

DATA SHEET

Premium Efficiency Motor: **PEWWE125-18-575-444T**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



Document Generated: 15-Feb-2023
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Customer:

MOTOR INFORMATION	
HP	125
RPM	1800
Phase	3
Frequency	60 Hz
Voltage	575 V
Frame Size	444T
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	4
Full Load Speed	1790
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	G
Duty Cycle	S1 / Continuous
Slip	0.55%
NEMA Design	B
Moment of Inertia	36.8 lb.ft.^2
Locked Rotor Time (Hot)	20 seconds
Sound Pressure Level	76 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%	95.4 %	0.84
75%	95.6 %	0.81
50%	95.3 %	0.73

TORQUE		
FULL LOAD	LRT	BDT
367 lb.ft.	160 %	230 %

AMPERAGE INFORMATION		
	575V	
Full Load Amps	117A	
Locked Rotor Amps	726A	
No Load Current	42.5A	

BEARING INFORMATION	
DE Bearing	NU318 C3
ODE Bearing	6313 C3
Grease Type	SKF LGHP 2
DE Regreasing Interval	1500 Hours
ODE Regreasing Interval	3000 Hours

ADDITIONAL DATA	
F2 Suitable	Yes
Shaft Material	1045 Carbon Steel
Connection Diagram	575V - 6 Lead Δ
Approximate Weight	1359 lbs.

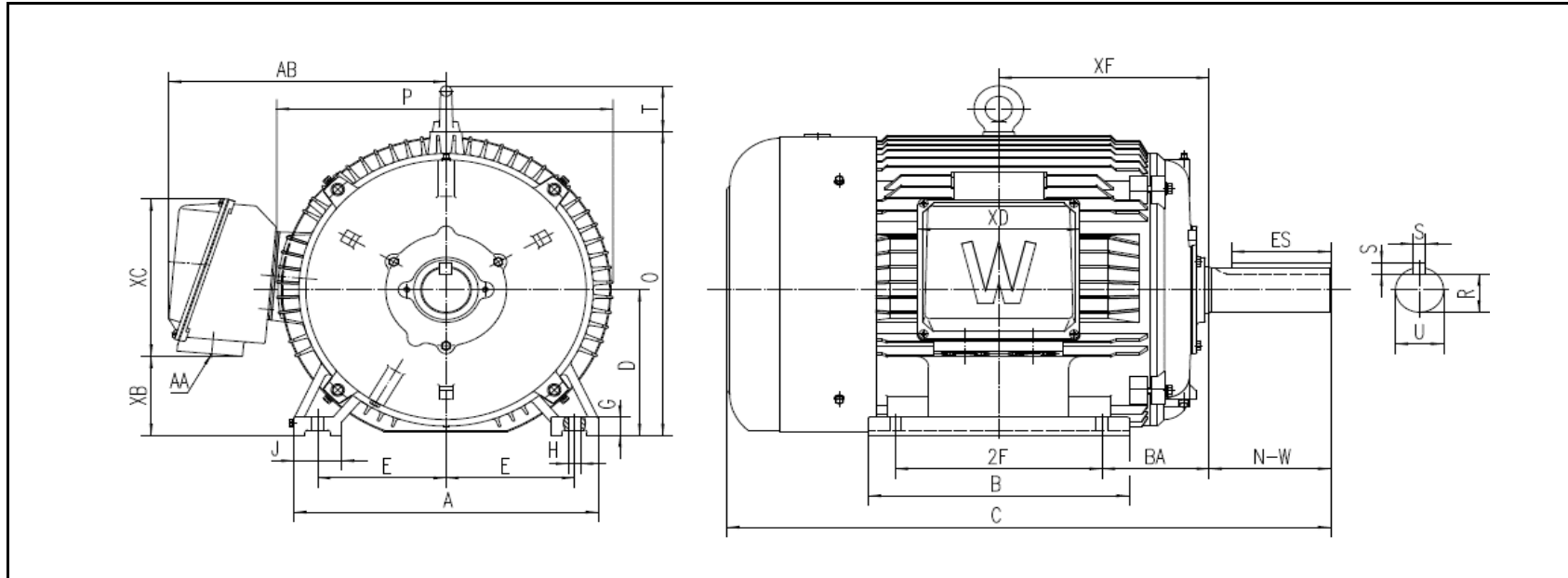
MOTOR DRAWING

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DIMENSION - INCHES

MOUNTING					A	B	C	D	G	J	P	O	T	AB
E	2F1	2F	H	BA										
9	--	14.5	0.81	7.5	21.339	18.268	42.301	11	1.378	3.346	23.574	22.969	3.465	19.436

