

# DATA SHEET

Premium Efficiency Motor: **PEWWE30-12-326T**

**60 Hz**

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Customer:

## MOTOR INFORMATION

HP	30
RPM	1200
Phase	3
Frequency	60 Hz
Voltage	230/460 V
Frame Size	326T
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	6
Full Load Speed	1185
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	G
Duty Cycle	S1 / Continuous
Slip	1.25%
NEMA Design	B
Moment of Inertia	8.45 lb.ft.^2
Locked Rotor Time (Hot)	14 seconds
Sound Pressure Level	70 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 T3C(160°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%	93.0 %	0.78
75%	93.3 %	0.75
50%	92.9 %	0.64

## TORQUE

FULL LOAD	LRT	BDT
133 lb.ft.	150 %	210 %

## AMPERAGE INFORMATION

	230V	460V
Full Load Amps	77.4A	38.7A
Locked Rotor Amps	435A	217.5A
No Load Current	34A	17A
Usable at 208V	85.6A	

## BEARING INFORMATION

DE Bearing	6312 C3
ODE Bearing	6311 C3
Grease Type	SKF LGHP 2
DE Regreasing Interval	6000 Hours
ODE Regreasing Interval	6000 Hours

## ADDITIONAL DATA

F2 Suitable	Yes
Shaft Material	1045 Carbon Steel
Connection Diagram	230 / 460 V - 12 Lead Δ
Approximate Weight	534 lbs.

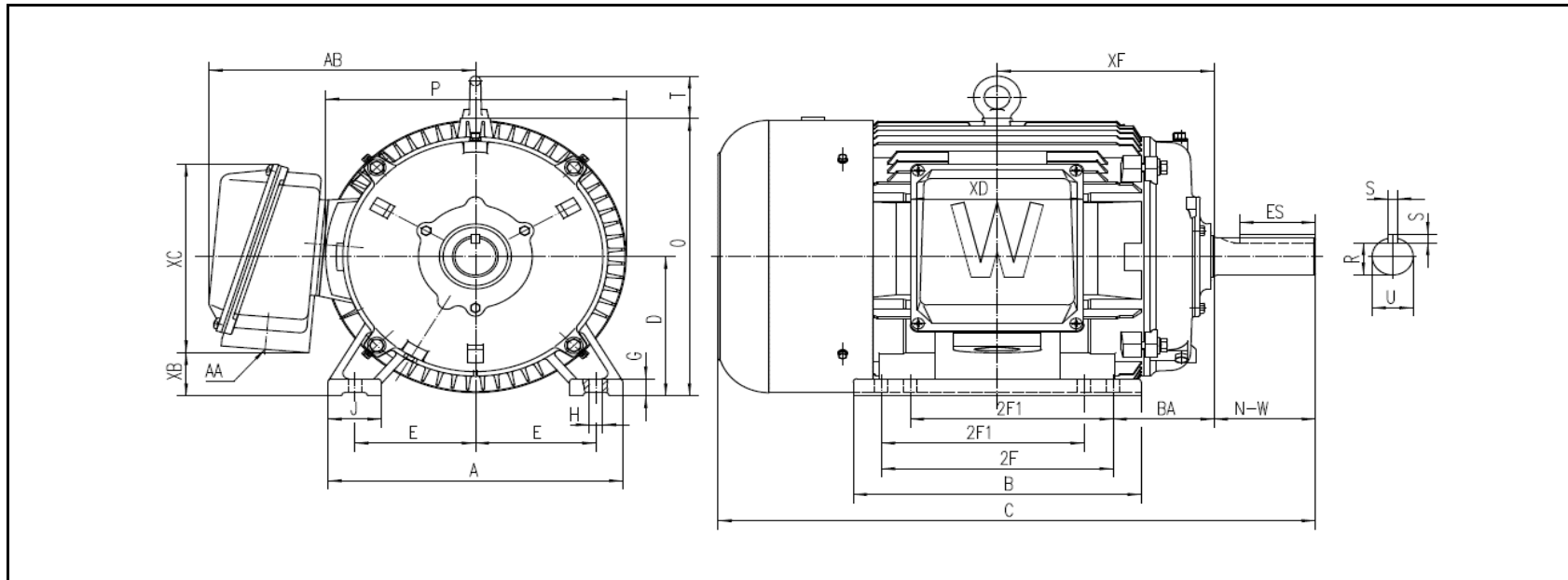
# MOTOR DRAWING

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## DIMENSION - INCHES

MOUNTING					A	B	C	D	G	J	P	O	T	AB
E	2F1	2F	H	BA										
6.25	10.5	12	0.66	5.25	15.276	14.921	30.967	8	0.984	2.756	15.571	15.913	2.441	13.813

