

# DATA SHEET

Premium Efficiency Motor: **PEWWE50-18-326JM**

**60 Hz**

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Customer:

## MOTOR INFORMATION

HP	50
RPM	1800
Phase	3
Frequency	60Hz
Voltage	230/460 V
Frame Size	326JM
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	4
Full Load Speed	1775
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	G
Duty Cycle	S1 / Continuous
Slip	1.40%
NEMA Design	B
Moment of Inertia	6.89 lb.ft.^2
Locked Rotor Time (Hot)	12 seconds
Sound Pressure Level	72 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%	94.5 %	0.86
75%	94.9 %	0.82
50%	94.7 %	0.73

## TORQUE

FULL LOAD	LRT	BDT
148 lb.ft.	160 %	260 %

## AMPERAGE INFORMATION

	230V	460V
Full Load Amps	115A	57.6A
Locked Rotor Amps	725A	362.5A
No Load Current	42A	21A
Usable at 208V	127A	

## BEARING INFORMATION

DE Bearing	6312 C3
ODE Bearing	6311 C3
Grease Type	SKF LGHP 2
DE Regreasing Interval	4000 Hours
ODE Regreasing Interval	4000 Hours

## ADDITIONAL DATA

F2 Suitable	Yes
Shaft Material	1045 Carbon Steel
Connection Diagram	230 / 460 V - 12 Lead Δ
Approximate Weight	578 lbs.

