

# DATA SHEET

Premium Efficiency Motor: **PEWWE250-36-449TS**

**60 Hz**

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



Document Generated: 31-Jul-2023  
Document ID:

Customer:

## MOTOR INFORMATION

HP	250
RPM	3600
Phase	3
Frequency	60Hz
Voltage	460 V
Frame Size	449TS
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.15
Poles	2
Full Load Speed	3585
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	G
Duty Cycle	S1 / Continuous
Slip	0.42%
NEMA Design	B
Moment of Inertia	37.7 lb.ft.^2
Locked Rotor Time (Hot)	19 seconds
Sound Pressure Level	88 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 T3(200°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 %	0.91
75%	95.8 %	0.89
50%	94.5 %	0.86

## TORQUE

FULL LOAD	LRT	BDT
366 lb.ft.	200 %	250 %

## AMPERAGE INFORMATION

	230V	460V
Full Load Amps	--A	269A
Locked Rotor Amps	--A	1825A
No Load Current	--A	59A
Usable at 208V	--A	

## BEARING INFORMATION

DE Bearing	6314 C3
ODE Bearing	6314 C3
Grease Type	SKF LGHP 2
DE Regreasing Interval	1800 Hours
ODE Regreasing Interval	1800 Hours

## ADDITIONAL DATA

F2 Suitable	Yes
Shaft Material	1045 Carbon Steel
Connection Diagram	460 V - 6 Lead Δ
Approximate Weight	2200 lbs.

