

DATA SHEET

Premium Efficiency Motor: **PEWWE3-12-213T**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Customer:

MOTOR INFORMATION

HP	3
RPM	1200
Phase	3
Frequency	60 Hz
Voltage	230/460 V
Frame Size	213T
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	6
Full Load Speed	1175
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	K
Duty Cycle	S1 / Continuous
Slip	2.08%
NEMA Design	B
Moment of Inertia	0.678 lb.ft. ²
Locked Rotor Time (Hot)	24 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%	89.5 %	0.7
75%	89.5 %	0.65
50%	88.2 %	0.53

TORQUE

FULL LOAD	LRT	BDT
13.4 lb.ft.	155 %	240 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	8.97A	4.48A
Locked Rotor Amps	64A	32A
No Load Current	5.2A	2.6A
Usable at 208V	9.92A	

BEARING INFORMATION

DE Bearing	6308ZZ C3
ODE Bearing	6207ZZ C3
Grease Type	-
DE Regreasing Interval	- Hours
ODE Regreasing Interval	- Hours

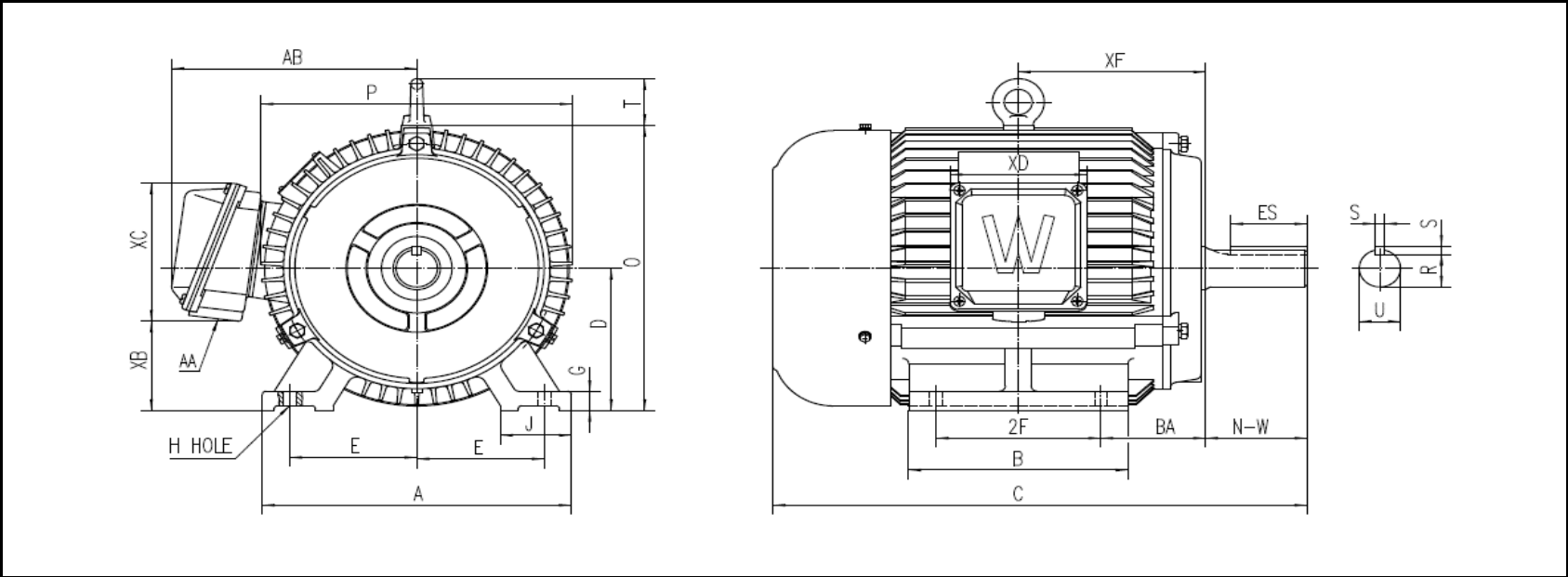
ADDITIONAL DATA

F2 Suitable	Yes
Shaft Material	1045 Carbon Steel
Connection Diagram	230 / 460 V - 9 Lead Y
Approximate Weight	147 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	0.41	3.5	10.315	7.323	17.823	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	6.254

