



DATA SHEET

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

60 Hz

Document Generated: 14-Oct-2024
 Document ID:

Customer:

MOTOR INFORMATION	
HP	3
RPM	1200
Phase	3
Frequency	60 Hz
Voltage	230/460 V
Frame Size	213TC
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 1 Division 2 Groups A,B,C,D T3C(160°C)
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 %	0.6
50%	5	
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

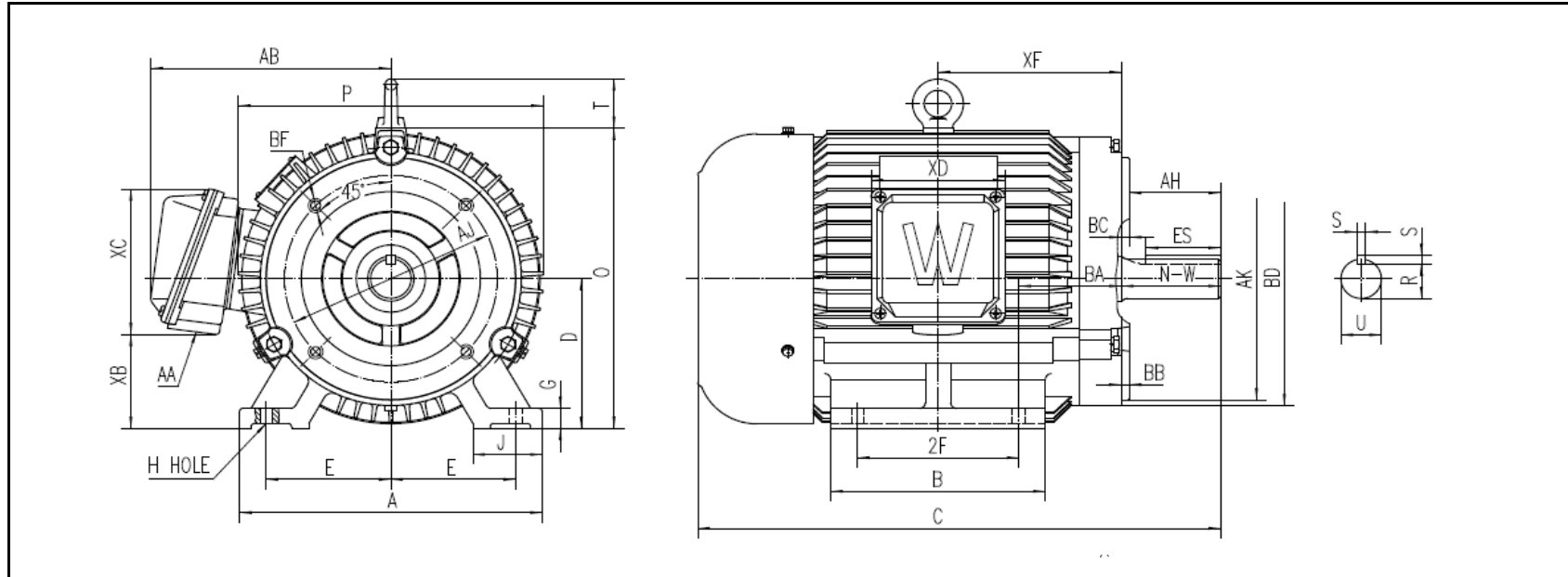
BEARING INFORMATION	
DE Bearing	6308ZZ C3
ODE Bearing Grease Ty	6207ZZ
pe DE Regreasing	C3
Interval	--
ODE Regreasing Interval	- Hours
	- Hours

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	AH	U
0.312	2.41	1.201	3.38	3.12	1.375

