



WORLDWIDE ELECTRIC MOTOR DATA SHEET

PEWWE20-9-324T



HORSEPOWER	20		
RPM / POLES	900 / 8		
VOLTAGE / PHASE	230 / 460 V / 3		
FRAME	324T		
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP55		
FREQUENCY	60 HZ Suitable For 50 HZ Operation With 1.0 SF		
FULL LOAD SPEED	875 RPM		
SERVICE FACTOR	1.25		
INSULATION CLASS	F		
FULL LOAD AMPS; 230 / 460	52.6 / 26.3 A (Usable On 208V At 58.1 A)		
LOCKED ROTOR AMPS (STARTING); 230 / 460	290 / 145 A		
NO LOAD CURRENT	23 / 11.5 A		
NEMA CODE LETTER	G		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	100 %	90.2%	0.79
	75 %	91.2%	0.74
	50 %	91.1%	0.62
DUTY CYCLE	S1 / Continuous		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	120 lb.ft.	165%	220%
SLIP	2.78 %		
NEMA DESIGN	B		
MOMENT OF INERTIA	7.89 lb.ft. ²		
MAX. TIME LOCKED ROTOR (Hot)	13 Seconds		
SOUND PRESSURE LEVEL	68 dB (A)		
MAX. AMBIENT TEMPERATURE	40° C		
MAX. ELEVATION	3300 Ft.		
TEMPERATURE RISE (At Full Load)	80° C		
DE BEARING	6312 C3		
ODE BEARING	6311 C3		
REGREASING INT. - DE BEARING	6800 Hours		
REGREASING INT. - ODE BEARING	6800 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	478 lbs.		



