

# DATA SHEET

Premium Efficiency Motor: **PEWWE40-36-324JP**

**60 Hz**

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Customer:

## MOTOR INFORMATION

HP	40
RPM	3600
Phase	3
Frequency	60 Hz
Voltage	230/460 V
Frame Size	324JP
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	2.91 lb.ft.^2
Locked Rotor Time (Hot)	16 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%	92.4 %	0.88
75%	92.8 %	0.85
50%	92.0 %	0.79

## TORQUE

FULL LOAD	LRT	BDT
59.2 lb.ft.	175 %	255 %

## AMPERAGE INFORMATION

	230V	460V
Full Load Amps	92.1A	46.1A
Locked Rotor Amps	580A	290A
No Load Current	26A	13A
Usable at 208V	102A	

## 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	470 lbs.

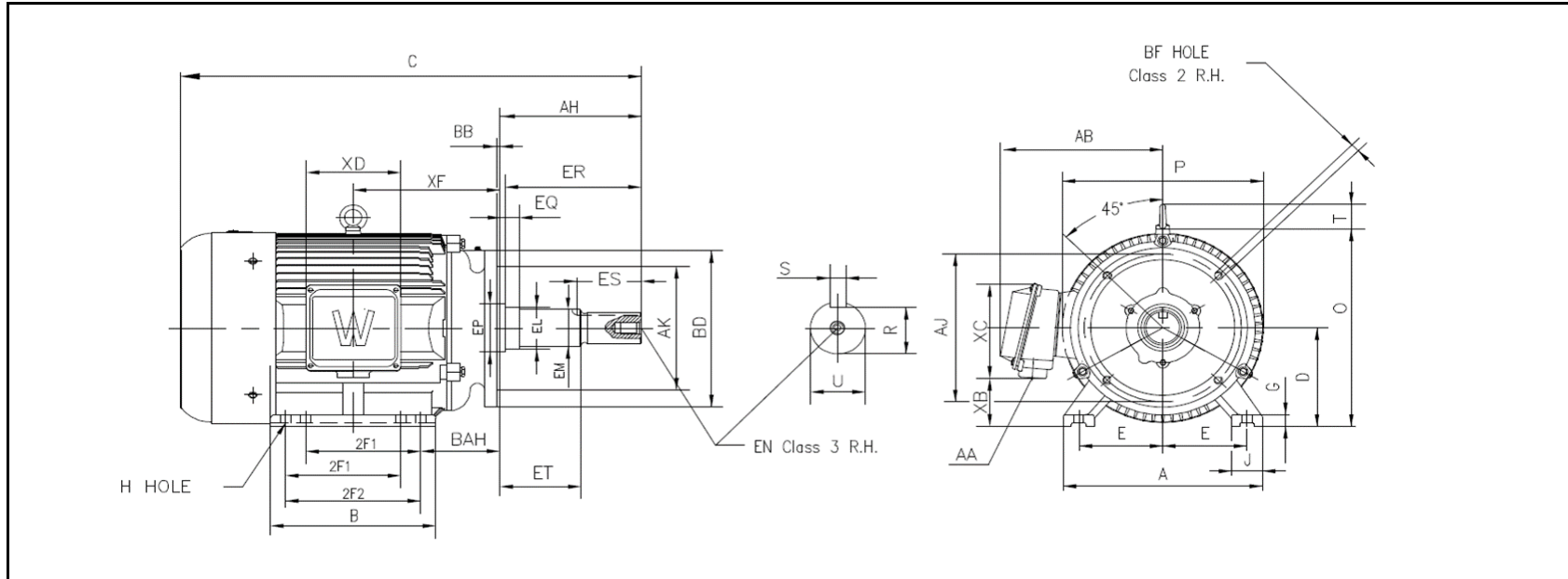
# MOTOR DRAWING

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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	0.66	5.5	16	13.5	33	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	2.6	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	10.7