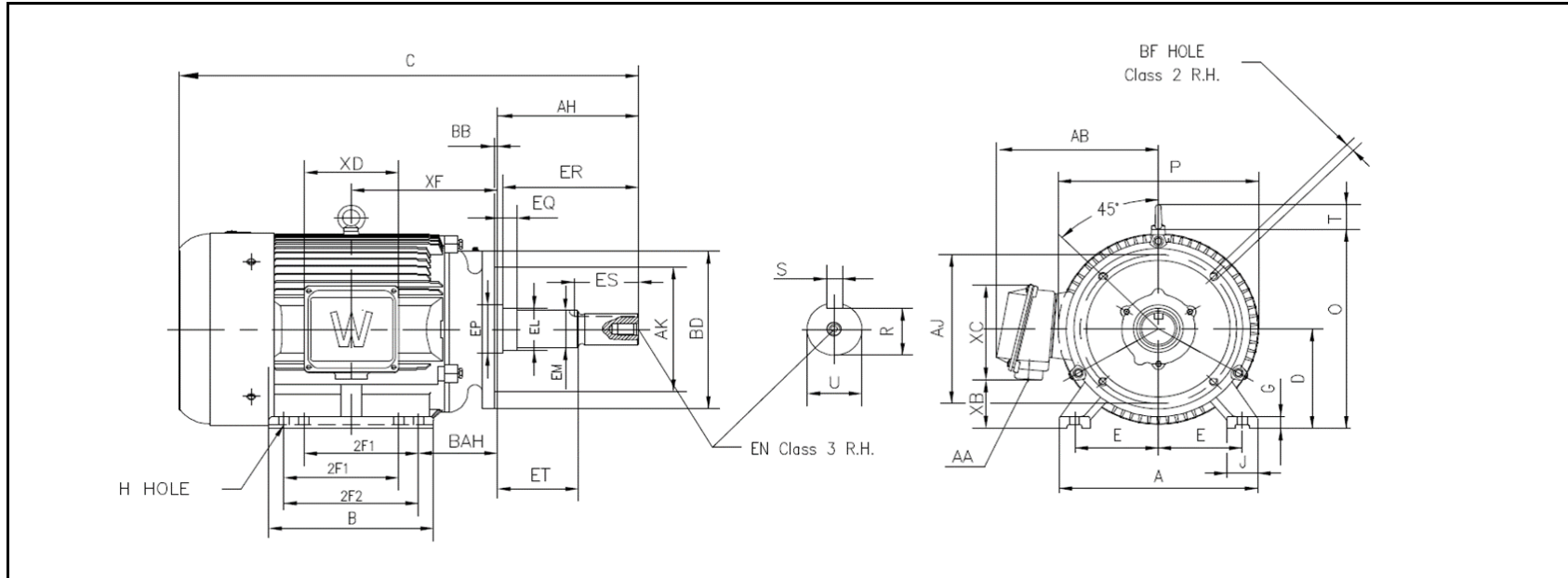
# MOTOR DRAWING

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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	31.5	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	5.25	0.625	3	1.375	1.75	2.36	5.47	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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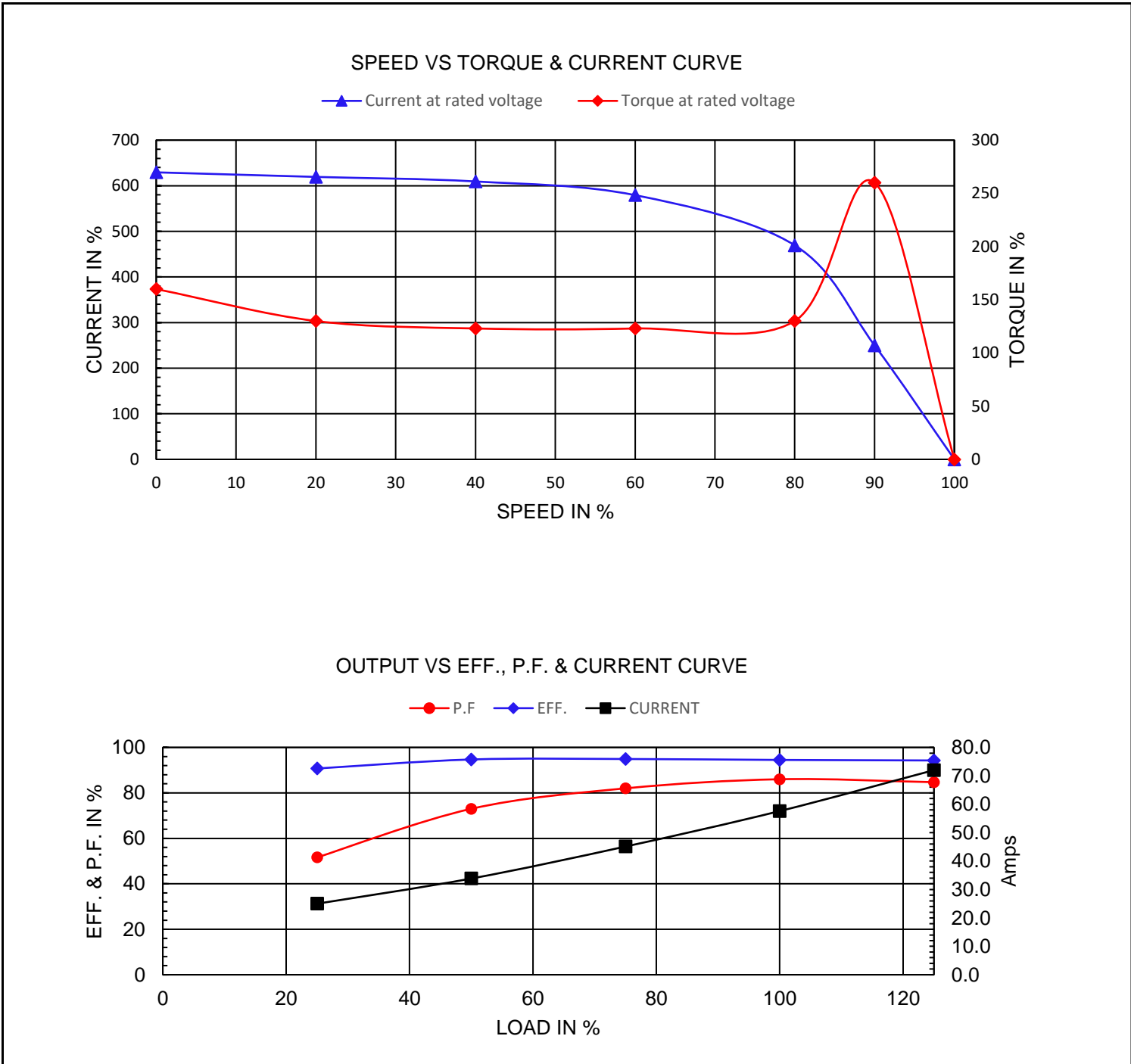
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Motor Type	PEWWE		FL Speed	1775		
Output Rating (HP)	50		LRT (%FLT)	160	460 volt FLA	57.6
Full Load Torque	148	lb.ft	BDT (%FLT)	260	230 volt FLA	115
Rotor Wk <sup>2</sup>	6.89	lb-ft <sup>2</sup>				



# NAMEPLATE / WIRING

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## SAMPLE NAMEPLATE DATA

		<b>NEMA Premium</b>		<b>3-PHASE INDUCTION MOTOR</b>						CC006A	
Model				Ser No.				Low Voltage			
HP		S.F.		IP		Encl		6	4	5	
Frame		P.F.		Code		Type		7	8	9	
Voltage	230/460	Hz		Ins Cl		Rating	°C Amb Cont	12	10	11	
Amps		RPM		Design		Date		1	2	3	
Nom.Eff.	FL	% 3/4	% 230/460 V	10:1 CT	20:1 VT	PWM VFD	1.0SF	L1	L2	L3	
				DE Brng				High Voltage			
Class I DIV. 2 Groups A B C D				Amb.40°C				4	5	6	
Class I Zone 2 IIC				Amb.55°C				7	8	9	
				ODE Brng				12	10	11	
				Grease type: LGHP 2 (compatible with polyrex)				1	2	3	
				L1				L1	L2	L3	
50Hz		HP	V	A	rpm	1.0SF					
<b>WorldWide Electric Corporation</b>											

Model	PEWWE50-18-326JM										
HP	50	S.F.	1.25	IP	IP55	Encl	TEFC				
Frame	326JM	P.F.	0.86	Code	G	Type					
Voltage	230/460 V	Hz	60Hz	Ins Cl	F	Ambient	40°C				
Amps	115/57.6	RPM	1775	Design	B	DE Brng	6312 C3				
Nom.Eff.	FL	94.5%	3/4	94.9%		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	135/67.5 A	1475 rpm							