

DATA SHEET

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

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	215T
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	6308ZZ 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.

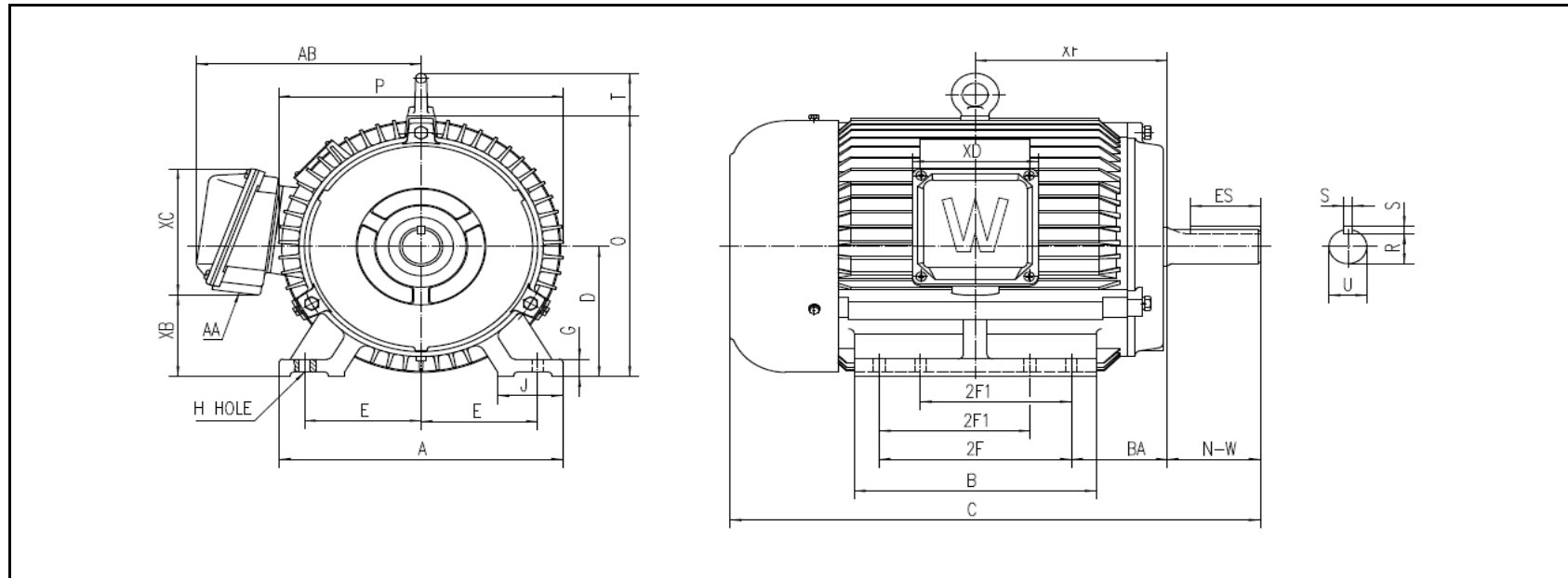
MOTOR DRAWING

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DIMENSION - INCHES

MOUNTING					A	B	C	D	G	J	P	O	T	AB
E	2F1	2F	H	BA										
4.25	5.5	7	0.41	3.5	10.315	8.819	19.319	5.25	0.709	2.362	10.389	10.526	1.732	8.178

