

# DATA SHEET

Premium Efficiency Motor: **PEWWE25-12-324TC**

**60 Hz**

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Customer:

## MOTOR INFORMATION

HP	25
RPM	1200
Phase	3
Frequency	60Hz
Voltage	230/460 V
Frame Size	324TC
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	7.31 lb.ft.^2
Locked Rotor Time (Hot)	15 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 %	0.77
75%	93.4 %	0.72
50%	92.9 %	0.61

## TORQUE

FULL LOAD	LRT	BDT
111 lb.ft.	160 %	210 %

## AMPERAGE INFORMATION

	230V	460V
Full Load Amps	65.4A	32.7A
Locked Rotor Amps	365A	182.5A
No Load Current	31A	15.5A
Usable at 208V	72.3A	

## 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	481 lbs.

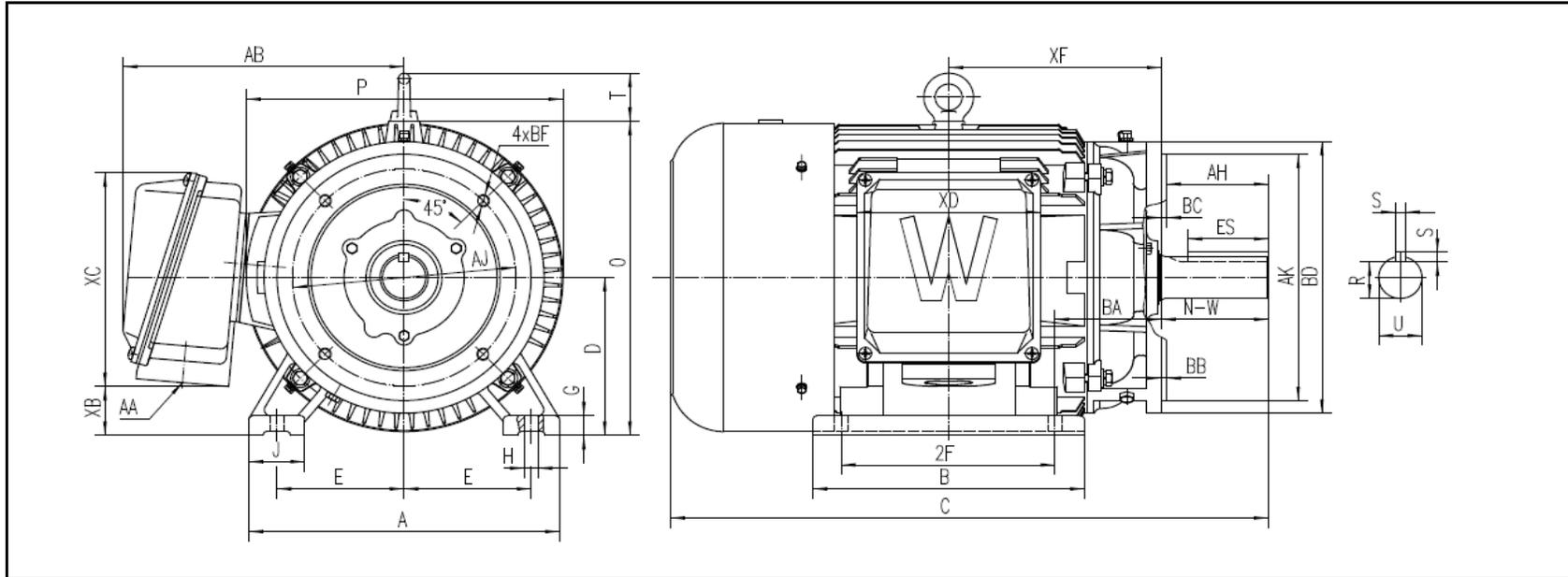
# MOTOR DRAWING

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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	0.66	5.25	15.276	13.346	29.392	8	0.984	2.756	15.751	15.913	2.441	13.813