SHAFT & KEY				
S	ES	R	N-W	U
0.5	3.91	1.845	5.25	2.125

TERMINAL BOX				
AA	XB	XC	XD	XF
2	2.471	10.826	8.976	11.248

# PERFORMANCE CURVES

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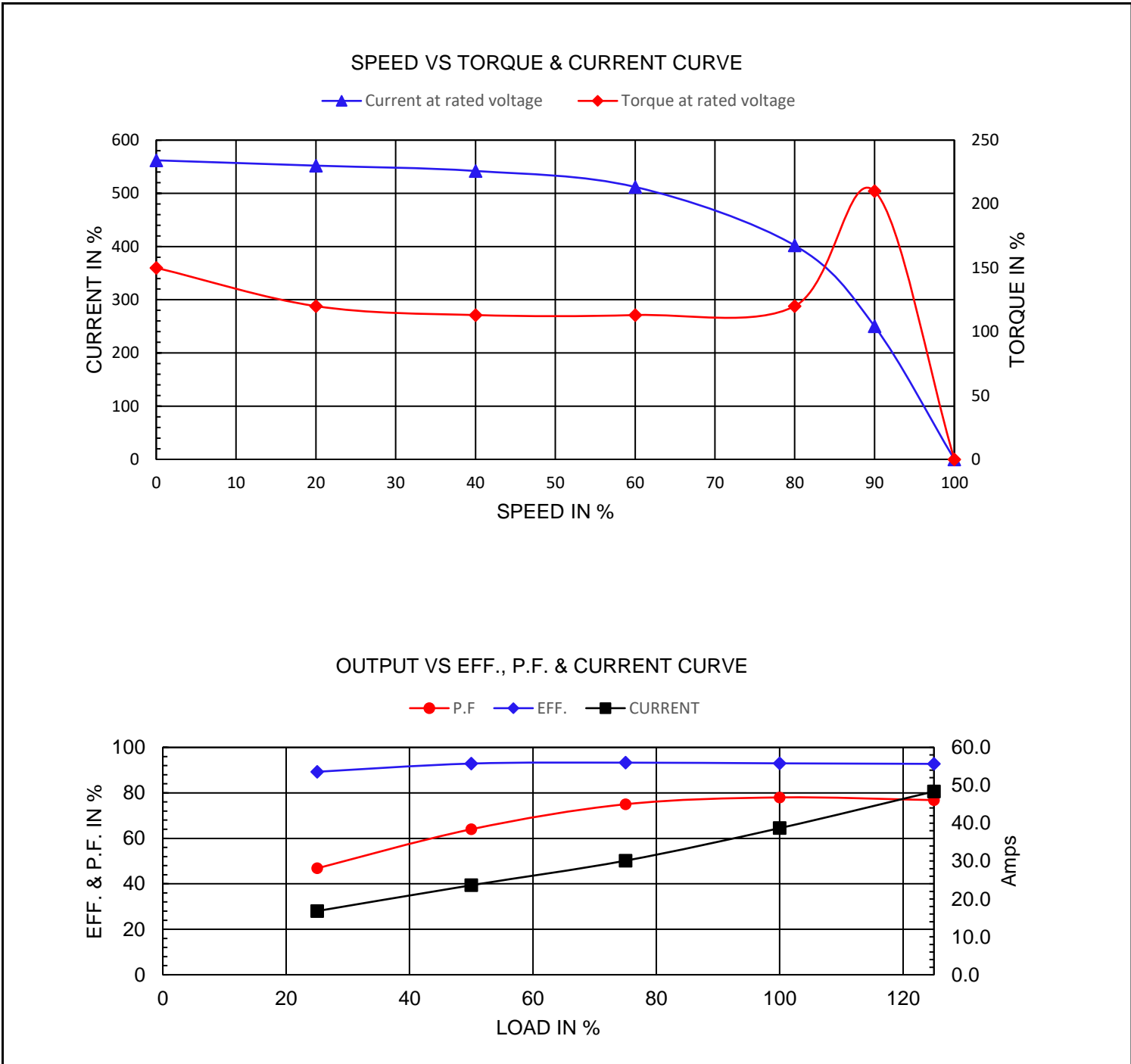
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Motor Type	PEWWE		FL Speed	1185		
Output Rating (HP)	30		LRT (%FLT)	150	460 volt FLA	38.7 A
Full Load Torque	133 lb.ft		BDT (%FLT)	210	230 volt FLA	77.4 A
Rotor Wk <sup>2</sup>	8.45 lb-ft <sup>2</sup>					



# NAMEPLATE / WIRING

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## SAMPLE NAMEPLATE DATA

		<b>NEMA Premium</b>		<b>3-PHASE INDUCTION MOTOR</b>		259277 	 CC006A
Model	<input type="text"/>	Ser No.	<input type="text"/>				
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	230/460	Hz	<input type="text"/>	Ins Cl	<input type="text"/>	Rating	°C Amb Cont
Amps	<input type="text"/>	RPM	<input type="text"/>	Design	<input type="text"/>	Date	<input type="text"/>
Nom.Eff.	FL	% 3/4	% 230/460 V	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	

Model	<input type="text" value="PEWWE30-12-326T"/>						
HP	<input type="text" value="30"/>	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="326T"/>	P.F.	<input type="text" value="0.78"/>	Code	<input type="text" value="G"/>	Type	<input type="text"/>
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="77.4/38.7"/>	RPM	<input type="text" value="1185"/>	Design	<input type="text" value="B"/>	DE Brng 6312 C3	
Nom.Eff.	<input type="text" value="FL 93.0% 3/4 93.3%"/>			ODE Brng 6311 C3			
Class 1 Division 2 Groups A,B,C,D					T3C(160°C)		
							Grease type: SKF LGHP 2
50Hz	30 HP	200/400 V	91.1/45.6 A	985 rpm			