

DATA SHEET

Premium Efficiency Motor: **PEWWE125-36-444TS**

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	3600
Phase	3
Frequency	60Hz
Voltage	230/460 V
Frame Size	444TS
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	2
Full Load Speed	3575
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	G
Duty Cycle	S1 / Continuous
Slip	0.69%
NEMA Design	B
Moment of Inertia	23.4 lb.ft.^2
Locked Rotor Time (Hot)	18 seconds
Sound Pressure Level	85 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%	95.0 %	0.9
75%	95.2 %	0.89
50%	94.3 %	0.85

TORQUE

FULL LOAD	LRT	BDT
184 lb.ft.	160 %	240 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	274A	137A
Locked Rotor Amps	1815A	907.5A
No Load Current	63A	31.5A
Usable at 208V	303A	

BEARING INFORMATION

DE Bearing	6313 C3
ODE Bearing	6313 C3
Grease Type	SKF LGHP 2
DE Regreasing Interval	1800 Hours
ODE Regreasing Interval	1800 Hours

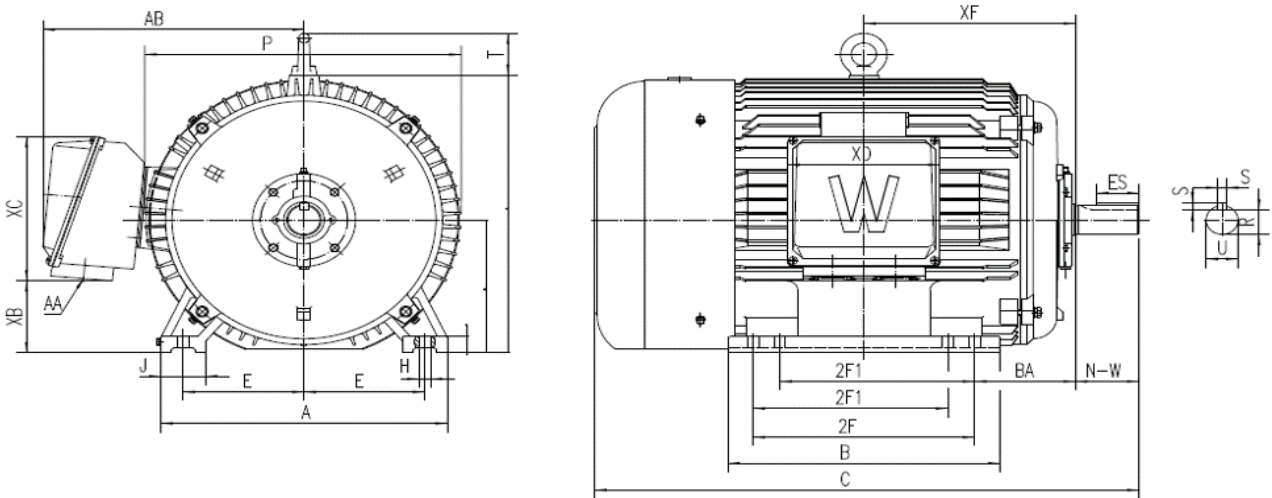
ADDITIONAL DATA

F2 Suitable	Yes
Shaft Material	1045 Carbon Steel
Connection Diagram	230 / 460 V - 12 Lead Δ
Approximate Weight	1328 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	37.758	11	1.378	3.346	23.574	22.969	3.465	19.436

