



**WORLDWIDE ELECTRIC MOTOR DATA SHEET**

**PEWWE150-12-445/7T**



HORSEPOWER	<b>150</b>		
RPM / POLES	<b>1200 / 6</b>		
VOLTAGE / PHASE	<b>230 / 460 V / 3</b>		
FRAME	<b>445/7T</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>358 / 179 A (Usable On 208V At 396 A)</b>		
LOCKED ROTOR AMPS (STARTING); 230 / 460	<b>2170 / 1085 A</b>		
NO LOAD CURRENT	<b>143 / 71.5 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>95.8%</b>	<b>0.82</b>
	<b>75 %</b>	<b>95.9%</b>	<b>0.78</b>
	<b>50 %</b>	<b>95.2%</b>	<b>0.67</b>
DUTY CYCLE	<b>S1 / Continuous</b>		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	<b>662 lb.ft.</b>	<b>160%</b>	<b>250%</b>
SLIP	<b>0.83 %</b>		
NEMA DESIGN	<b>B</b>		
MOMENT OF INERTIA	<b>88.7 lb.ft.<sup>2</sup></b>		
MAX. TIME LOCKED ROTOR (Hot)	<b>16 Seconds</b>		
SOUND PRESSURE LEVEL	<b>76 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>NU319 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>2013 lbs.</b>		



**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

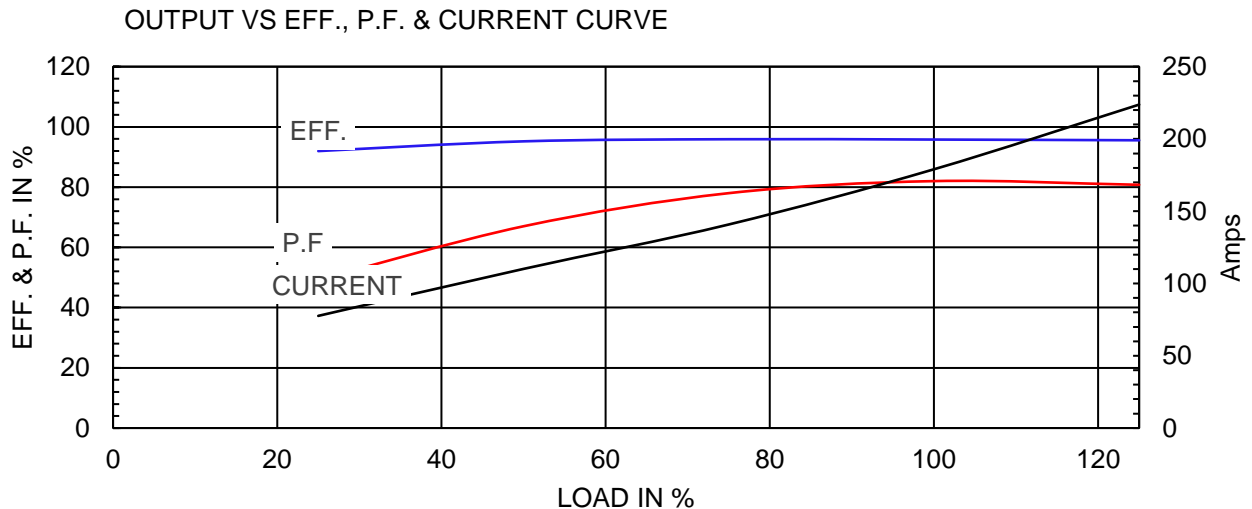
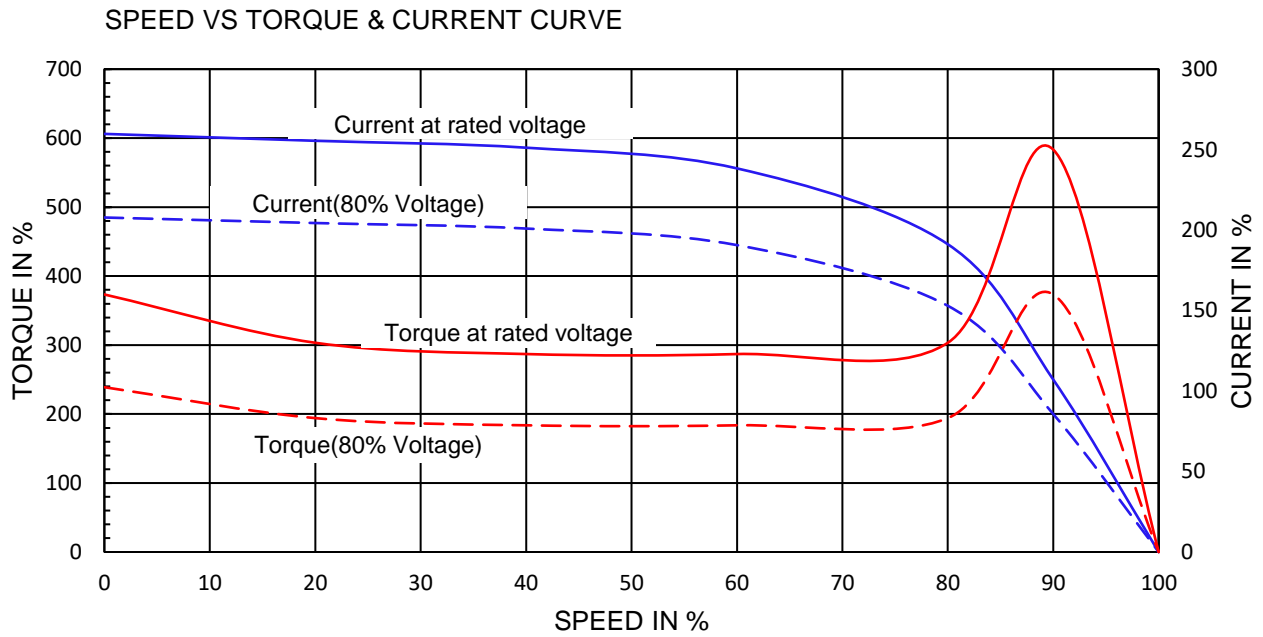
Worldwideelectric.net



