

DATA SHEET

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

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



Document Generated: 16-Feb-2023

Document ID:

Customer:

MOTOR INFORMATION

HP	125
RPM	3600
Phase	3
Frequency	60Hz
Voltage	230/460 V
Frame Size	444TSC
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.

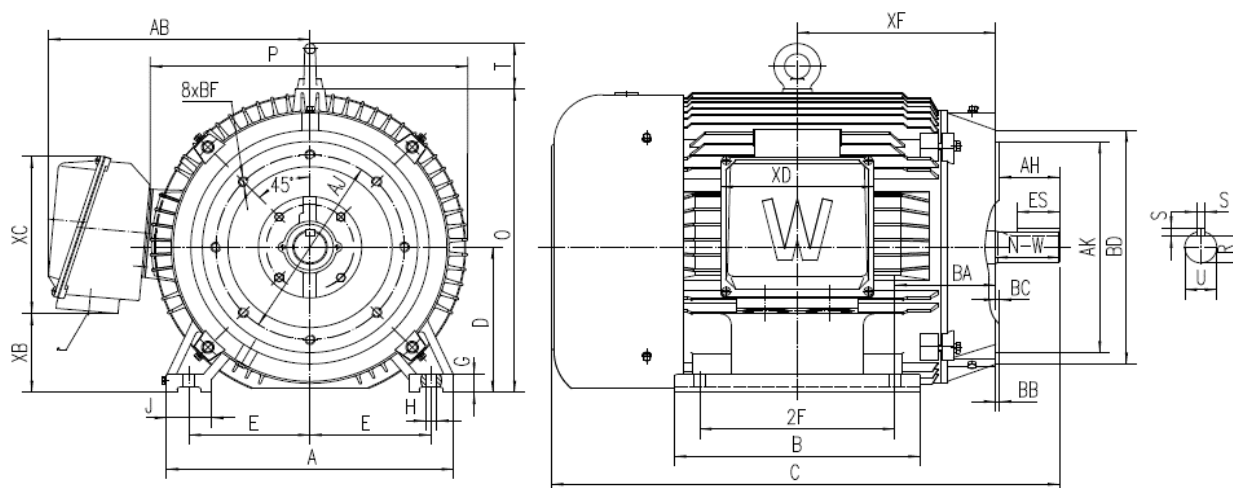
MOTOR DRAWING

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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	AH	U
0.625	3.03	2.021	4.75	4.5	2.375

