

# DATA SHEET

Premium Efficiency Motor: **PEWWE50-36-326JP**

**60 Hz**

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Customer:

## MOTOR INFORMATION

HP	50
RPM	3600
Phase	3
Frequency	60 Hz
Voltage	230/460 V
Frame Size	326JP
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	2
Full Load Speed	3545
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	G
Duty Cycle	S1 / Continuous
Slip	1.53%
NEMA Design	B
Moment of Inertia	3.42 lb.ft.^2
Locked Rotor Time (Hot)	18 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
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 %	0.89
75%	93.4 %	0.86
50%	93.1 %	0.8

## TORQUE

FULL LOAD	LRT	BDT
74 lb.ft.	180 %	260 %

## AMPERAGE INFORMATION

	230V	460V
Full Load Amps	113A	56.6A
Locked Rotor Amps	725A	362.5A
No Load Current	30.2A	15.1A
Usable at 208V	125A	

## BEARING INFORMATION

DE Bearing	6312 C3
ODE Bearing	6311 C3
Grease Type	SKF LGHP 2
DE Regreasing Interval	2400 Hours
ODE Regreasing Interval	2400 Hours

## ADDITIONAL DATA

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

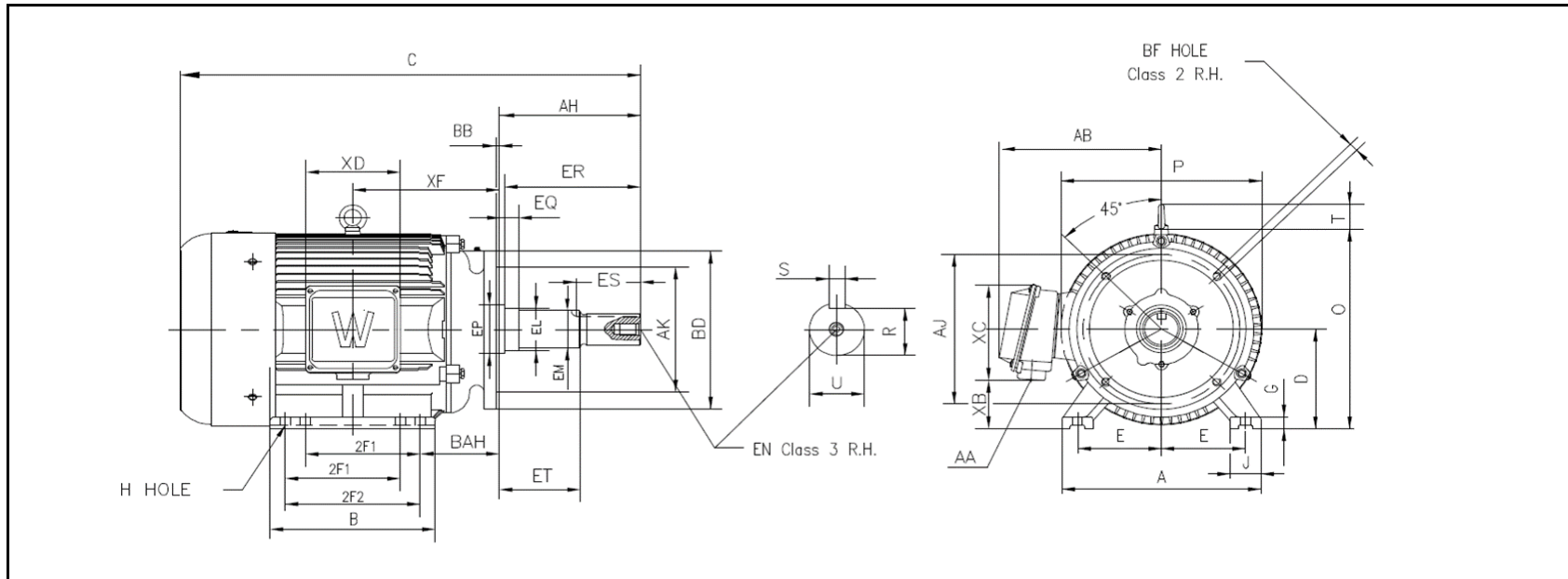
# MOTOR DRAWING

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## DIMENSION - INCHES

MOUNTING					A	B	C	D	G	J	P	O	T	AB
E	2F1	2F	H	BAH										
6.25	10.5	12	0.66	5.5	16	15	34.5	8	0.99	2.8	15.7	16	2.44	14.5

SHAFT & KEY												
S	ES	R	AH	EQ	ET	EM	EL	EP	ER	EN	U	
0.252	2.56	1.112	8.125	2.375	5.875	1.375	1.75	2.36	8.34	1/2-13	1.249	