PERFORMANCE CURVES

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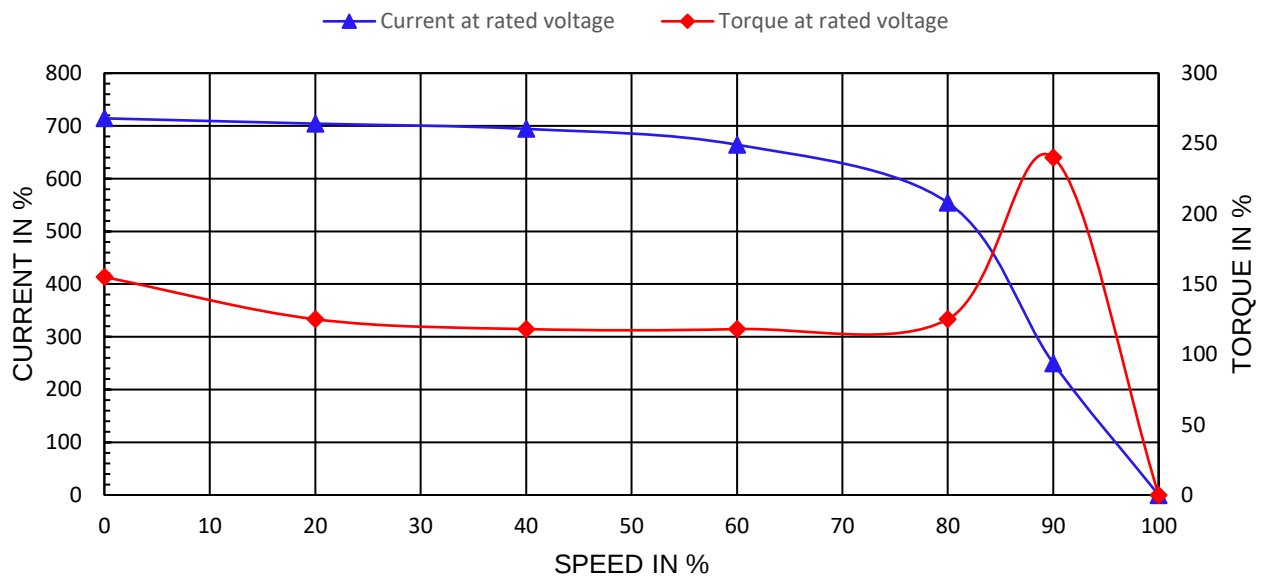
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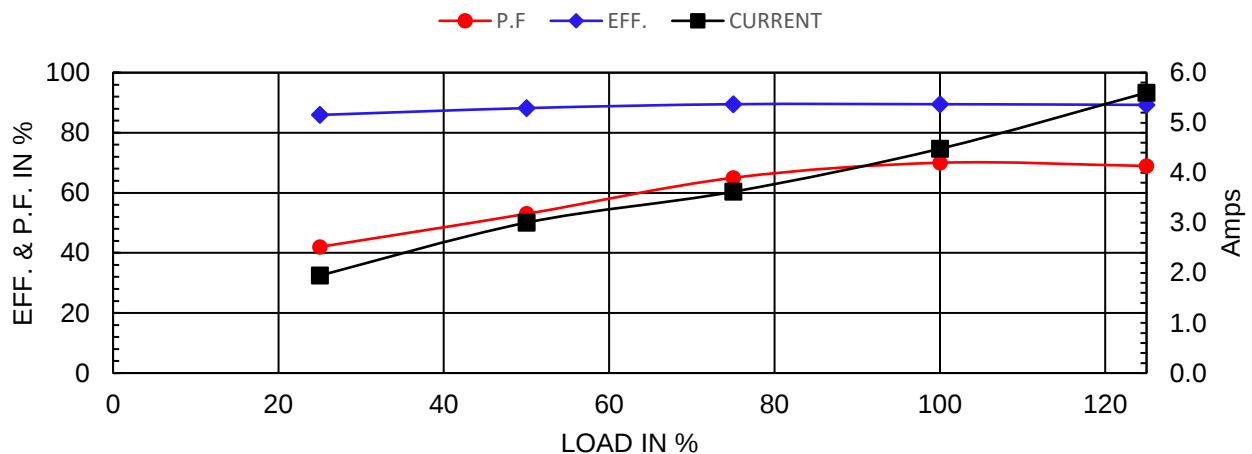
Customer:

Motor Type	PEWWE		FL Speed	1175		
Output Rating (HP)	3		LRT (%FLT)	155	460 volt FLA	4.48 A
Full Load Torque	13.4 lb.ft		BDT (%FLT)	240	230 volt FLA	8.97 A
Rotor Wk^2	0.678 lb-ft^2					

SPEED VS TORQUE & CURRENT CURVE



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



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			
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			
WorldWide Electric Corporation									

Model PEWWE3-12-213T

HP 3 S.F. 1.25 IP IP55 Encl TEFC

Frame 213T P.F. 0.7 Code K Type

Voltage 230/460 V Hz 60 Hz Ins Cl F Ambient 40°C

Amps 8.97/4.48 RPM 1175 Design B DE Brng 6308ZZ C3

Nom.Eff. FL 89.5% 3/4 89.5% ODE Brng 6207ZZ C3

Grease type: -

50Hz 3 HP 200/400 V 11.3/5.64 A 970 rpm