

DATA SHEET

Premium Efficiency Motor: **PEWWE10-36-215JM**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Customer:

MOTOR INFORMATION

HP	10
RPM	3600
Phase	3
Frequency	60 Hz
Voltage	230/460 V
Frame Size	215JM
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	2
Full Load Speed	3500
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	H
Duty Cycle	S1 / Continuous
Slip	2.77%
NEMA Design	B
Moment of Inertia	0.291 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 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%	90.2 %	0.85
75%	90.7 %	0.83
50%	90.5 %	0.75

TORQUE

FULL LOAD	LRT	BDT
15 lb.ft.	150 %	250 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	24.4A	12.2A
Locked Rotor Amps	162A	81A
No Load Current	7.8A	3.9A
Usable at 208V	27A	

BEARING INFORMATION

DE Bearing	6309ZZ C3
ODE Bearing	6207ZZ C3
Grease Type	--
DE Regreasing Interval	- Hours
ODE Regreasing Interval	- Hours

ADDITIONAL DATA

F2 Suitable	Yes
Shaft Material	1045 Carbon Steel
Connection Diagram	230 / 460 V - 9 Lead Δ
Approximate Weight	154 lbs.

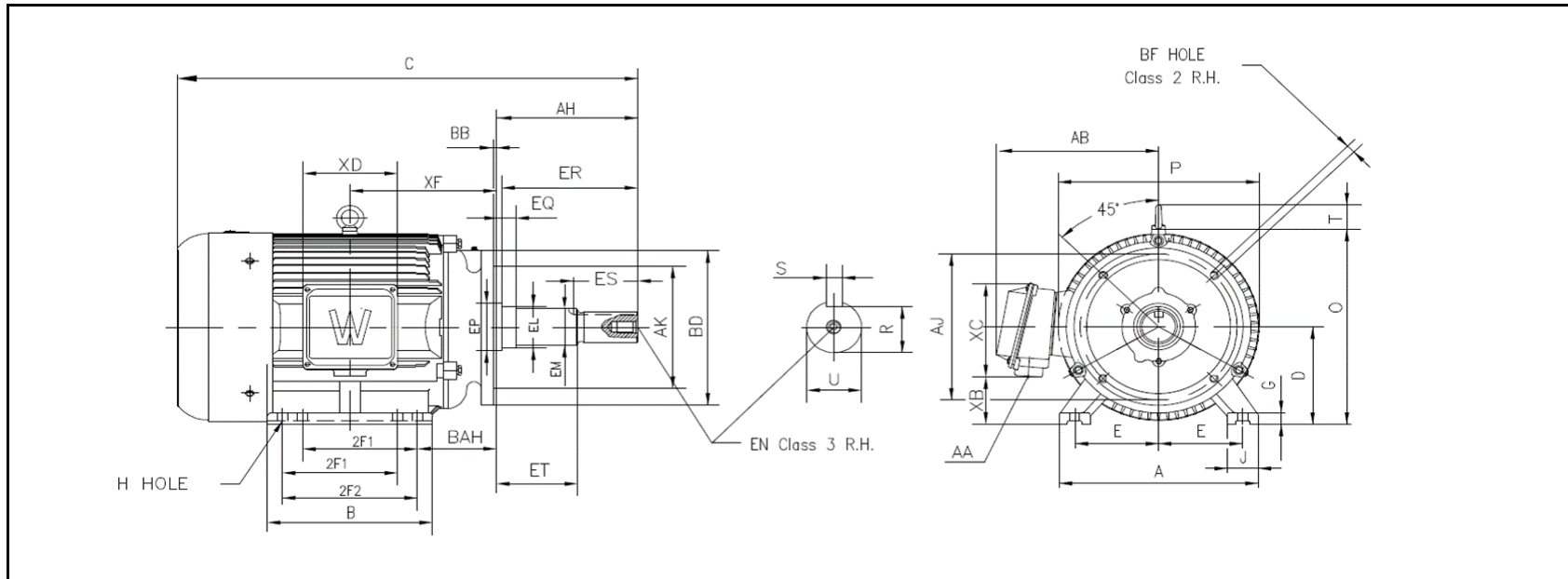
MOTOR DRAWING

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DIMENSION - INCHES

MOUNTING					A	B	C	D	G	J	P	O	T	AB
E	2F1	2F	H	BAH										
4.25	5.5	7	0.41	4.5	10.5	9	21.5	5.25	0.71	2.4	10.4	10.6	1.73	8.5

SHAFT & KEY												
S	ES	R	AH	EQ	ET	EM	EL	EP	ER	EN	U	
0.188	1.732	0.77	4.25	0.625	2.875	1	1.25	1.772	4.5	3/8-16	0.874	

FLANGE				
AJ	AK	BB	BD	BF
7.25	8.5	0.275	8.9	1/2-13

TERMINAL BOX				
AA	XB	XC	XD	XF
1	3.3	5.1	4.6	8

PERFORMANCE CURVES

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Premium Efficiency Motor:

