

# DATA SHEET

Premium Efficiency Motor: **PEWWE400-12-586/7UZ-IB**

**60 Hz**

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Customer:

MOTOR INFORMATION	
HP	400
RPM	1200
Phase	3
Frequency	60Hz
Voltage	460 V
Frame Size	586/7UZ
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.15
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	275 lb.ft.^2
Locked Rotor Time (Hot)	14 seconds
Sound Pressure Level	78 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 %	0.87
75%	96.0 %	0.85
50%	95.8 %	0.78

TORQUE		
FULL LOAD	LRT	BDT
1765 lb.ft.	190 %	260 %

AMPERAGE INFORMATION		
	230V	460V
Full Load Amps	--A	449A
Locked Rotor Amps	--A	2900A
No Load Current	--A	137A
Usable at 208V	--A	

BEARING INFORMATION	
DE Bearing	NU326 C3
ODE Bearing	6324 M/C3
Grease Type	SKF LGHP 2
DE Regreasing Interval	1500 Hours
ODE Regreasing Interval	2200 Hours

ADDITIONAL DATA	
F2 Suitable	Yes
Shaft Material	4140 Carbon Steel
Connection Diagram	460 V - 6 Lead Δ
Approximate Weight	4707 lbs.



# PERFORMANCE CURVES

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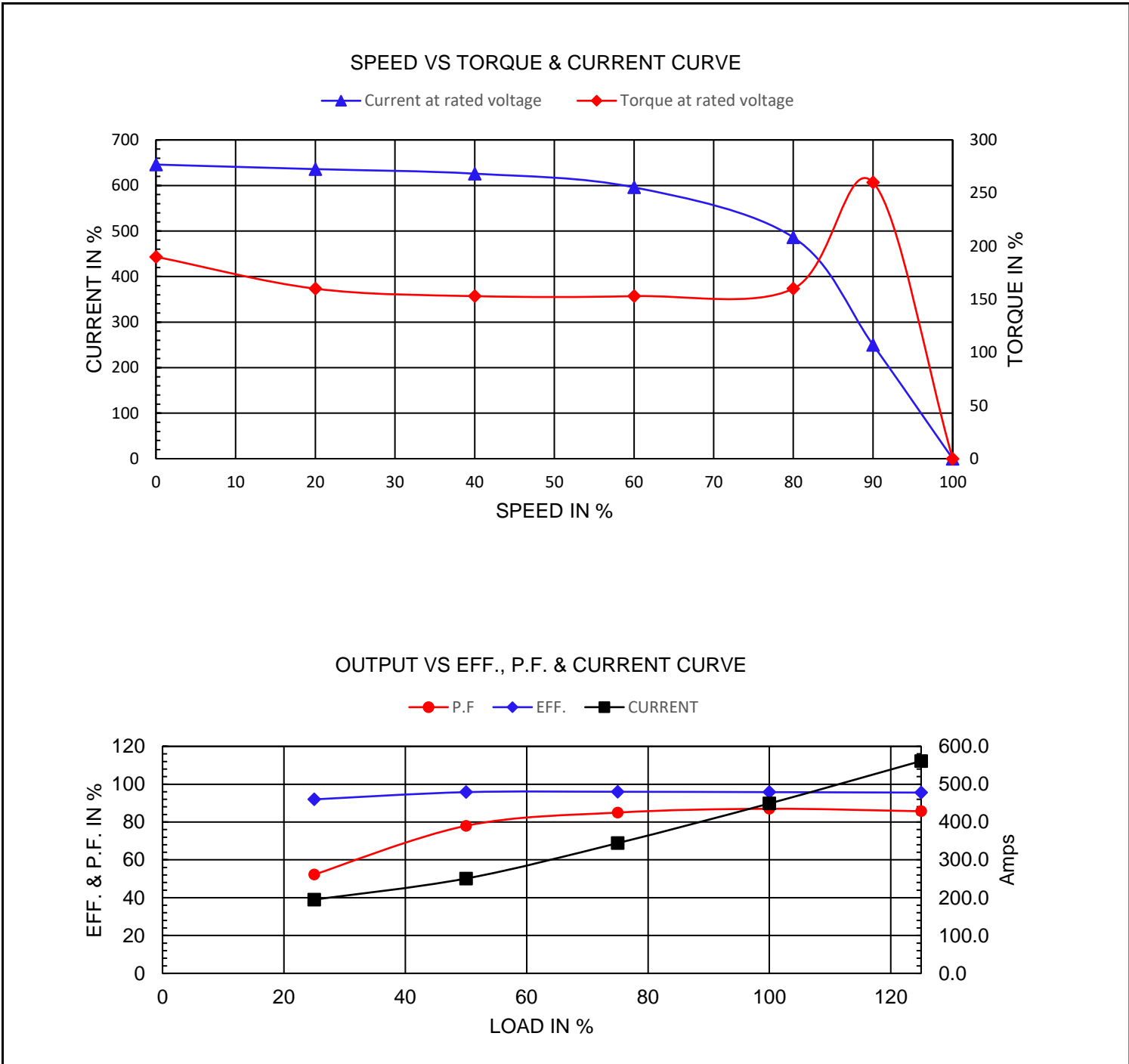
Premium Efficiency Motor:

**PEWWE400-12-586/7UZ-IB**

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Motor Type	PEWWE		FL Speed	1190	
Output Rating (HP)	400		LRT (%FLT)	190	460 volt FLA 449 A
Full Load Torque	1765 lb.ft		BDT (%FLT)	260	230 volt FLA -- A
Rotor Wk^2	275 lb-ft^2				



# NAMEPLATE / WIRING

Premium Efficiency Motor:

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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.	FL	% 3/4	<input type="text"/>	%	<input type="text"/>	V	<input type="text"/>	10:1 CT 20:1 VT PWM VFD 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="PEWWE400-12-586/7UZ-IB"/>								
HP	<input type="text" value="400"/>	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="586/7UZ"/>	P.F.	<input type="text" value="0.87"/>	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="449"/>	RPM	<input type="text" value="1190"/>	Design	<input type="text" value="B"/>	DE Brng NU326 C3			
Nom.Eff.	<input type="text" value="FL 95.8% 3/4 96.0%"/>					ODE Brng 6324 M/C3			
Class 1 Division 2 Groups A,B,C,D T3(200°C)						Grease type: SKF LGHP 2			
50Hz	#N/A	HP	#N/A	#N/A	A	#N/A rpm			