

# DATA SHEET

Premium Efficiency Motor: **PEWWE10-18-215JM**

**60 Hz**

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



Document Generated: 16-Feb-2023  
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Customer:

MOTOR INFORMATION	
HP	10
RPM	1800
Phase	3
Frequency	60 Hz
Voltage	230/460 V
Frame Size	215JM
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	4
Full Load Speed	1760
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	H
Duty Cycle	S1 / Continuous
Slip	2.22%
NEMA Design	B
Moment of Inertia	0.75 lb.ft.^2
Locked Rotor Time (Hot)	13 seconds
Sound Pressure Level	64 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%	91.7 %	0.84
75%	91.9 %	0.79
50%	91.6 %	0.69

TORQUE		
FULL LOAD	LRT	BDT
29.8 lb.ft.	170 %	280 %

AMPERAGE INFORMATION		
	230V	460V
Full Load Amps	24.3A	12.2A
Locked Rotor Amps	162A	81A
No Load Current	10A	5A
Usable at 208V	26.9A	

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

ADDITIONAL DATA	
F2 Suitable	No
Shaft Material	1045 Carbon Steel
Connection Diagram	230 / 460 V - 9 Lead Δ
Approximate Weight	179 lbs.

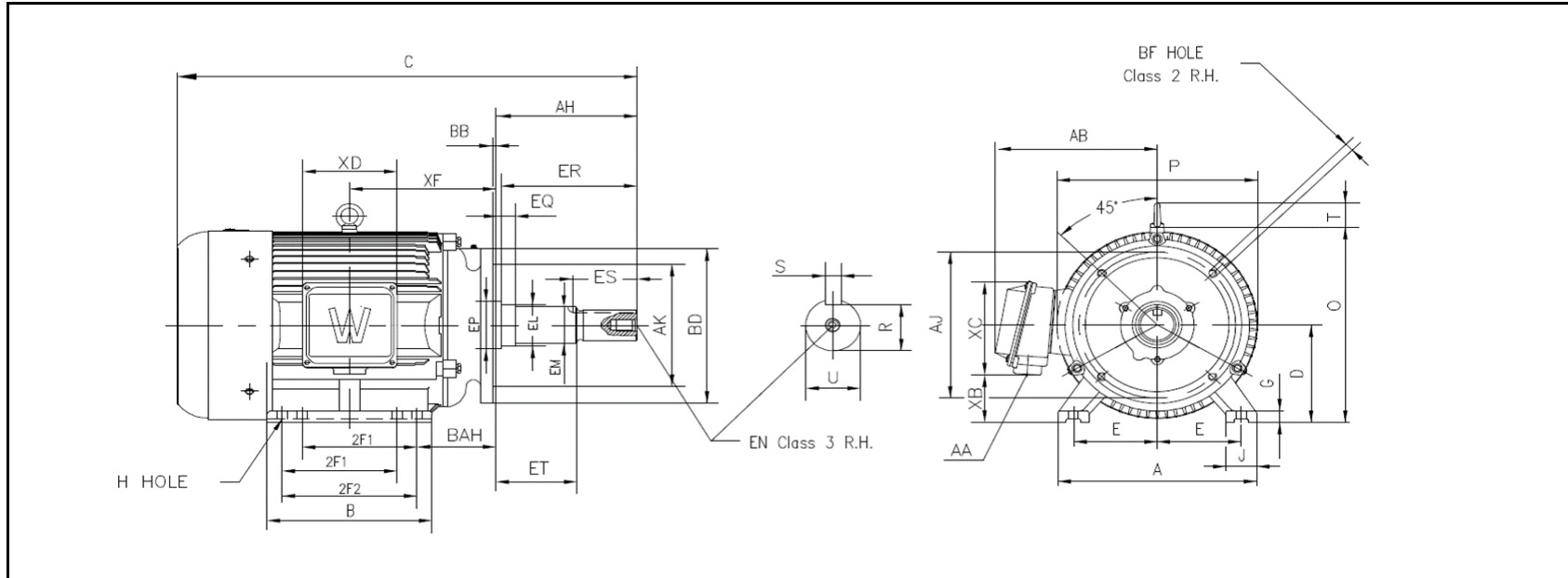
