



WORLDWIDE ELECTRIC MOTOR DATA SHEET



PEWWE125-9-445/7T

HORSEPOWER	125		
RPM / POLES	900 / 8		
VOLTAGE / PHASE	230 / 460 V / 3		
FRAME	445/7T		
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP55		
FREQUENCY	60 HZ Suitable For 50 HZ Operation With 1.0 SF		
FULL LOAD SPEED	890 RPM		
SERVICE FACTOR	1.25		
INSULATION CLASS	F		
FULL LOAD AMPS; 230 / 460	336 / 168 A (Usable On 208V At 371 A)		
LOCKED ROTOR AMPS (STARTING); 230 / 460	1815 / 907.5 A		
NO LOAD CURRENT	151 / 75.5 A		
NEMA CODE LETTER	G		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	100 %	94.1%	0.74
	75 %	94.4%	0.70
	50 %	93.9%	0.60
DUTY CYCLE	S1 / Continuous		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	737 lb.ft.	140%	200%
SLIP	1.1%		
NEMA DESIGN	B		
MOMENT OF INERTIA	74.7 lb.ft. ²		
MAX. TIME LOCKED ROTOR (Hot)	12 Seconds		
SOUND PRESSURE LEVEL	75 dB (A)		
MAX. AMBIENT TEMPERATURE	40° C		
MAX. ELEVATION	3300 Ft.		
TEMPERATURE RISE (At Full Load)	80° C		
DE BEARING	NU319 C3		
ODE BEARING	6313 C3		
REGREASING INT. - DE BEARING	2500 Hours		
REGREASING INT. - ODE BEARING	4200 Hours		
GREASE TYPE	SKF LGHP 2		
MOUNTING	F1 (F2 Suitable)		
ROTATION	Bi-Directional		
SHAFT MATERIAL	1045 Carbon Steel		
INVERTER RATING	10:1 CT / 20:1 VT PWM Type		
CONNECTION DIAGRAM	230 / 460 V - 12 Lead Δ		
AREA CLASSIFICATION	Class I, Division 2, Groups A, B, C, D		
APPROXIMATE WEIGHT	1819 lbs.		