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

FLANGE					
AJ	AK	BB	BD	BF	BC
14	16	0.25	17.717	5/8-11	0.25

PERFORMANCE CURVES

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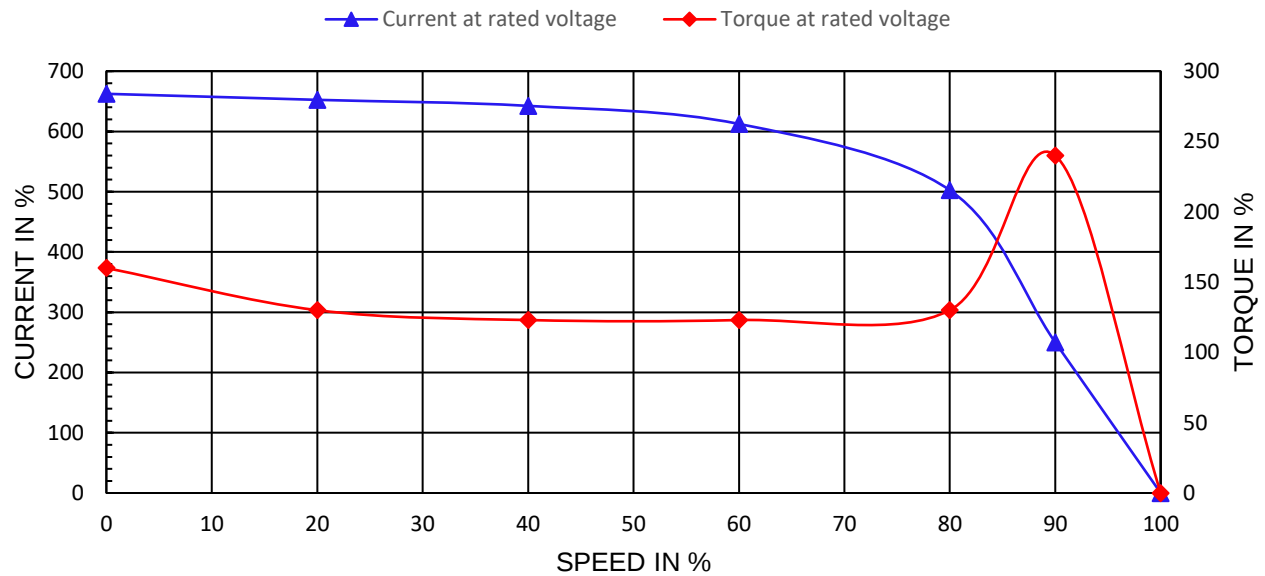
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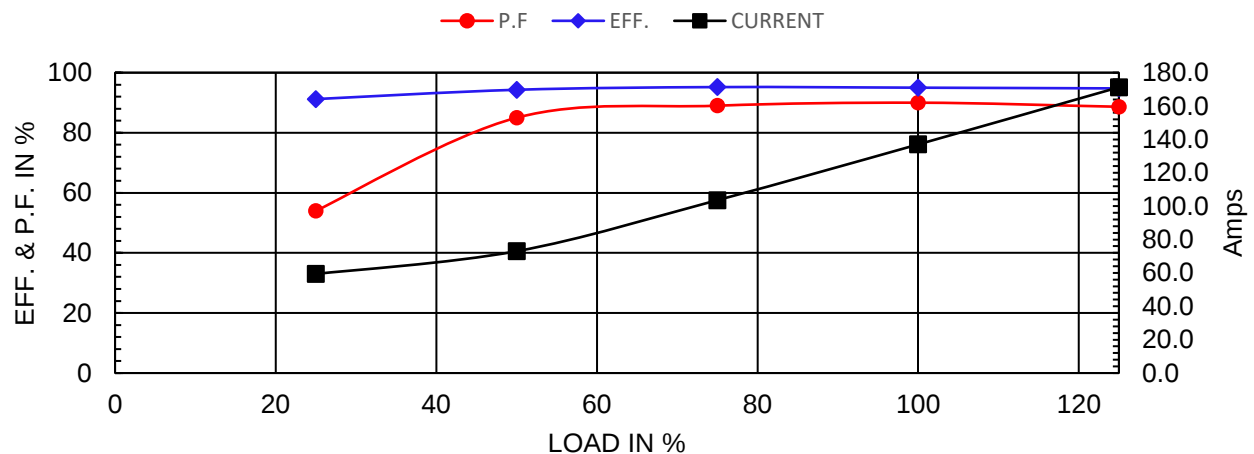
Customer:

Motor Type	PEWWE				
Output Rating (HP)	125		FL Speed	3575	
Full Load Torque	184 lb.ft		LRT (%FLT)	160	460 volt FLA 137
Rotor Wk^2	23.4 lb-ft^2		BDT (%FLT)	240	230 volt FLA 274

SPEED VS TORQUE & CURRENT CURVE



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



NAMEPLATE / WIRING

Premium Efficiency Motor:

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SAMPLE NAMEPLATE DATA

		NEMA Premium		3-PHASE INDUCTION MOTOR		259277 		CE CC006A																
Model				Ser No.				Low Voltage																
HP		S.F.		IP		Encl		<table border="1"> <tr><td>6</td><td>4</td><td>5</td></tr> <tr><td>7</td><td>8</td><td>9</td></tr> <tr><td>12</td><td>10</td><td>11</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	7	8	9	12	10	11	1	2	3	L1	L2	L3
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Frame		P.F.		Code		Type		High Voltage																
Voltage	230/460	Hz		Ins Cl		Rating	°C Amb Cont	<table border="1"> <tr><td>4</td><td>5</td><td>6</td></tr> <tr><td>7</td><td>8</td><td>9</td></tr> <tr><td>12</td><td>10</td><td>11</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>		4	5	6	7	8	9	12	10	11	1	2	3	L1	L2	L3
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L1	L2	L3																						
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 II C				Amb.55°C		ODE Brng																		
						Grease type: LGHP 2 (compatible with polyrex)																		
50Hz		HP	V	A	rpm	1.0SF																		
WorldWide Electric Corporation																								

Model	PEWWE125-36-444TSC						
HP	125	S.F.	1.25	IP	IP55	Encl	TEFC
Frame	444TSC	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	