# MOTOR DRAWING

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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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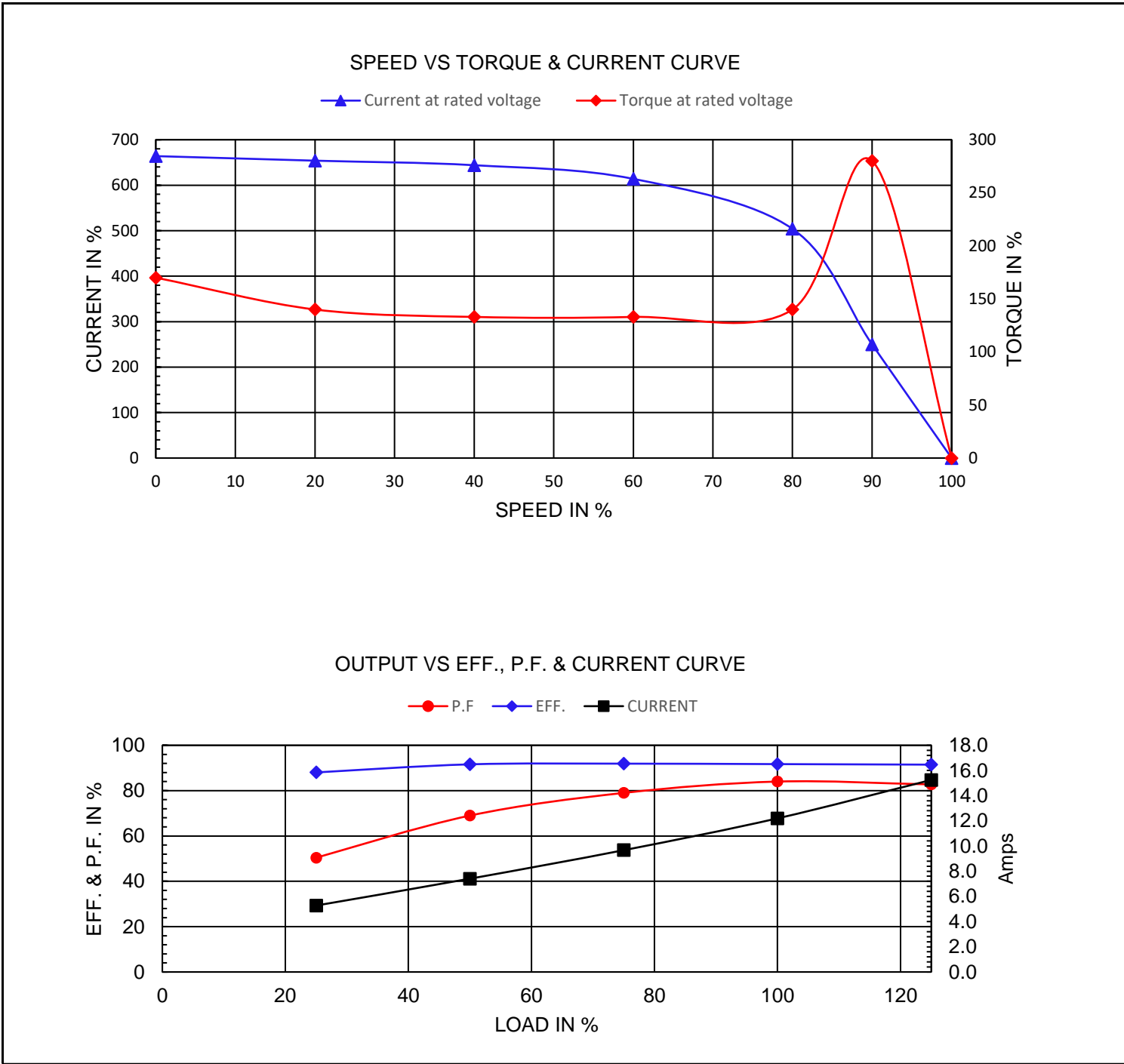
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Motor Type	PEWWE			FL Speed	1760		
Output Rating (HP)	10			LRT (%FLT)	170	460 volt FLA	12.2
Full Load Torque	29.8	lb.ft		BDT (%FLT)	280	230 volt FLA	24.3
Rotor Wk <sup>2</sup>	0.75	lb-ft <sup>2</sup>					



# NAMEPLATE / WIRING

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## SAMPLE NAMEPLATE DATA

		<b>NEMA Premium</b>		<b>3-PHASE INDUCTION MOTOR</b>		259277			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					
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	PEWWE10-18-215JM								
HP	10	S.F.	1.25	IP	IP55	Encl	TEFC		
Frame	215JM	P.F.	0.84	Code	H	Type			
Voltage	230/460 V	Hz	60 Hz	Ins Cl	F	Ambient	40°C		
Amps	24.3/12.2	RPM	1760	Design	B	DE Brng	6309ZZ C3		
Nom.Eff.	FL	91.7%	3/4	91.9%		ODE Brng	6207ZZ C3		
						Grease type:	--		
50Hz      10 HP      200/400 V      28.9/14.5 A      1455 rpm									