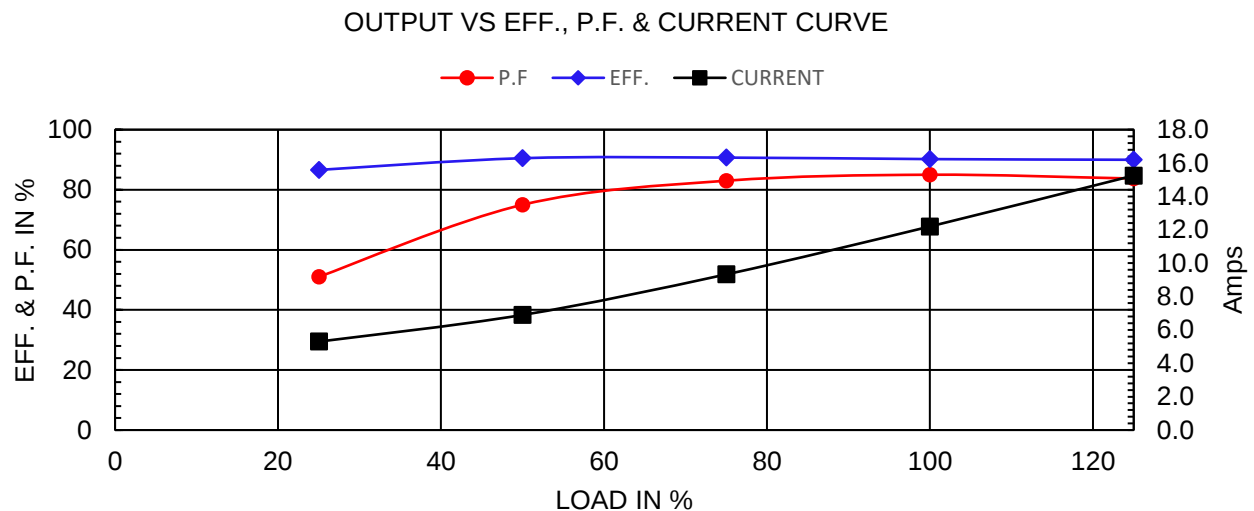
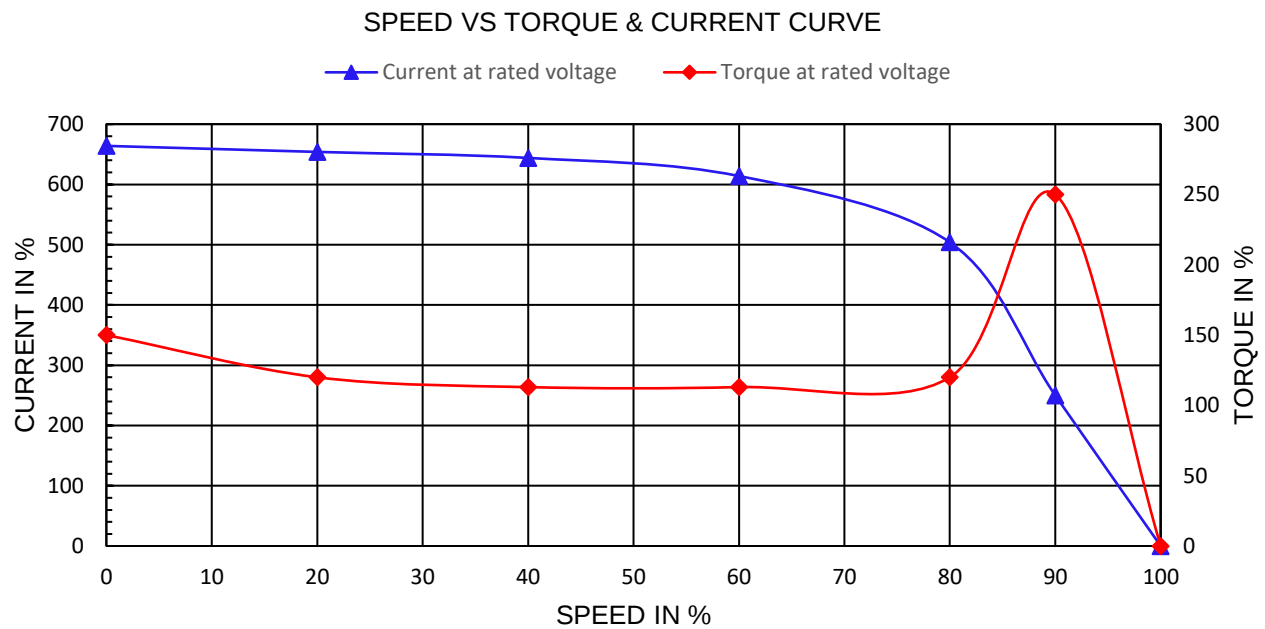
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Motor Type	PEWWE		FL Speed	3500		
Output Rating (HP)	10		LRT (%FLT)	150	460 volt FLA	12.2
Full Load Torque	15	lb.ft	BDT (%FLT)	250	230 volt FLA	24.4
Rotor Wk^2	0.291	lb-ft^2				



NAMEPLATE / WIRING

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SAMPLE NAMEPLATE DATA

		NEMA Premium		3-PHASE INDUCTION MOTOR		259277 	CE CC006A
Model				Ser No.			
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 ODE Brng Grease type:			
Class I DIV. 2 Groups A B C D		Amb.40°C		T3C(160°C)			
Class I Zone 2 IIC		Amb.55°C		T3A(180°C)			
50Hz	HP	V	A	rpm	S.F.1.0		
WorldWide Electric Corporation							

Model	PEWWE10-36-215JM						
HP	10	S.F.	1.25	IP	IP55	Encl	TEFC
Frame	215JM	P.F.	0.85	Code	H	Type	
Voltage	230/460 V	Hz	60 Hz	Ins Cl	F	Ambient	40°C
Amps	24.4/12.2	RPM	3500	Design	B	DE Brng	6309ZZ C3
Nom.Eff.	FL	90.2%	3/4	90.7%		ODE Brng	6207ZZ C3
						Grease type:	--
50Hz 10 HP 200/400 V 28.8/14.4 A 2900 rpm							