CC006A





WORLDWIDE ELECTRIC MOTOR DRAWING

PEWWE-445/7T



DIMENSIONS - INCHES

MOUNTING					A	B	C	D	G	J	P	L	AB
E	2F1	2F2	H	BA									
9	16.5	20	0.81	7.5	22	24	47.4	11	1.38	3.4	23.5	23	20

KEY		KEYSET	SHAFT		TERMINAL BOX				
S	ES	R	N-W	U	AA	XB	XC	XD	XE
0.875	6.91	2.88	8.5	3.375	2 x 3	5.9	12	11.5	17.5

PERFORMANCE CURVES

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net

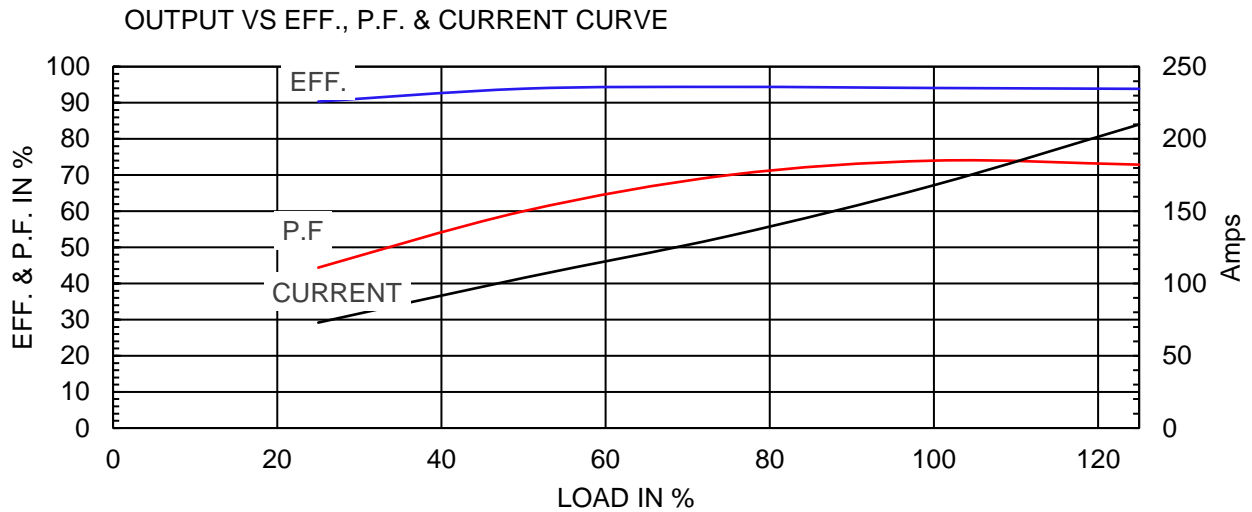
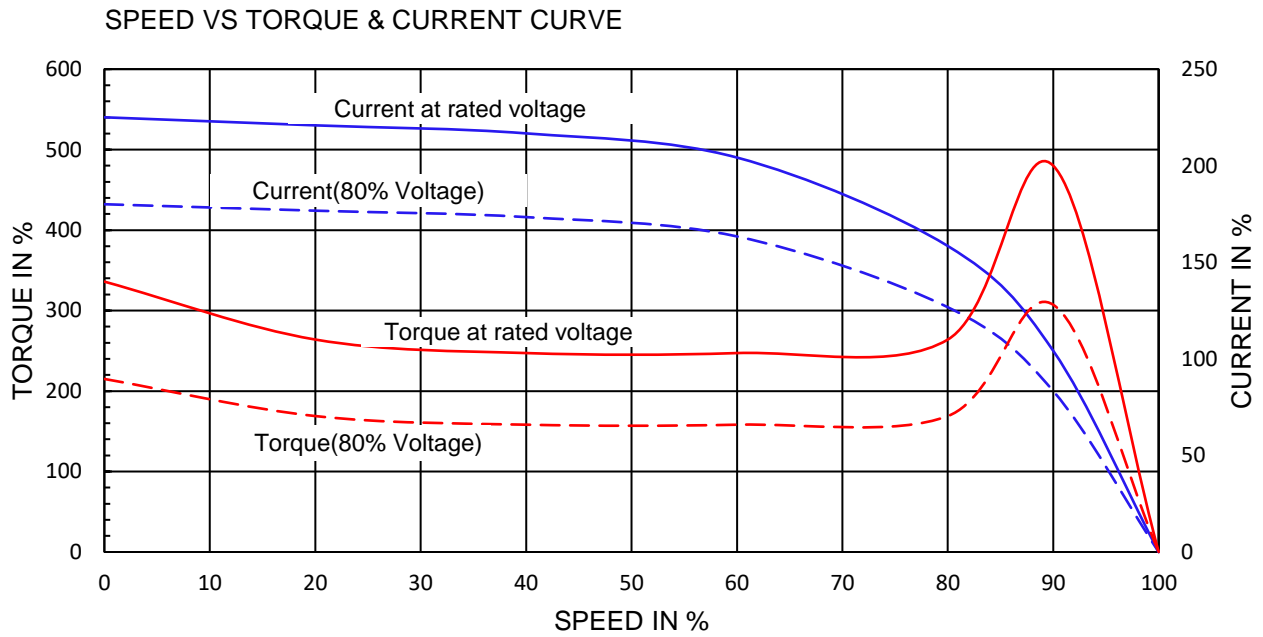


Premium Efficiency Motor:

PEWWE125-9-445/7T

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Document ID:	

Motor Type	PEWWE		FL Speed	890		
Output Rating (HP)	125		LRT (%FLT)	140	460 volt FLA	168
Full Load Torque	737	lb.ft	BDT (%FLT)	200	230 volt FLA	336A
Rotor Wk^2	74.7	lb-ft^2				



NAMEPLATE / WIRING

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



Premium Efficiency Motor:

PEWWE125-9-445/7T

Document Generated: 21-Aug-2019
Document ID:

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SAMPLE NAMEPLATE DATA

		PREMIUM EFFICIENCY 3-PHASE INDUCTION MOTOR				259277 CC006A ISO9001																			
Model	PEWWE125-9-445/7T			Ser No.	ZP																				
HP	125	S.F.	1.25	Type		Encl	TEFC IP55																		
Frame	445/7T	P.F.	0.74	Ins Cl	F	Rating	40°C Amb Cont																		
Voltage	230/460	Hz	60 Hz	Design	B	DE Brng	NU319 C3																		
Amps	336A / 168A	RPM	890	Code	G	ODE Brng	6313 C3																		
Nom.Eff.	FL 94.1 %	3/4 94.4 %	230/460V		Date																				
Usable on 208V network at		371	Amps	1.0SF	Class I DIV. 2 Groups A B C D	Amb.40°C	T3A(180°C)																		
10:1 CT		20:1 VT	PWM	VFD 1.0SF	Class I Zone 2	IIC	Amb.55°C T3(200°C)																		
50Hz		125	HP	200/400 V	V	396 / 198	A 740 rpm 1.0SF																		
WorldWide Electric Corporation																									
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