SHAFT & KEY				
S	ES	R	N-W	U
0.312	2.41	1.201	3.38	1.375

TERMINAL BOX				
AA	XB	XC	XD	XF
1	3.296	5.098	4.567	7.002

PERFORMANCE CURVES

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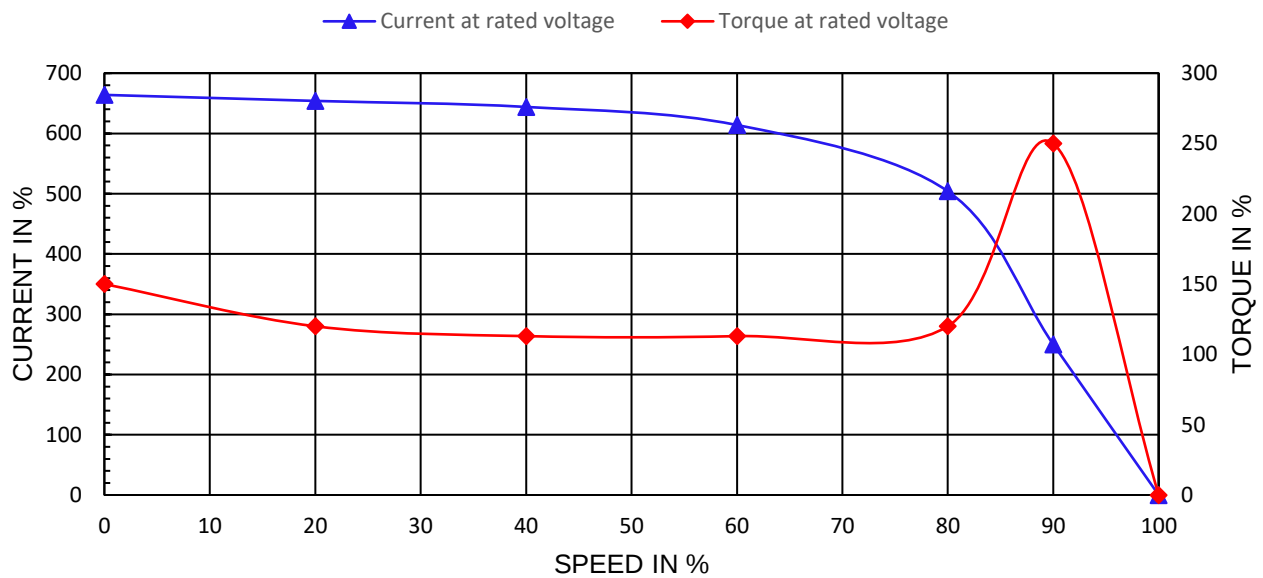
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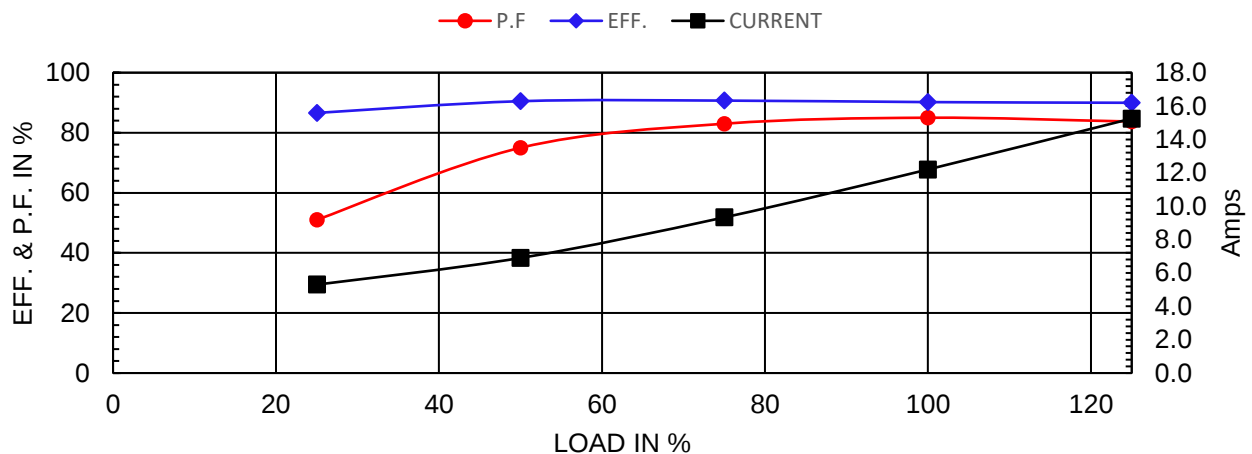
Customer:

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

SPEED VS TORQUE & CURRENT CURVE



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



NAMEPLATE / WIRING

Premium Efficiency Motor:

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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			
Class I DIV. 2 Groups A B C D				Amb.40°C	T3C(160°C)	DE Brng			
Class I Zone 2 IIC				Amb.55°C	T3A(180°C)	ODE Brng			
						Grease type:			
50Hz	HP	V	A	rpm	S.F1.0				

Model **PEWWE10-36-215T**

HP **10** S.F. **1.25** IP **IP55** Encl **TEFC**

Frame **215T** 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 **6308ZZ 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