

DATA SHEET

Premium Efficiency Motor: **PEWWE125-12-445T**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Customer:

MOTOR INFORMATION	
HP	125
RPM	1200
Phase	3
Frequency	60 Hz
Voltage	230/460 V
Frame Size	445T
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	6
Full Load Speed	1195
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	G
Duty Cycle	S1 / Continuous
Slip	0.83%
NEMA Design	B
Moment of Inertia	65.4 lb.ft.^2
Locked Rotor Time (Hot)	15 seconds
Sound Pressure Level	75 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 T3A(180°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%	95.0 %	0.81
75%	95.3 %	0.77
50%	94.7 %	0.67

TORQUE		
FULL LOAD	LRT	BDT
551 lb.ft.	150 %	240 %

AMPERAGE INFORMATION		
	230V	460V
Full Load Amps	304A	152A
Locked Rotor Amps	1815A	907.5A
No Load Current	121A	60.5A
Usable at 208V	336A	

BEARING INFORMATION	
DE Bearing	NU318 C3
ODE Bearing	6313 C3
Grease Type	SKF LGHP 2
DE Regreasing Interval	2200 Hours
ODE Regreasing Interval	4500 Hours

ADDITIONAL DATA	
F2 Suitable	Yes
Shaft Material	1045 Carbon Steel
Connection Diagram	230 / 460 V - 12 Lead Δ
Approximate Weight	1598 lbs.

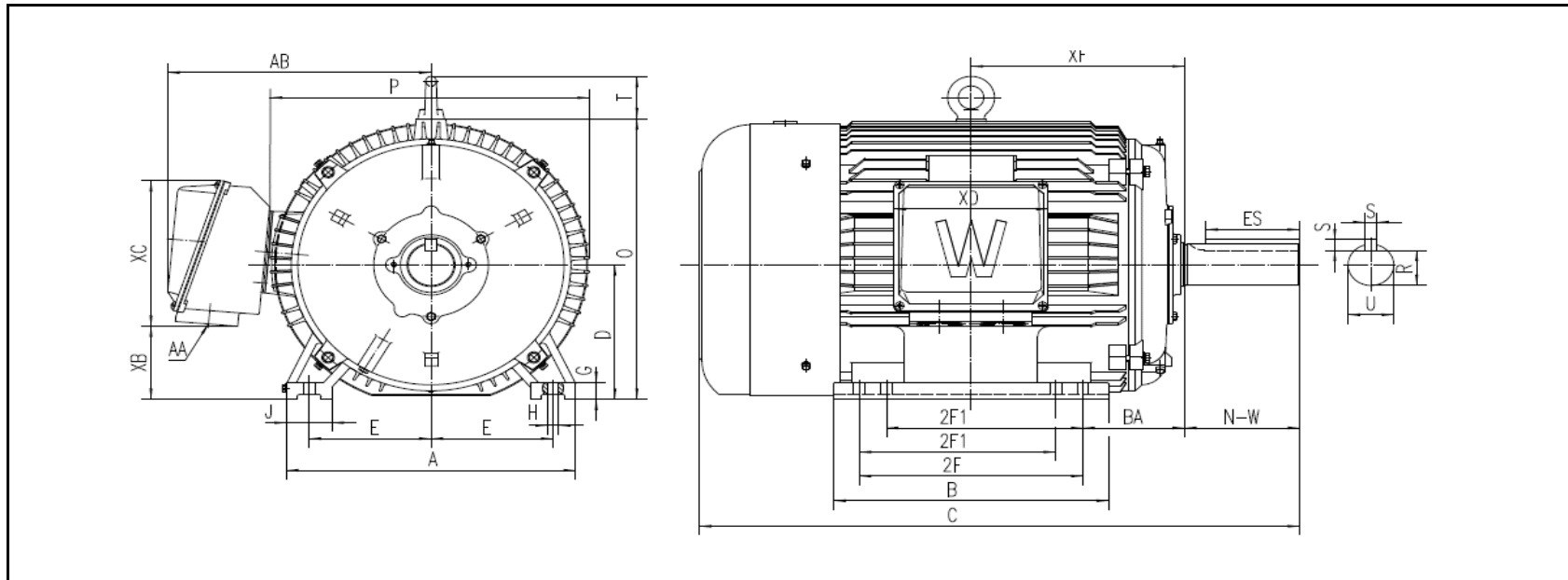
MOTOR DRAWING

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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	16.5	0.81	7.5	21.339	20.276	44.309	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	15.748