SHAFT & KEY					
S	ES	R	N-W	AH	U
0.5	3.91	1.845	5.25	5	2.125

TERMINAL BOX				
AA	XB	XC	XD	XF
2	2.471	10.826	8.976	10.461

FLANGE					
AJ	AK	BB	BD	BF	BC
11	12.5	0.25	13.78	5/8-11	0.25

# PERFORMANCE CURVES

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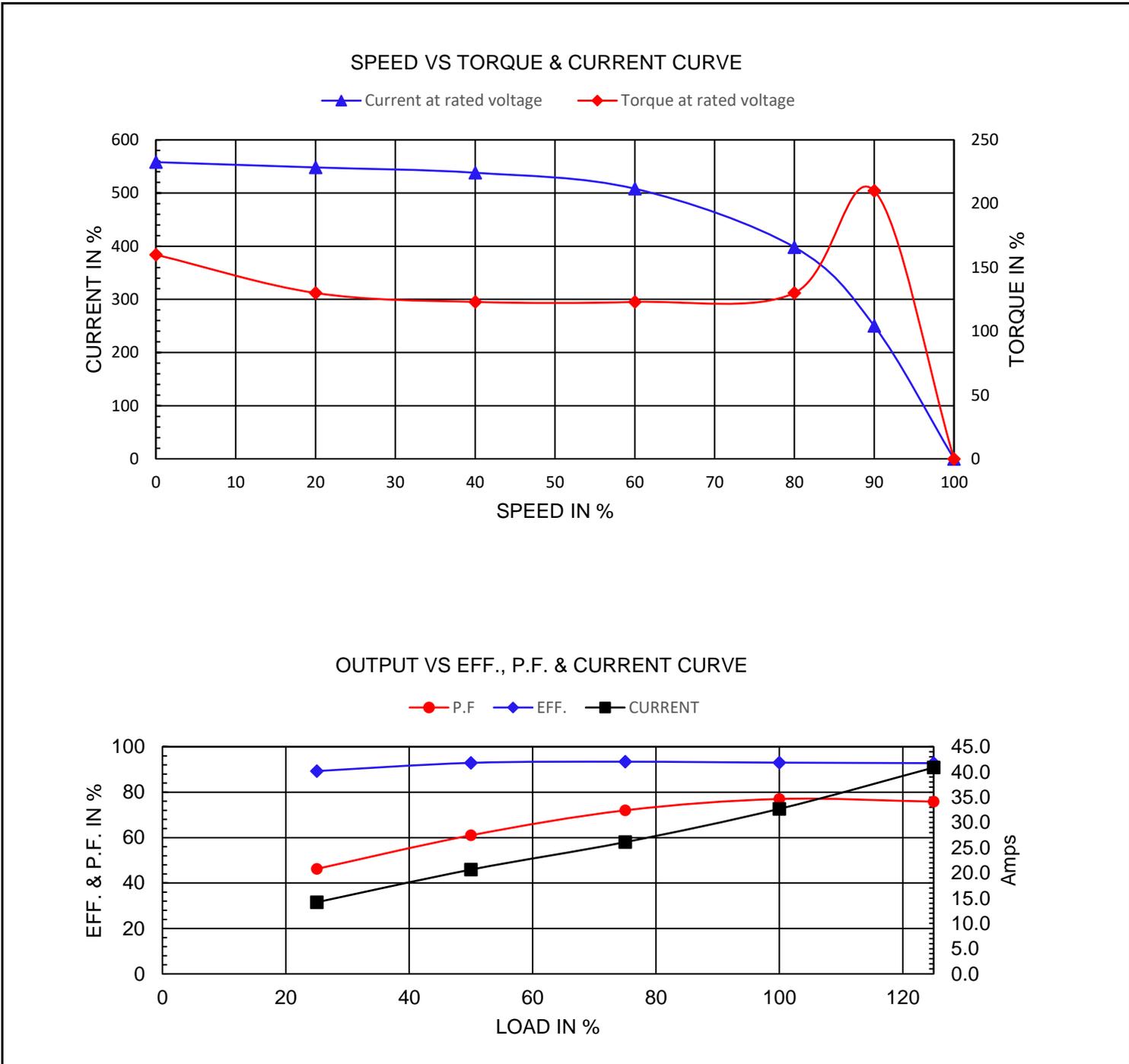
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Motor Type	PEWWE		FL Speed	1185		
Output Rating (HP)	25		LRT (%FLT)	160	460 volt FLA	32.7
Full Load Torque	111	lb.ft	BDT (%FLT)	210	230 volt FLA	65.4
Rotor Wk <sup>2</sup>	7.31	lb-ft <sup>2</sup>				



# NAMEPLATE / WIRING

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## SAMPLE NAMEPLATE DATA

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

Model	PEWWE25-12-324TC						
HP	25	S.F.	1.25	IP	IP55	Encl	TEFC
Frame	324TC	P.F.	0.77	Code	G	Type	
Voltage	230/460 V	Hz	60Hz	Ins Cl	F	Ambient	40°C
Amps	65.4/32.7	RPM	1185	Design	B	DE Brng	6312 C3
Nom. Eff.	FL	93.0%	3/4	93.4%		ODE Brng	6311 C3
Class 1 Division 2 Groups A,B,C,D						T3C(160°C)	
						Grease type: SKF LGHP 2	
50Hz							
25 HP		200/400 V		77.3/38 A		985 rpm	
Eff. 90.4%							