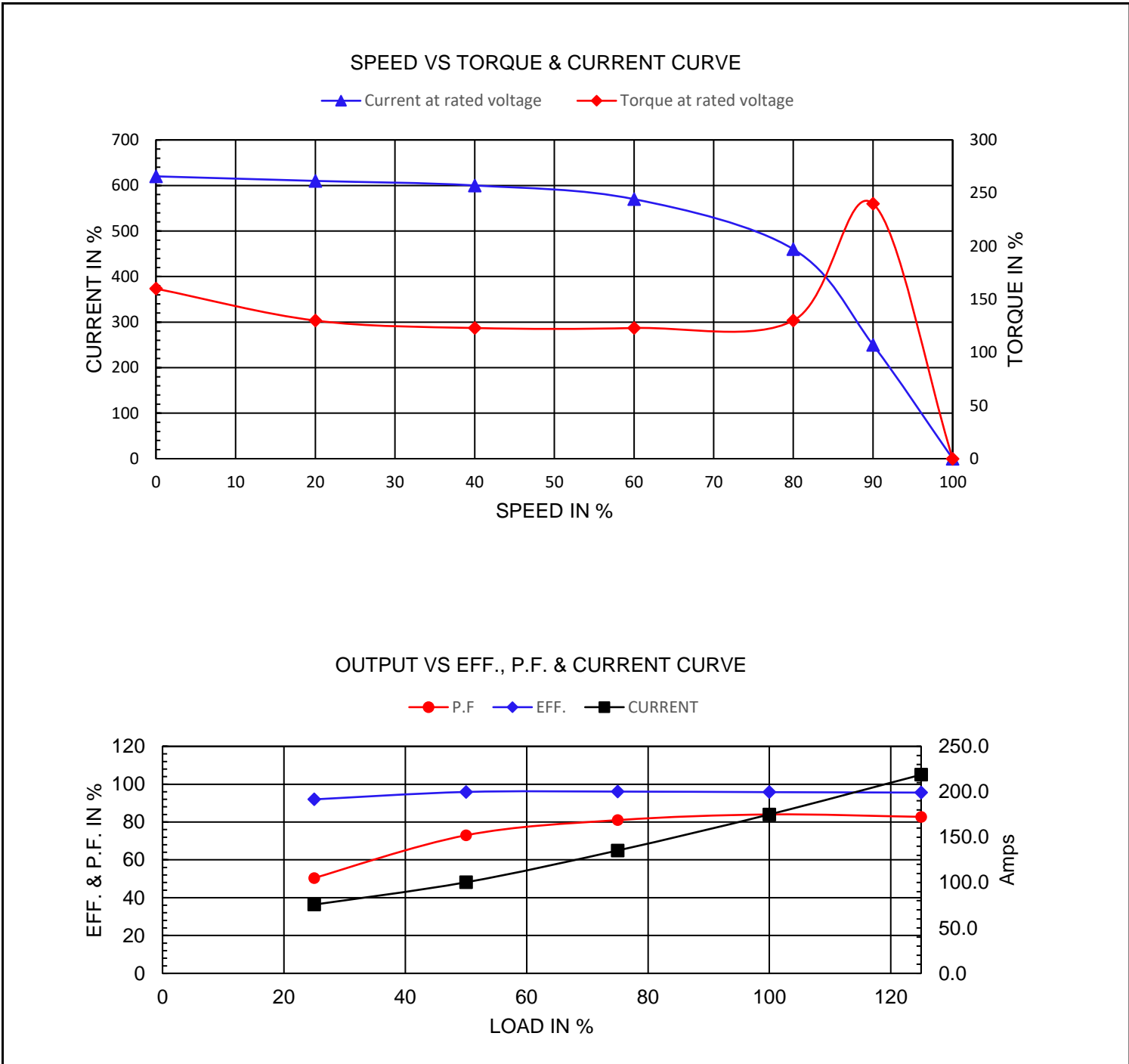
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Motor Type	PEWWE				
Output Rating (HP)	150	FL Speed	1790		
Full Load Torque	440 lb.ft	LRT (%FLT)	160	460 volt FLA	175 A
Rotor Wk <sup>2</sup>	45.9 lb-ft <sup>2</sup>	BDT (%FLT)	240	230 volt FLA	349 A



# NAMEPLATE / WIRING

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**PEWWE150-18-445T-IB**

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## SAMPLE NAMEPLATE DATA

				<b>3-PHASE INDUCTION MOTOR</b>		259277 	
Model <input type="text"/>		Ser No. <input type="text"/>		Low Voltage		CC006A	
HP <input type="text"/>	S.F. <input type="text"/>	IP <input type="text"/>	Encl <input type="text"/>	6 4 5 7 8 9 12 10 11 1 2 3 L1 L2 L3		High Voltage	
Frame <input type="text"/>	P.F. <input type="text"/>	Code <input type="text"/>	Type <input type="text"/>	4 5 6 7 8 9 12 10 11 1 2 3 L1 L2 L3		120V 240V 480V	
Voltage <input type="text"/>	Hz <input type="text"/>	Ins Cl <input type="text"/>	Rating <input type="text"/>	°C Amb Cont		10:1 CT 20:1 VT PWM VFD 1.0SF	
Amps <input type="text"/>	RPM <input type="text"/>	Design <input type="text"/>	Date <input type="text"/>	DE Brng		ODE Brng	
Nom.Eff. <input type="text"/>	FL <input type="text"/>	% 3/4 <input type="text"/>	% 230/460V <input type="text"/>	Grease type: LGHP 2 (compatible with polyrex)		Class I DIV. 2 Groups A B C D Class I Zone 2 IIC	
50Hz		HP	V	A	rpm	1.0SF	
WorldWide Electric Corporation							

Model	<input type="text" value="PEWWE150-18-445T-IB"/>						
HP	<input type="text" value="150"/>	S.F.	<input type="text" value="1.25"/>	IP	<input type="text" value="IP55"/>	Encl	<input type="text" value="TEFC"/>
Frame	<input type="text" value="445T"/>	P.F.	<input type="text" value="0.84"/>	Code	<input type="text" value="G"/>	Type	
Voltage	<input type="text" value="230/460 V"/>	Hz	<input type="text" value="60 Hz"/>	Ins Cl	<input type="text" value="F"/>	Ambient	<input type="text" value="40°C"/>
Amps	<input type="text" value="349/175"/>	RPM	<input type="text" value="1790"/>	Design	<input type="text" value="B"/>	DE Brng NU318 C3 ODE Brng 6313 M/C3	
Nom.Eff.	<input type="text" value="FL 95.8% 3/4 96.1%"/>			Grease type: SKF LGHP 2			
Class 1 Division 2 Groups A,B,C,D				T3A(180°C)			
50Hz	150 HP	200/400 V	407/203	A	1490 rpm		