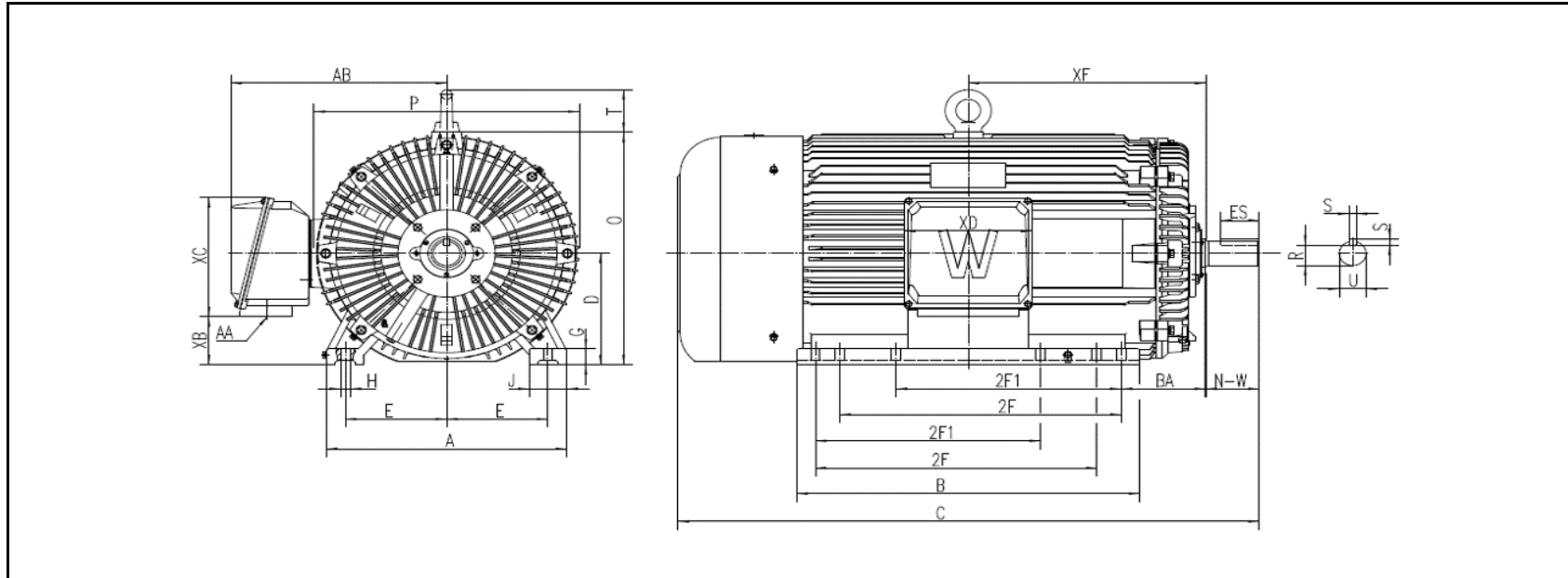
# MOTOR DRAWING

Premium Efficiency Motor: **PEWWE250-36-449TS**

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## DIMENSION - INCHES

MOUNTING					A	B	C	D	G	J	P	O	T	AB
E	2F1	2F	H	BA										
9	20	25	0.81	7.5	21.339	30.472	51.618	11	1.575	3.346	23.554	22.969	4.213	19.171

SHAFT & KEY				
S	ES	R	N-W	U
0.625	3.03	2.021	4.75	2.375

TERMINAL BOX				
AA	XB	XC	XD	XF
2 X 3	4.74	11.813	11.339	21.087

# PERFORMANCE CURVES

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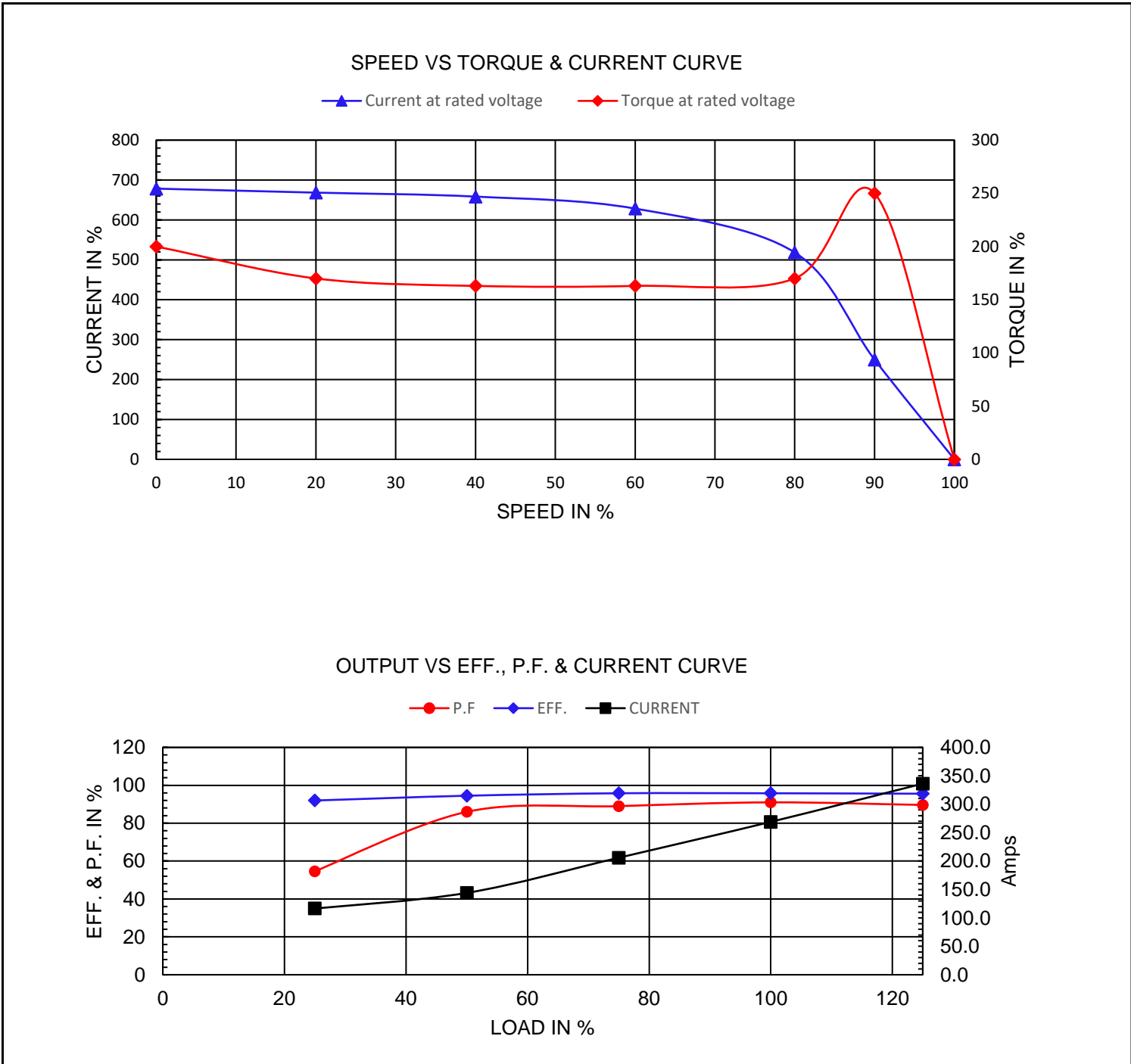
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**PEWWE250-36-449TS**

