

# DATA SHEET

Premium Efficiency Motor: **PEWWE15-36-254JP**

**60 Hz**

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Customer:

## MOTOR INFORMATION

HP	15
RPM	3600
Phase	3
Frequency	60 Hz
Voltage	230/460 V
Frame Size	254JP
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	2
Full Load Speed	3540
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	G
Duty Cycle	S1 / Continuous
Slip	1.66%
NEMA Design	B
Moment of Inertia	0.968 lb.ft. <sup>2</sup>
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 I, 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%	91.0 %	0.88
75%	91.5 %	0.87
50%	90.8 %	0.81

## TORQUE

FULL LOAD	LRT	BDT
22.2 lb.ft.	160 %	230 %

## AMPERAGE INFORMATION

	230V	460V
Full Load Amps	35.1A	17.5A
Locked Rotor Amps	232A	116A
No Load Current	9.8A	4.9A
Usable at 208V	38.8A	

## BEARING INFORMATION

DE Bearing	6309 C3
ODE Bearing	6209 C3
Grease Type	SKF LGHP 2
DE Regreasing Interval	3000 Hours
ODE Regreasing Interval	3000 Hours

## ADDITIONAL DATA

F2 Suitable	Yes
Shaft Material	1045 Carbon Steel
Connection Diagram	230 / 460 V - 9 Lead Δ
Approximate Weight	248 lbs.

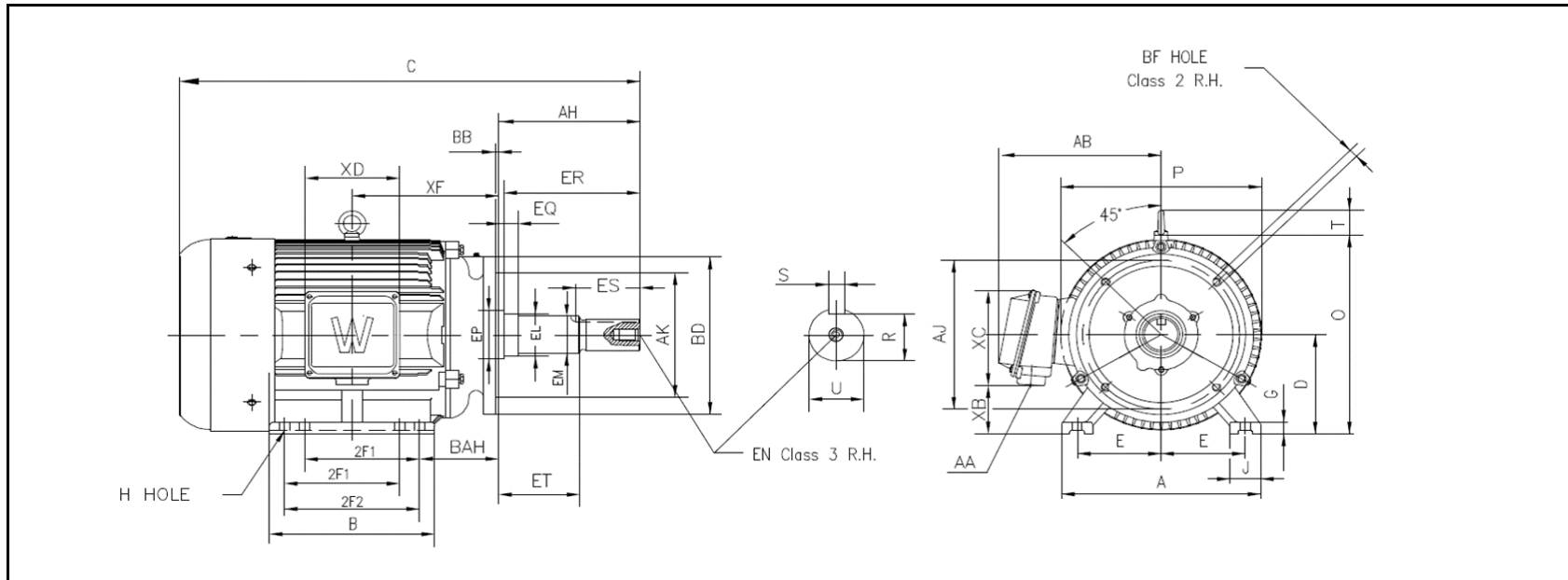
# MOTOR DRAWING

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## DIMENSION - INCHES

MOUNTING					A	B	C	D	G	J	P	O	T	AB
E	2F1	2F	H	BAH										
5	--	8.25	0.53	4.5	12.5	10.3	28	6.25	0.79	2.4	12.6	12.9	2.05	10.5

SHAFT & KEY												
S	ES	R	AH	EQ	ET	EM	EL	EP	ER	EN	U	
0.25	2.6	1.11	8.125	2.375	5.875	1.375	1.75	1.772	8.28	1/2-13	1.249	

FLANGE				
AJ	AK	BB	BD	BF
7.25	8.5	0.275	10	1/2-13

TERMINAL BOX				
AA	XB	XC	XD	XF
1.5	3	7.4	6.3	8.6

# PERFORMANCE CURVES

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Premium Efficiency Motor:

