



**WORLDWIDE ELECTRIC MOTOR DATA SHEET**

**PEWWE100-12-444T**



HORSEPOWER	<b>100</b>		
RPM / POLES	<b>1200 / 6</b>		
VOLTAGE / PHASE	<b>230 / 460 V / 3</b>		
FRAME	<b>444T</b>		
ENCLOSURE / DEGREE OF PROTECTION	<b>TEFC / IP55</b>		
FREQUENCY	<b>60 HZ Suitable For 50 HZ Operation With 1.0 SF</b>		
FULL LOAD SPEED	<b>1190 RPM</b>		
SERVICE FACTOR	<b>1.25</b>		
INSULATION CLASS	<b>F</b>		
FULL LOAD AMPS; 230 / 460	<b>243 / 122 A (Usable On 208V At 269 A)</b>		
LOCKED ROTOR AMPS (STARTING); 230 / 460	<b>1450 / 725 A</b>		
NO LOAD CURRENT	<b>91 / 45.5 A</b>		
NEMA CODE LETTER	<b>G</b>		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	<b>100 %</b>	<b>95.0%</b>	<b>0.81</b>
	<b>75 %</b>	<b>95.3%</b>	<b>0.78</b>
	<b>50 %</b>	<b>94.6%</b>	<b>0.69</b>
DUTY CYCLE	<b>S1 / Continuous</b>		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	<b>441 lb.ft.</b>	<b>150%</b>	<b>230%</b>
SLIP	<b>0.83%</b>		
NEMA DESIGN	<b>B</b>		
MOMENT OF INERTIA	<b>55.7 lb.ft.<sup>2</sup></b>		
MAX. TIME LOCKED ROTOR (Hot)	<b>19 Seconds</b>		
SOUND PRESSURE LEVEL	<b>74 dB (A)</b>		
MAX. AMBIENT TEMPERATURE	<b>40° C</b>		
MAX. ELEVATION	<b>3300 Ft.</b>		
TEMPERATURE RISE (At Full Load)	<b>80° C</b>		
DE BEARING	<b>NU318 C3</b>		
ODE BEARING	<b>6313 C3</b>		
REGREASING INT. - DE BEARING	<b>2200 Hours</b>		
REGREASING INT. - ODE BEARING	<b>4500 Hours</b>		
GREASE TYPE	<b>SKF LGHP 2</b>		
MOUNTING	<b>F1 (F2 Suitable)</b>		
ROTATION	<b>Bi-Directional</b>		
SHAFT MATERIAL	<b>1045 Carbon Steel</b>		
INVERTER RATING	<b>10:1 CT / 20:1 VT PWM Type</b>		
CONNECTION DIAGRAM	<b>230 / 460 V - 12 Lead Δ</b>		
AREA CLASSIFICATION	<b>Class I, Division 2, Groups A, B, C, D</b>		
APPROXIMATE WEIGHT	<b>1425 lbs.</b>		



**CC006A**





# WORLDWIDE ELECTRIC MOTOR DRAWING

## PEWWE-444T



**DIMENSIONS - INCHES**

MOUNTING					A	B	C	D	G	J	P	L	AB
E	2F1	2F2	H	BA									
9	-	14.5	0.81	7.5	22	18.5	41.9	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	14.75