CC006A





WORLDWIDE ELECTRIC MOTOR DRAWING

PEWWE-324T



DIMENSIONS - INCHES

MOUNTING					A	B	C	D	G	J	P	L	AB
E	2F1	2F2	H	BA									
6.25	-	10.5	0.66	5.25	16	13.5	29.6	8	0.99	2.8	15.7	16	14.5

KEY		KEYSET	SHAFT		TERMINAL BOX				
S	ES	R	N-W	U	AA	XB	XC	XD	XE
0.5	3.91	1.845	5.25	2.125	2	2.4	10.8	9	10.5

PERFORMANCE CURVES

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net

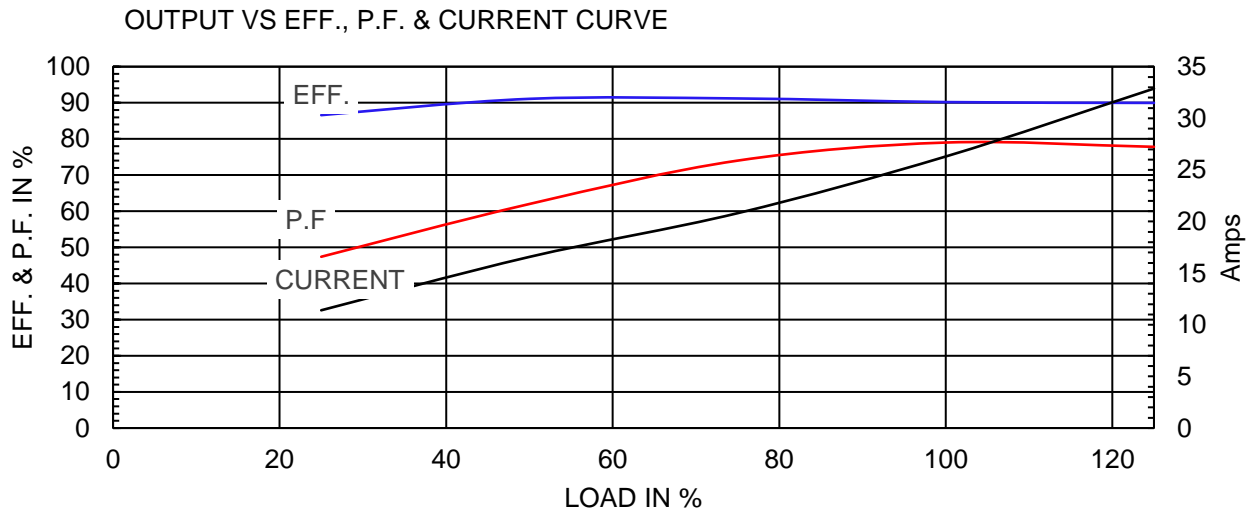
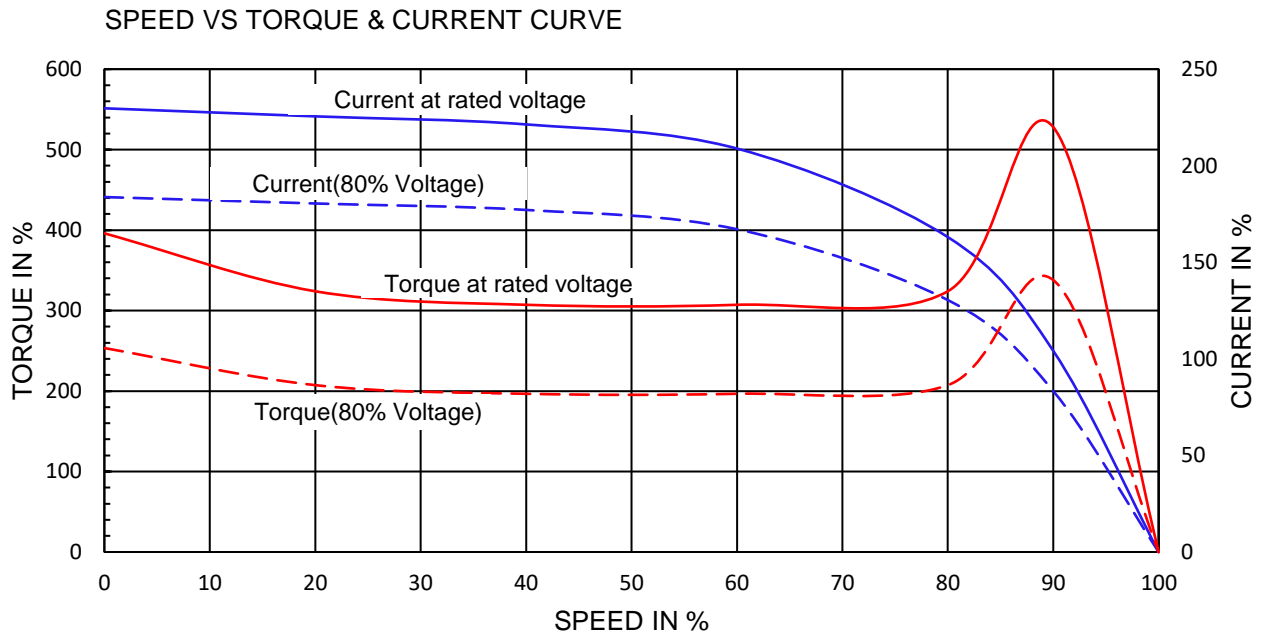


Premium Efficiency Motor:

PEWWE20-9-324T

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Motor Type	PEWWE		
Output Rating (HP)	20	FL Speed	875
Full Load Torque	120 lb.ft	LRT (%FLT)	165
Rotor Wk ²	7.89 lb-ft ²	BDT (%FLT)	220
		460 volt FLA	26.3
		230 volt FLA	52.6A



NAMEPLATE / WIRING

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



Premium Efficiency Motor:

PEWWE20-9-324T

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SAMPLE NAMEPLATE DATA

		PREMIUM EFFICIENCY 3-PHASE INDUCTION MOTOR		CC006A ISO9001	259277
Model	PEWWE20-9-324T	Ser No.	ZP		
HP	20	S.F.	1.15	Type	Encl TEFC IP55
Frame	324T	P.F.	0.79	Ins Cl	F
Voltage	230/460	Hz	60Hz	Design	B
Amps	52.6A / 26.3A	RPM	875	Code	G
Nom. Eff.	FL 90.2%	3/4 91.2%	230/460 V	Date	
Usable on 208V network at 58 Amps 1.0SF		Class I DIV. 2 Groups A B C D		Amb. 40°C	T3C(160°C)
10:1 CT 20:1 VT PWM VFD 1.0SF		Class I Zone 2 IIC		Amb. 55°C	T3A(180°C)
50Hz 20 HP 200/400 V V 62 / 31 A 725 rpm 1.0SF					
WorldWide Electric Corporation					

Low Voltage

6	4	5
7	8	9
12	10	11
1	2	3
L1	L2	L3

High Voltage

4	5	6
7	8	9
12	10	11
1	2	3
L1	L2	L3