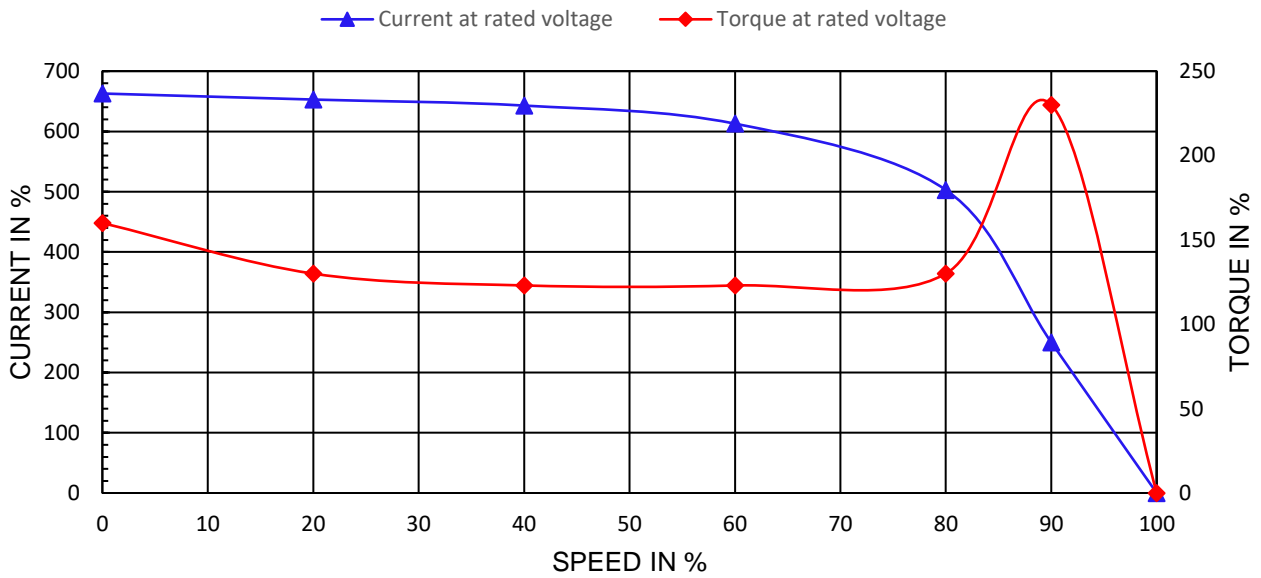
**PEWWE15-36-254JP**

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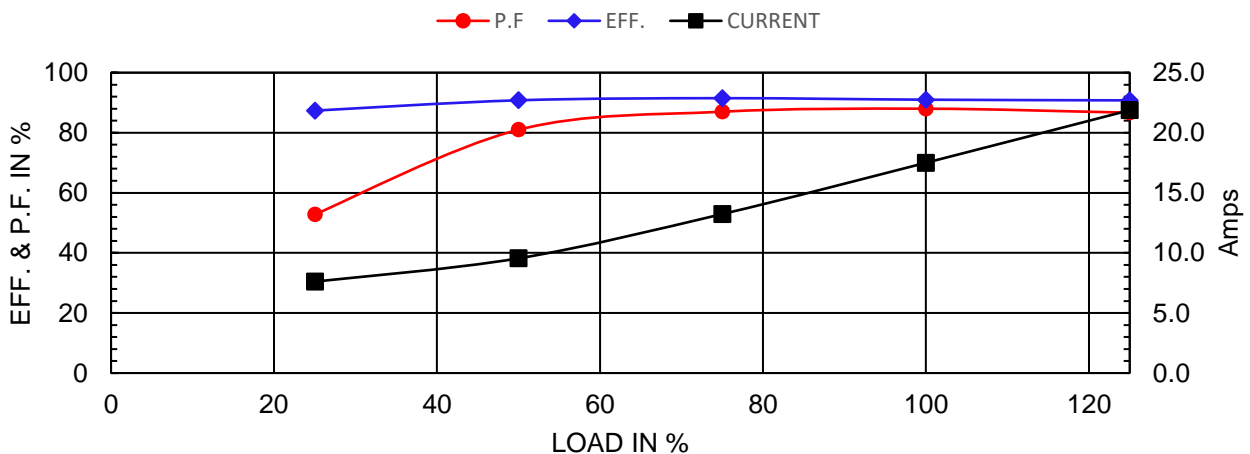
Customer:

Motor Type	PEWWE		FL Speed	3540	
Output Rating (HP)	15		LRT (%FLT)	160	460 volt FLA 17.5
Full Load Torque	22.2	lb.ft	BDT (%FLT)	230	230 volt FLA 35.1
Rotor Wk <sup>2</sup>	0.968	lb-ft <sup>2</sup>			

SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F. & CURRENT CURVE



# NAMEPLATE / WIRING

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## SAMPLE NAMEPLATE DATA

		<b>NEMA Premium</b>		<b>3-PHASE INDUCTION MOTOR</b>		259277			CC006A
Model			Ser No.			Low Voltage			
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	%	230/460V	10:1 CT	20:1 VT	PWM	VFD	1.0SF
				DE Brng					
Class I DIV. 2 Groups A B C D				Amb.40°C	T3C(160°C)	ODE Brng			
Class I Zone 2 IIC				Amb.55°C	T3A(180°C)	Grease type:			
50Hz		HP	V	A	rpm	S.F1.0			

Model	PEWWE15-36-254JP								
HP	15	S.F.	1.25	IP	IP55	Encl	TEFC		
Frame	254JP	P.F.	0.88	Code	G	Type			
Voltage	230/460 V	Hz	60 Hz	Ins Cl	F	Ambient	40°C		
Amps	35.1/17.5	RPM	3540	Design	B	DE Brng	6309 C3		
Nom.Eff.	FL	91.0%	3/4	91.5%		ODE Brng	6209 C3		
						Grease type:	SKF LGHP 2		
50Hz		15 HP	200/400 V	41.1/20.5 A	2935 rpm				