FLANGE				
AJ	AK	BB	BD	BF
11	12.5	0.275	13.8	5/8-11

TERMINAL BOX				
AA	XB	XC	XD	XF
2	2.4	10.8	9	11.5

# PERFORMANCE CURVES

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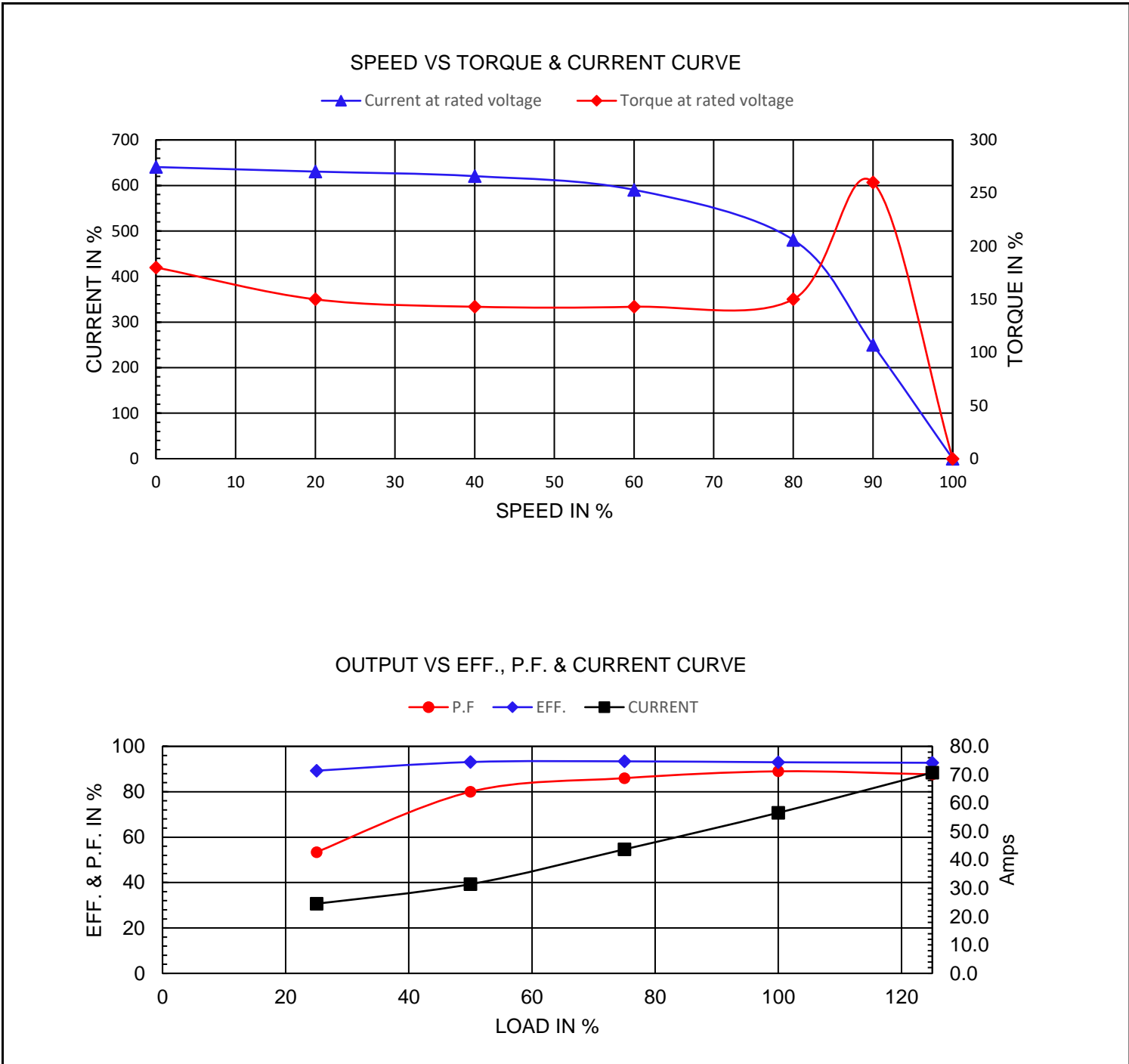
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Motor Type	PEWWE		FL Speed	3545	
Output Rating (HP)	50		LRT (%FLT)	180	460 volt FLA 56.6
Full Load Torque	74	lb.ft	BDT (%FLT)	260	230 volt FLA 113
Rotor Wk^2	3.42	lb-ft^2			



# NAMEPLATE / WIRING

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## SAMPLE NAMEPLATE DATA

		<b>NEMA Premium</b>		<b>3-PHASE INDUCTION MOTOR</b>						CC006A	
Model				Ser No.				<b>Low Voltage</b> 6 4 5 7 8 9 12 10 11 1 2 3 L1 L2 L3			
HP		S.F.		IP		Encl					
Frame		P.F.		Code		Type					
Voltage	230/460	Hz		Ins Cl		Rating	°C Amb Cont				
Amps		RPM		Design		Date					
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	PEWWE50-36-326JP										
HP	50	S.F.	1.25	IP	IP55	Encl	TEFC				
Frame	326JP	P.F.	0.89	Code	G	Type					
Voltage	230/460 V	Hz	60 Hz	Ins Cl	F	Ambient	40°C				
Amps	113/56.6	RPM	3545	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	50 HP	200/400 V	131/65.4	A	2945 rpm						