Premium Efficiency Motor: **PEWWE150-12-445/7T**

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Motor Type	PEWWE		FL Speed	1190	
Output Rating (HP)	150		LRT (%FLT)	160	
Full Load Torque	662	lb.ft	460 volt FLA	179	
Rotor Wk^2	88.7	lb-ft^2	230 volt FLA	358A	
			BDT (%FLT)	250	



# NAMEPLATE / WIRING

WorldWide Electric Corporation

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Worldwideelectric.net



Premium Efficiency Motor: **PEWWE150-12-445/7T**

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## SAMPLE NAMEPLATE DATA

	<b>PREMIUM EFFICIENCY 3-PHASE INDUCTION MOTOR</b>	259277 CC006A ISO9001	
<b>Model</b> PEWWE150-12-445/7T	<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> 150 <b>S.F.</b> 1.25 <b>Type</b> <b>Encl</b> TEFC IP55	<b>Frame</b> 445/7T <b>P.F.</b> 0.82 <b>Ins Cl</b> F <b>Rating</b> 40°C Amb Cont	<b>High Voltage</b> 4 5 6 7 8 9 12 10 11 1 2 3 L1 L2 L3	
<b>Voltage</b> 230/460 <b>Hz</b> 60 Hz <b>Design</b> B <b>DE Brng</b> NU319 C3	<b>Amps</b> 358A / 179A <b>RPM</b> 1190 <b>Code</b> G <b>ODE Brng</b> 6313 C3		
<b>Nom.Eff.</b> FL 95.8%    3/4 95.9%    230/460V <b>Date</b>	Usable on 208V network at 396 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 150 HP 200/400 V V 418 / 209 A 990 rpm 1.0SF			
<b>WorldWide Electric Corporation</b>			