SHAFT & KEY				
S	ES	R	N-W	U
0.875	6.91	2.88	8.5	3.375

TERMINAL BOX				
AA	XB	XC	XD	XF
2 X 3	5.97	11.905	11.339	14.744

PERFORMANCE CURVES

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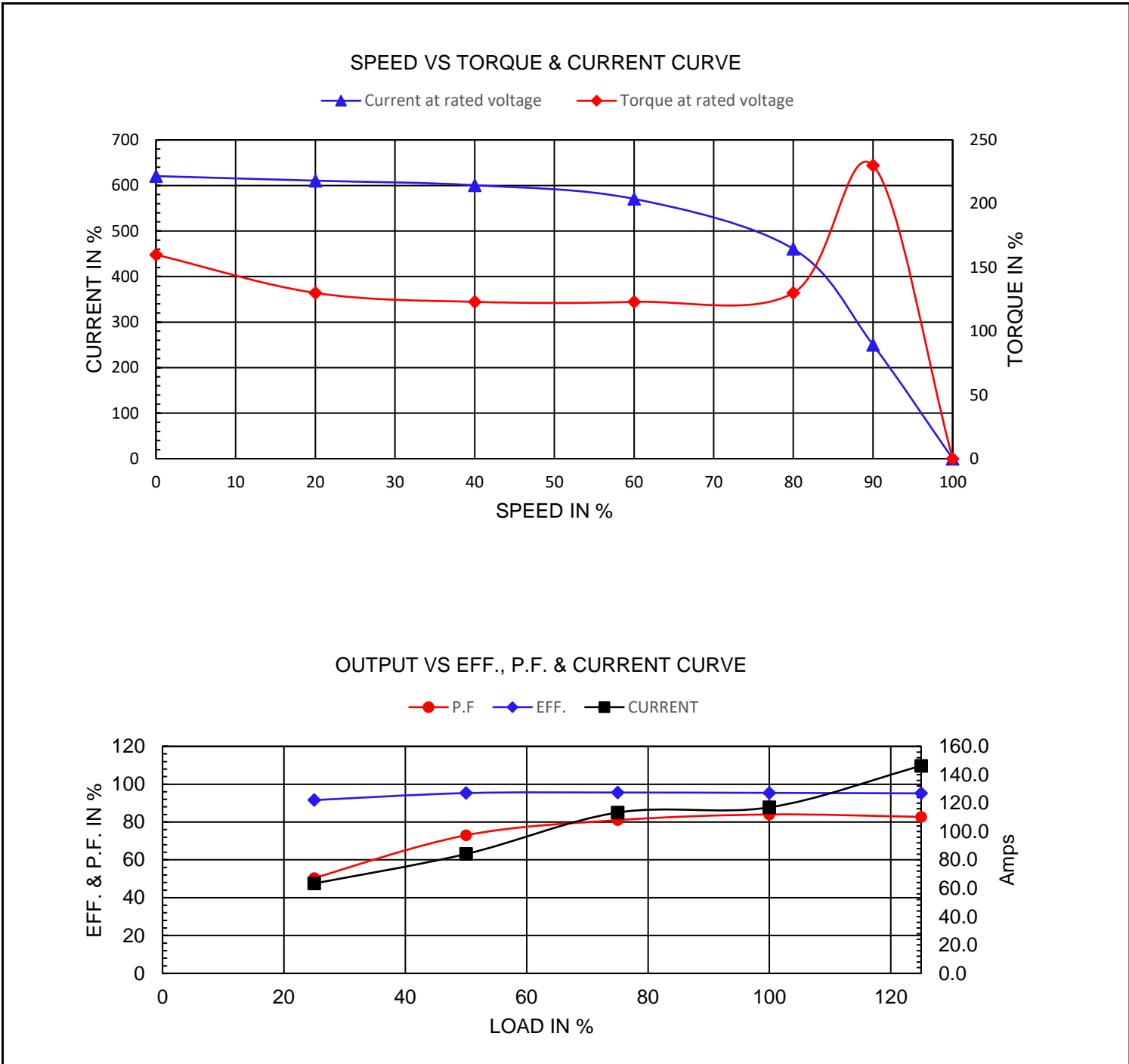
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Motor Type	PEWWE		
Output Rating (HP)	125	FL Speed	1790
Full Load Torque	120 lb.ft	LRT (%FLT)	160
Rotor Wk^2	0.55 lb-ft^2	BDT (%FLT)	230
		575 Volt FLA	117A



NAMEPLATE / WIRING

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SAMPLE NAMEPLATE DATA

		NEMA Premium		3-PHASE INDUCTION MOTOR		259277	CE										
							CC006A										
Model				Ser No.				Connection									
HP		S.F.		IP		Encl	<table border="1"> <tr><td>6</td><td>4</td><td>5</td></tr> <tr><td>1</td><td>2</td><td>3</td></tr> <tr><td>L1</td><td>L2</td><td>L3</td></tr> </table>		6	4	5	1	2	3	L1	L2	L3
6	4	5															
1	2	3															
L1	L2	L3															
Frame		P.F.		Code		Type											
Voltage		Hz		Ins Cl		Rating	°C Amb Cont										
Amps		RPM		Design		Date											
Nom. Eff.	FL	% 3/4	%	V	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: LGHP 2 (compatible with polyrex)												
	50Hz	HP	V	A	rpm	S.F.1.0											
WorldWide Electric Corporation																	

Model	PEWWE125-18-575-444T								
HP	125	S.F.	1.25	IP	IP55	Encl	TEFC		
Frame	444T	P.F.	0.84	Code	G	Amb.	40°C		
Voltage	575 V	Hz	60 Hz	Ins Cl	F	DE Brng	NU318 C3		
Amps	117A	RPM	1790	Design	B	ODE Brng	6313 C3		
Nom. Eff.	FL	95.4%	3/4	95.6%					

50Hz	125 HP	500 V	136 A	1490 RPM
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