



WORLDWIDE ELECTRIC MOTOR DATA SHEET

**PEWWE100-36-405TS**



HORSEPOWER	<b>100</b>		
RPM / POLES	<b>3600 / 2</b>		
VOLTAGE / PHASE	<b>230 / 460 V / 3</b>		
FRAME	<b>405TS</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>3575 RPM</b>		
SERVICE FACTOR	<b>1.25</b>		
INSULATION CLASS	<b>F</b>		
FULL LOAD AMPS; 230 / 460	<b>221 / 111 A (Usable On 208V At 244 A)</b>		
LOCKED ROTOR AMPS (STARTING); 230 / 460	<b>1450 / 725 A</b>		
NO LOAD CURRENT	<b>54 / 27 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>94.1%</b>	<b>0.90</b>
	<b>75 %</b>	<b>94.3%</b>	<b>0.88</b>
	<b>50 %</b>	<b>93.2%</b>	<b>0.83</b>
DUTY CYCLE	<b>S1 / Continuous</b>		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	<b>147 lb.ft.</b>	<b>160%</b>	<b>260%</b>
SLIP	<b>0.69 %</b>		
NEMA DESIGN	<b>B</b>		
MOMENT OF INERTIA	<b>14.8 lb.ft.<sup>2</sup></b>		
MAX. TIME LOCKED ROTOR (Hot)	<b>17 Seconds</b>		
SOUND PRESSURE LEVEL	<b>82 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>6313 C3</b>		
ODE BEARING	<b>6313 C3</b>		
REGREASING INT. - DE BEARING	<b>1800 Hours</b>		
REGREASING INT. - ODE BEARING	<b>1800 Hours</b>		
GREASE TYPE	<b>SKF LGHP 2</b>		
MOUNTING	<b>F1</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 WEIG	259277		