PERFORMANCE CURVES

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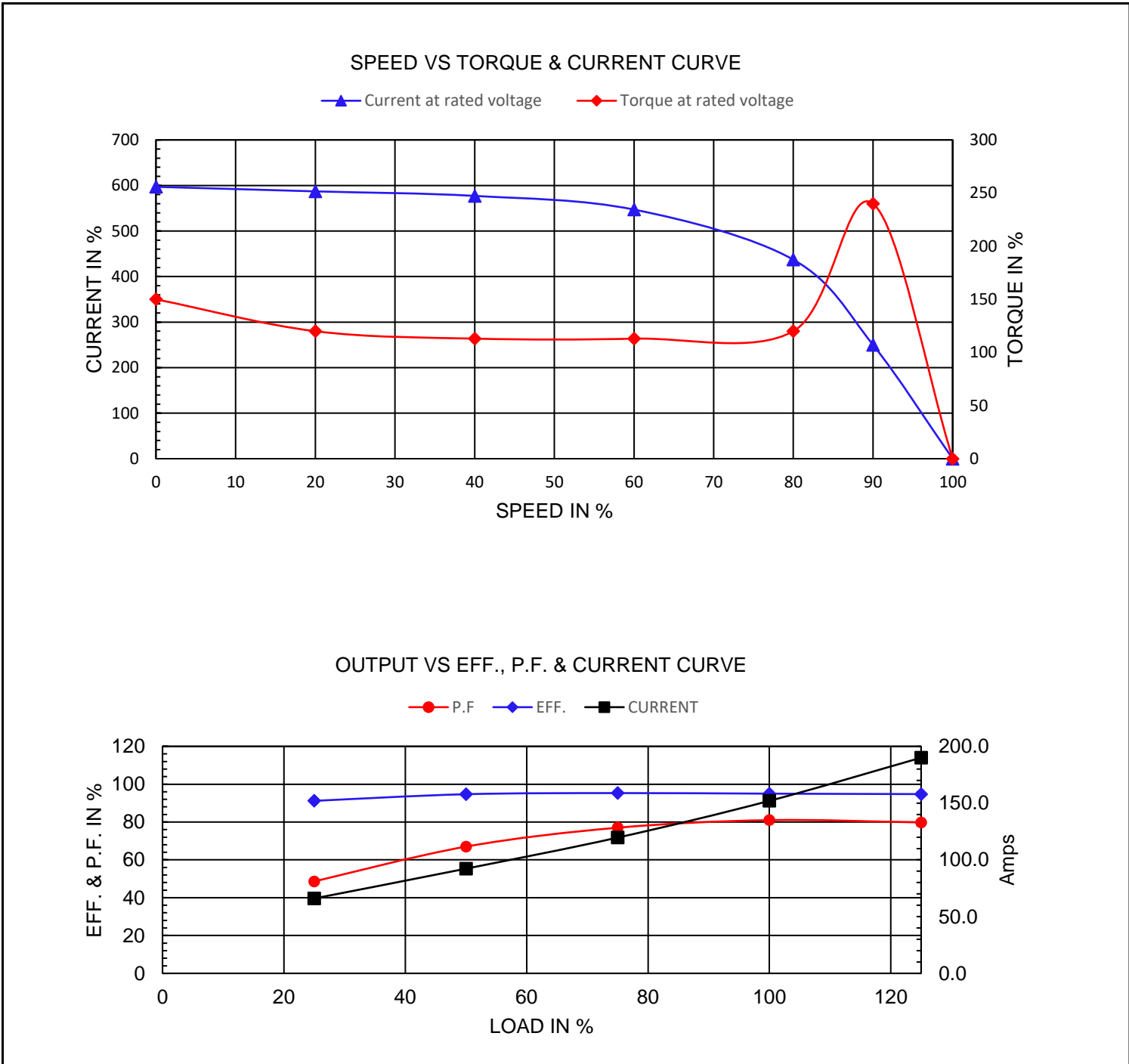
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Motor Type	PEWWE		FL Speed	1195		
Output Rating (HP)	125		LRT (%FLT)	150	460 volt FLA	152 A
Full Load Torque	551 lb.ft		BDT (%FLT)	240	230 volt FLA	304 A
Rotor Wk^2	65.4 lb-ft^2					



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	DE Brng			
Class I Zone 2 IIC			Amb.55°C	ODE Brng			
				Grease type: LGHP 2 (compatible with polyrex)			
50Hz		HP	V	A	rpm	1.0SF	
WorldWide Electric Corporation							

Model	PEWWE125-12-445T						
HP	125	S.F.	1.25	IP	IP55	Encl	TEFC
Frame	445T	P.F.	0.81	Code	G	Type	
Voltage	230/460 V	Hz	60 Hz	Ins Cl	F	Ambient	40°C
Amps	304/152	RPM	1195	Design	B	DE Brng NU318 C3	
Nom.Eff.	FL	95.0%	3/4	95.3%	ODE Brng 6313 C3		
Class 1 Division 2 Groups A,B,C,D					T3A(180°C)		
					Grease type: SKF LGHP 2		
50Hz	125 HP	200/400 V	354/177	A	990 rpm		