# PERFORMANCE CURVES

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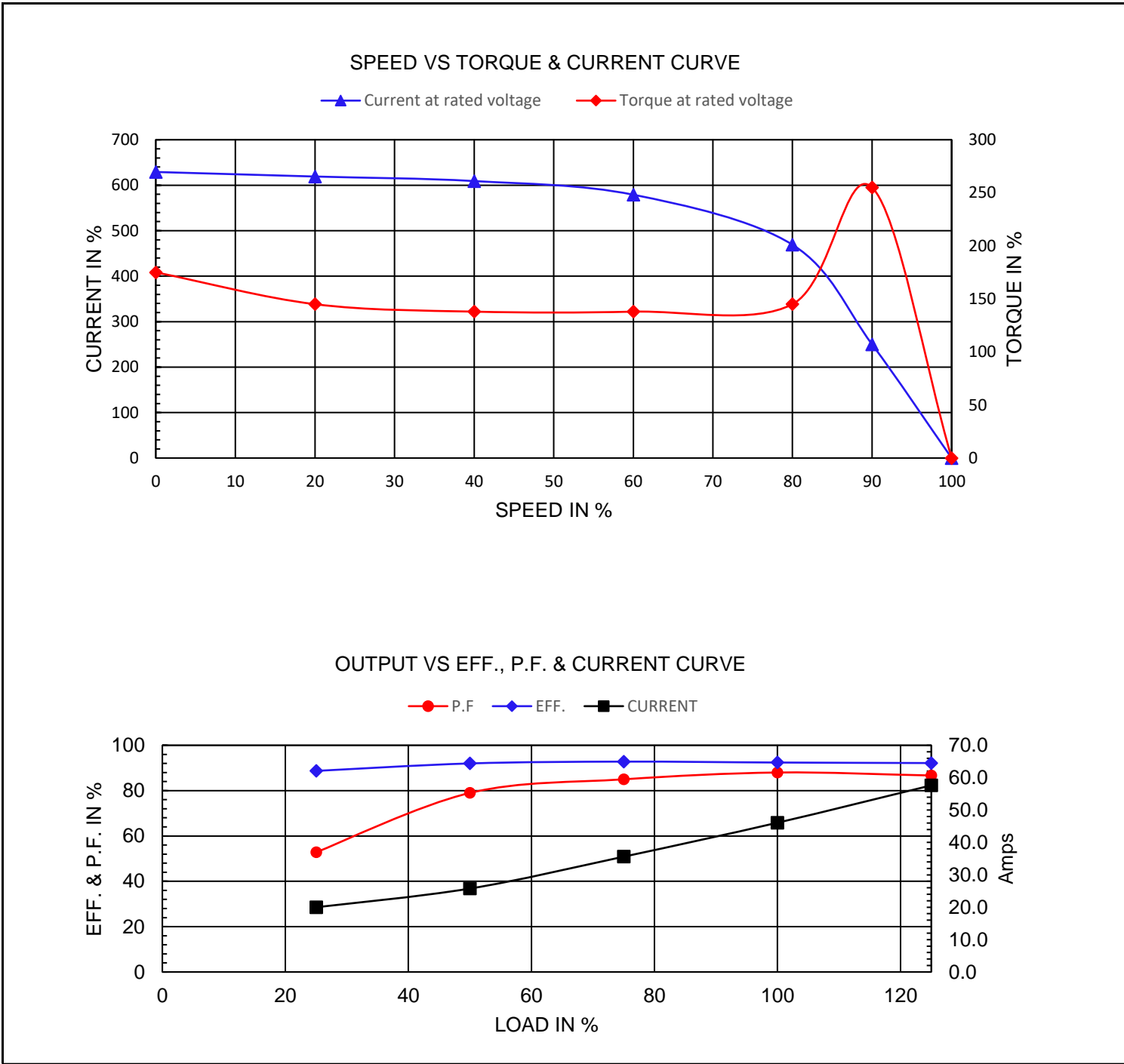
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Motor Type	PEWWE			FL Speed	3545		
Output Rating (HP)	40			LRT (%FLT)	175	460 volt FLA	46.1
Full Load Torque	59.2	lb.ft		BDT (%FLT)	255	230 volt FLA	92.1
Rotor Wk^2	2.91	lb-ft^2					



# NAMEPLATE / WIRING

Premium Efficiency Motor:

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## SAMPLE NAMEPLATE DATA

				<b>3-PHASE INDUCTION MOTOR</b>																																	
Model		Ser No.		<table border="1"> <tr><td>6</td><td>4</td><td>5</td></tr> <tr><td>7</td><td>8</td><td>9</td></tr> <tr><td>12</td><td>10</td><td>11</td></tr> <tr><td>1</td><td>2</td><td>3</td></tr> <tr><td>L1</td><td>L2</td><td>L3</td></tr> </table>		6	4	5	7	8	9	12	10	11	1	2	3	L1	L2	L3	<table border="1"> <tr><td>4</td><td>5</td><td>6</td></tr> <tr><td>7</td><td>8</td><td>9</td></tr> <tr><td>12</td><td>10</td><td>11</td></tr> <tr><td>1</td><td>2</td><td>3</td></tr> <tr><td>L1</td><td>L2</td><td>L3</td></tr> </table>		4	5	6	7	8	9	12	10	11	1	2	3	L1	L2	L3
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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	PEWWE40-36-324JP										
HP	40	S.F.	1.25	IP	IP55	Encl	TEFC				
Frame	324JP	P.F.	0.88	Code	G	Type					
Voltage	230/460 V	Hz	60 Hz	Ins Cl	F	Ambient	40°C				
Amps	92.1/46.1	RPM	3545	Design	B	DE Brng	6312 C3				
Nom.Eff.	FL	92.4%	3/4	92.8%		ODE Brng	6311 C3				
Class 1 Division 2 Groups A,B,C,D						T3C(160°C)		Grease type: SKF LGHP 2			
50Hz		40 HP	200/400 V	106/53.2	A	2945 rpm					