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Motor Type	PEWWE				
Output Rating (HP)	250	FL Speed	3585		
Full Load Torque	366 lb.ft	LRT (%FLT)	200	460 volt FLA	269 A
Rotor Wk <sup>2</sup>	37.7 lb-ft <sup>2</sup>	BDT (%FLT)	250	230 volt FLA	-- A



# NAMEPLATE / WIRING

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Premium Efficiency Motor:

**PEWWE250-36-449TS**

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## SAMPLE NAMEPLATE DATA

		<b>NEMA Premium</b>		<b>3-PHASE INDUCTION MOTOR</b>		259277												
Model	<input type="text"/>	Ser No.	<input type="text"/>		Connection													
HP	<input type="text"/>	S.F.	<input type="text"/>	IP	<input type="text"/>	Encl	<input type="text"/>											
Frame	<input type="text"/>	P.F.	<input type="text"/>	Code	<input type="text"/>	Type	<input type="text"/>											
Voltage	<input type="text"/>	Hz	<input type="text"/>	Ins Cl	<input type="text"/>	Rating	<input type="text"/>											
Amps	<input type="text"/>	RPM	<input type="text"/>	Design	<input type="text"/>	Date	<input type="text"/>											
Nom.Eff.	<input type="text"/>	FL	<input type="text"/>	% 3/4	<input type="text"/>	%	<input type="text"/>	V	<input type="text"/>	10:1 CT	<input type="text"/>	20:1 VT	<input type="text"/>	PWM	<input type="text"/>	VFD	<input type="text"/>	1.0SF
Class I DIV. 2 Groups A B C D				Amb.40°C														
DE Brng				Grease type: LGHP 2														
ODE Brng				(compatible with polyrex)														
<b>WorldWide Electric Corporation</b>																		

Model	<input type="text" value="PEWWE250-36-449TS"/>																		
HP	<input type="text" value="250"/>	S.F.	<input type="text" value="1.15"/>	IP	<input type="text" value="IP55"/>	Encl	<input type="text" value="TEFC"/>												
Frame	<input type="text" value="449TS"/>	P.F.	<input type="text" value="0.91"/>	Code	<input type="text" value="G"/>	Type													
Voltage	<input type="text" value="460 V"/>	Hz	<input type="text" value="60Hz"/>	Ins Cl	<input type="text" value="F"/>	Ambient	<input type="text" value="40°C"/>												
Amps	<input type="text" value="269"/>	RPM	<input type="text" value="3585"/>	Design	<input type="text" value="B"/>	DE Brng 6314 C3						ODE Brng 6314 C3							
Nom.Eff.	<input type="text" value="FL"/>	<input type="text" value="95.8%"/>	<input type="text" value="3/4"/>	<input type="text" value="95.8%"/>	Grease type: SKF LGHP 2														
Class 1 Division 2 Groups A,B,C,D				T3(200°C)															
50Hz	--	HP	--	--	A	--	rpm												