SHAFT & KEY				
S	ES	R	N-W	U
0.625	3.03	2.021	4.75	2.375

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

PERFORMANCE CURVES

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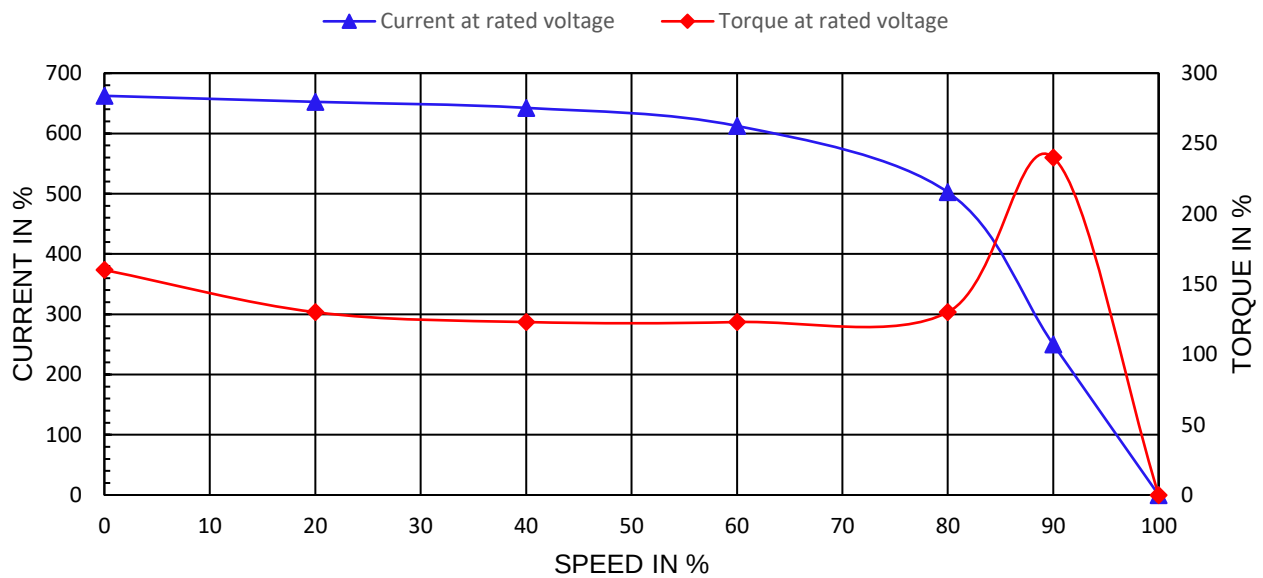
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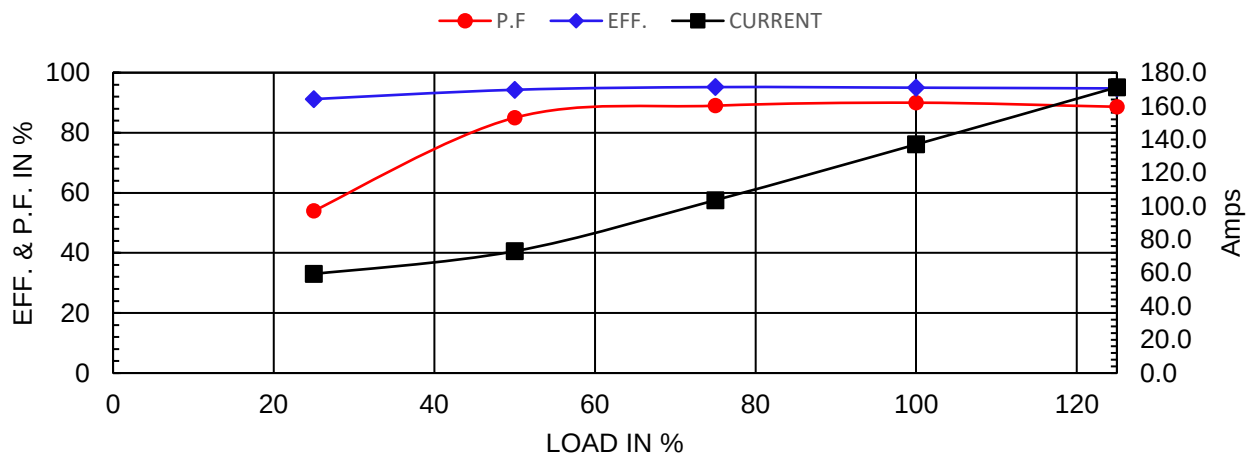
Customer:

Motor Type	PEWWE		FL Speed	3575		
Output Rating (HP)	125		LRT (%FLT)	160	460 volt FLA	137 A
Full Load Torque	184 lb.ft		BDT (%FLT)	240	230 volt FLA	274 A
Rotor Wk^2	23.4 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 	
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 Class I Zone 2 IIC				DE Brng ODE Brng Grease type: LGHP 2 (compatible with polyrex)			
Amb.40°C Amb.55°C							
50Hz HP V A rpm 1.0SF							
WorldWide Electric Corporation							

Model PEWWE125-36-444TS

HP 125 S.F. 1.25 IP IP55 Encl TEFC

Frame 444TS P.F. 0.9 Code G Type

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

Amps 274/137 RPM 3575 Design B DE Brng 6313 C3

Nom.Eff. FL 95.0% 3/4 95.2% ODE Brng 6313 C3

Grease type: SKF LGHP 2

50Hz 125 HP 200/400 V 318/159 A 2975 rpm