TERMINAL BOX				
AA	XB	XC	XD	XF
1	3.296	5.098	4.567	6.254

FLANGE					
AJ	AK	BB	BD	BF	BC
7.25	8.5	0.25	8.898	1/2-13	0.25



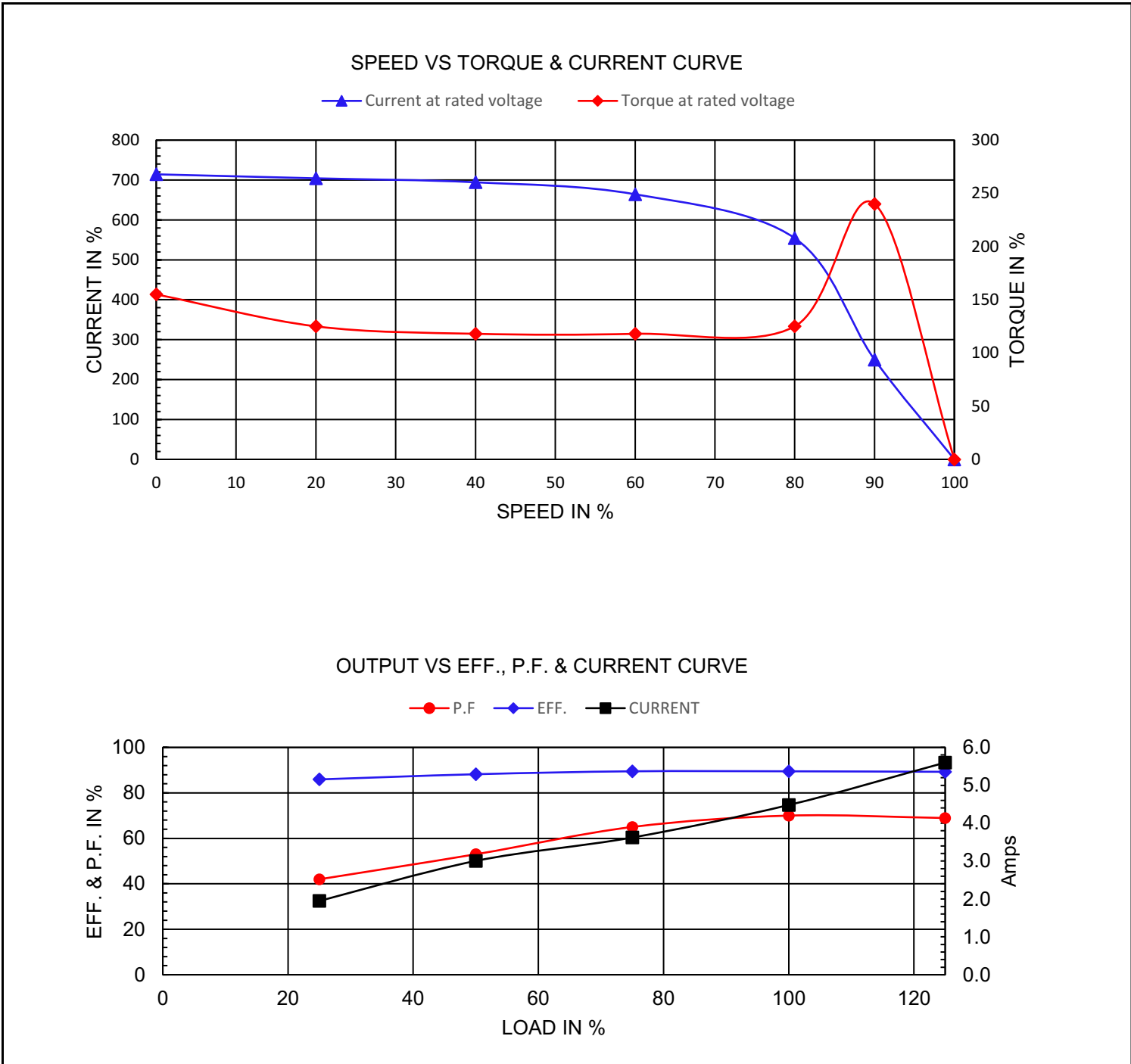
PERFORMANCE CURVES

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





NAMEPLATE / WIRING

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SAMPLE NAMEPLATE DATA

		3-PHASE INDUCTION MOTOR		259277			CC006A	
Model	<input type="text"/>	Ser No.	<input type="text"/>	Low Voltage				50Hz
HP	<input type="text"/>	S.F.	<input type="text"/>	Rating	<input type="text"/>	°C Amb Cont		1.0SF
Frame	<input type="text"/>	P.F.	<input type="text"/>	IP	<input type="text"/>	Encl	<input type="text"/>	HP
Voltage	230/460	Hz	<input type="text"/>	Code	<input type="text"/>	Type	<input type="text"/>	%
Amps	<input type="text"/>	RPM	<input type="text"/>	Ins Cl	<input type="text"/>	Design	<input type="text"/>	V
Nom. Eff.	FL	% 3/4	%	10:1 CT	20:1 VT	PWM VFD	1.0SF	A
Class I DIV. 2 Groups A B C D		Amb.40°C	T3C(160°C)	Date				rpm
Class I Zone 2 IIC		Amb.55°C	T3A(180°C)					
Grease type:	DE Bmg							
	ODE Bmg							
WorldWide Electric Corporation								

Model	<input type="text" value="PEWWE3-12-213TC"/>							
HP	<input type="text" value="3"/>	S.F.	<input type="text" value="1.25"/>	IP	<input type="text" value="IP55"/>	Encl	<input type="text" value="TEFC"/>	
Frame	<input type="text" value="213TC"/>	P.F.	<input type="text" value="0.7"/>	Code	<input type="text" value="K"/>	Type		
Voltage	<input type="text" value="230/460 V"/>	Hz	<input type="text" value="60 Hz"/>	Ins Cl	<input type="text" value="F"/>	Ambient	<input type="text" value="40°C"/>	
Amps	<input type="text" value="8.97/4.48"/>	RPM	<input type="text" value="1175"/>	Design	<input type="text" value="B"/>	DE Brng	<input type="text" value="6308ZZ C3"/>	
Nom. Eff.	<input type="text" value="FL"/>	<input type="text" value="89.5%"/>	<input type="text" value="3/4"/>	<input type="text" value="89.5%"/>	ODE Brng			<input type="text" value="6207ZZ C3"/>
Class 1 Division 2 Groups A,B,C,D				T3C(160°C)		Grease type: --		
50Hz								
<input type="text" value="3 HP"/>		<input type="text" value="200/400 V"/>		<input type="text" value="11.3/5.6A"/>		<input type="text" value="970 rpm"/>		
<input type="text" value="Eff. 81.8%"/>								