**CC006A**



# WORLDWIDE ELECTRIC MOTOR DRAWING

## PEWWE-405TS



**DIMENSIONS - INCHES**

MOUNTING					A	B	C	D	G	J	P	L	AB
E	2F1	2F2	H	BA									
8	12.25	13.75	0.81	6.62	20	17	35.1	10	1.18	3.2	21.6	21.1	19

KEY		KEYSET	SHAFT		TERMINAL BOX				
S	ES	R	N-W	U	AA	XB	XC	XD	XE
0.5	2.78	1.845	4.25	2.125	3	4.6	12	9.8	13.5

# PERFORMANCE CURVES

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net

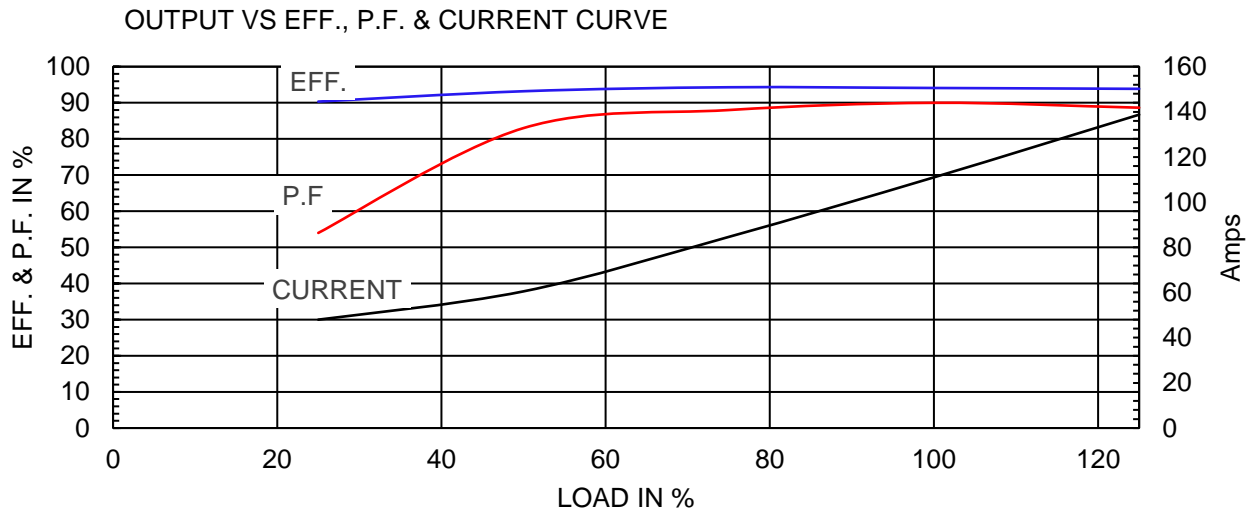
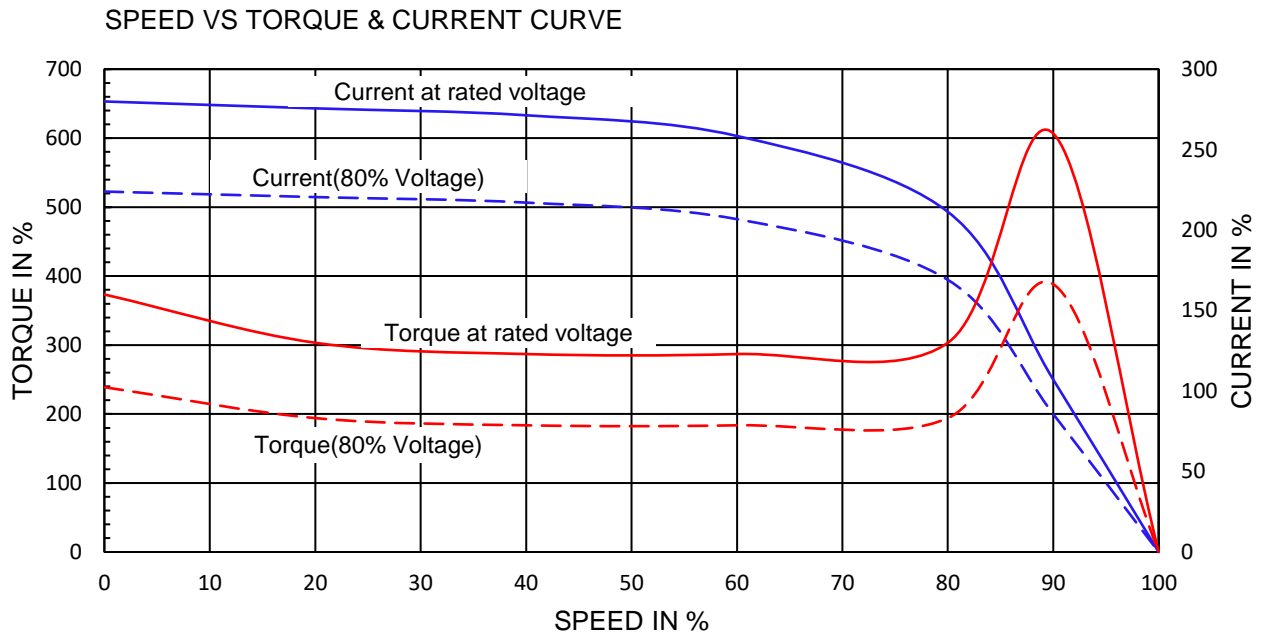


Premium Efficiency Motor:

**PEWWE100-36-405TS**

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Motor Type	PEWWE		
Output Rating (HP)	100	FL Speed	3575
Full Load Torque	147 lb.ft	LRT (%FLT)	160
		460 volt FLA	111
Rotor Wk^2	14.8 lb-ft^2	BDT (%FLT)	260
		230 volt FLA	221A



# NAMEPLATE / WIRING

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



Premium Efficiency Motor: **PEWWE100-36-405TS**

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## SAMPLE NAMEPLATE DATA

	<b>PREMIUM EFFICIENCY</b> <b>3-PHASE INDUCTION MOTOR</b>	259277 CC006A ISO9001 
<b>Model</b> PEWWE100-36-405TS <b>Ser No.</b> ZP	<b>Low Voltage</b> 6 4 5 7 8 9 12 10 11 1 2 3 L1 L2 L3	
<b>HP</b> 100 <b>S.F.</b> 1.25 <b>Type</b> <b>Encl</b> TEFC IP55	<b>High Voltage</b> 4 5 6 7 8 9 12 10 11 1 2 3 L1 L2 L3	
<b>Frame</b> 405TS <b>P.F.</b> 0.9 <b>Ins Cl</b> F <b>Rating</b> 40°C Amb Cont		
<b>Voltage</b> 230/460 <b>Hz</b> 60Hz <b>Design</b> B <b>DE Brng</b> 6313 C3		
<b>Amps</b> 221A / 111A <b>RPM</b> 3575 <b>Code</b> G <b>ODE Brng</b> 6313 C3		
<b>Nom.Eff.</b> FL 94.1%      3/4 94.3%      230/460V <b>Date</b>		
Usable on 208V network at 244 Amps 1.0SF 10:1 CT 20:1 VT PWM VFD 1.0SF	Class I DIV. 2 Groups A B C D Class I Zone 2 IIC	Amb.40°C T3A(180°C) Amb.55°C T3(200°C)
50Hz 100 HP 200/400 V V 255 / 128 A 2975 rpm 1.0SF		
<b>WorldWide Electric Corporation</b>		