# PERFORMANCE CURVES

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net

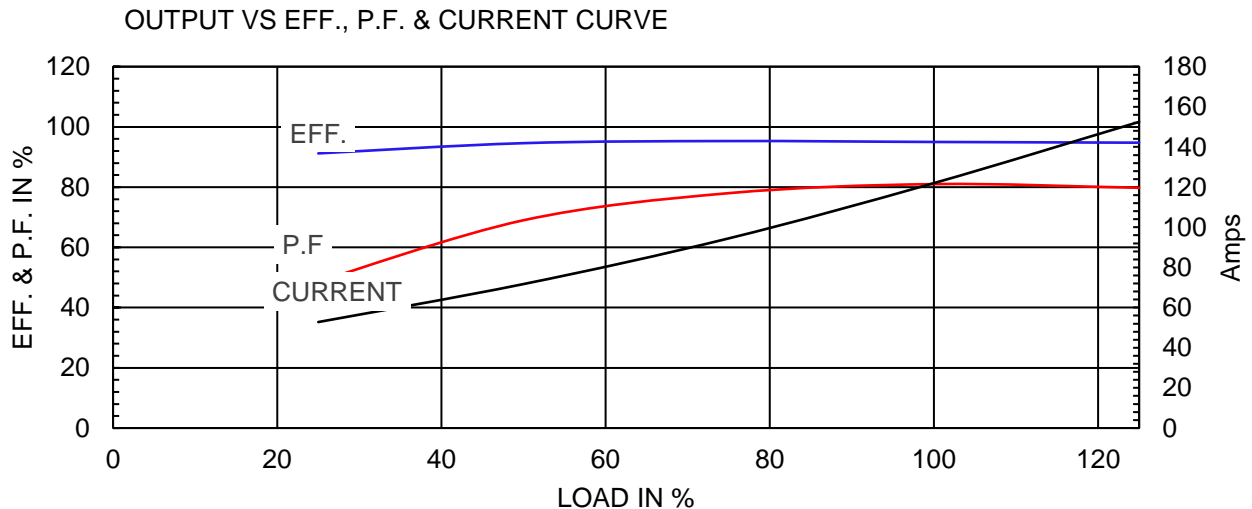
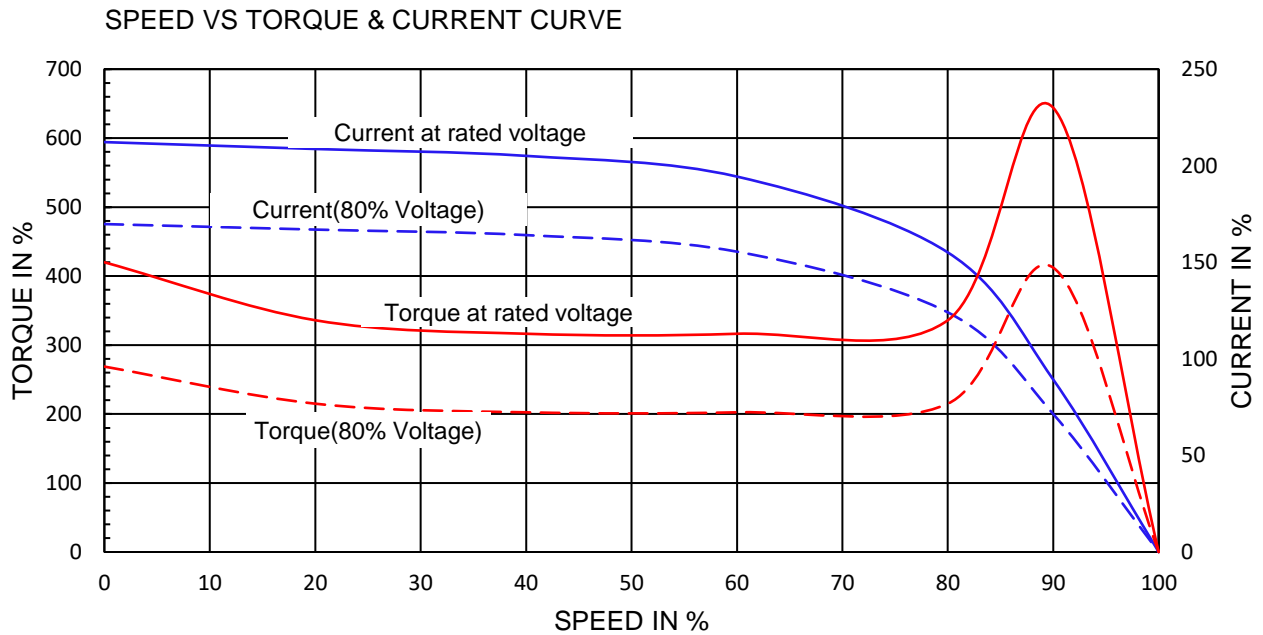


Premium Efficiency Motor:

**PEWWE100-12-444T**

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Motor Type	PEWWE		
Output Rating (HP)	100	FL Speed	1190
Full Load Torque	441 lb.ft	LRT (%FLT)	150
		460 volt FLA	122
Rotor Wk^2	55.7 lb-ft^2	BDT (%FLT)	230
		230 volt FLA	243A



# NAMEPLATE / WIRING

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



Premium Efficiency Motor:

**PEWWE100-12-444T**

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Customer:

## SAMPLE NAMEPLATE DATA

		<b>PREMIUM EFFICIENCY</b> <b>3-PHASE INDUCTION MOTOR</b>				259277 CC006A ISO9001				
Model	PEWWE100-12-444T			Ser No.	ZP			<b>Low Voltage</b> 6 4 5 7 8 9 12 10 11 1 2 3 L1 L2 L3		
HP	100	S.F.	1.25	Type		Encl	TEFC	IP55	<b>High Voltage</b> 4 5 6 7 8 9 12 10 11 1 2 3 L1 L2 L3	
Frame	444T	P.F.	0.82	Ins Cl	F	Rating	40°C	Amb Cont		
Voltage	230/460	Hz	60 Hz	Design	B	DE Brng	NU318 C3			
Amps	243A / 122A	RPM	1190	Code	G	ODE Brng	6313 C3			
Nom.Eff.	FL 95.0 %	3/4	95.3 %	230/460V		Date				
Usable on 208V network at 265 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 100 HP 200/400 V V 284 / 142 A 990 rpm 1.0SF										
<b>WorldWide Electric Corporation</b>										

