



WORLDWIDE ELECTRIC MOTOR DATA SHEET

PEWWE20-18-256T



HORSEPOWER	20		
RPM / POLES	1800 / 4		
VOLTAGE / PHASE	230 / 460 V / 3		
FRAME	256T		
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP55		
FREQUENCY	60 HZ Suitable For 50 HZ Operation With 1.0 SF		
FULL LOAD SPEED	1765 RPM		
SERVICE FACTOR	1.25		
INSULATION CLASS	F		
FULL LOAD AMPS; 230 / 460	47.4 / 23.7 A (Usable On 208V At 52.4 A)		
LOCKED ROTOR AMPS (STARTING); 230 / 460	290 / 145 A		
NO LOAD CURRENT	18 / 9 A		
NEMA CODE LETTER	G		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	100 %	93.0%	0.85
	75 %	93.2%	0.82
	50 %	92.9%	0.72
DUTY CYCLE	S1 / Continuous		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	59.5 lb.ft.	180%	250%
SLIP	1.94 %		
NEMA DESIGN	B		
MOMENT OF INERTIA	2.23 lb.ft. ²		
MAX. TIME LOCKED ROTOR (Hot)	22 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	6309 C3		
ODE BEARING	6209 C3		
REGREASING INT. - DE BEARING	5000 Hours		
REGREASING INT. - ODE BEARING	5000 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 - 9 Lead Δ		
AREA CLASSIFICATION	Class I, Division 2, Groups A, B, C, D		
APPROXIMATE WEIGHT	304 lbs.		



CC006A





WORLDWIDE ELECTRIC MOTOR DRAWING

PEWWE-256T



DIMENSIONS - INCHES

MOUNTING					A	B	C	D	G	J	P	L	AB
E	2F1	2F2	H	BA									
5	8.25	10	0.53	4.25	12.5	12	25.3	6.25	0.79	2.4	12.6	12.9	10.5

KEY		KEYSET	SHAFT		TERMINAL BOX				
S	ES	R	N-W	U	AA	XB	XC	XD	XE
0.375	2.91	1.416	4	1.625	1.5	3	7.4	6.3	9.25

PERFORMANCE CURVES

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net

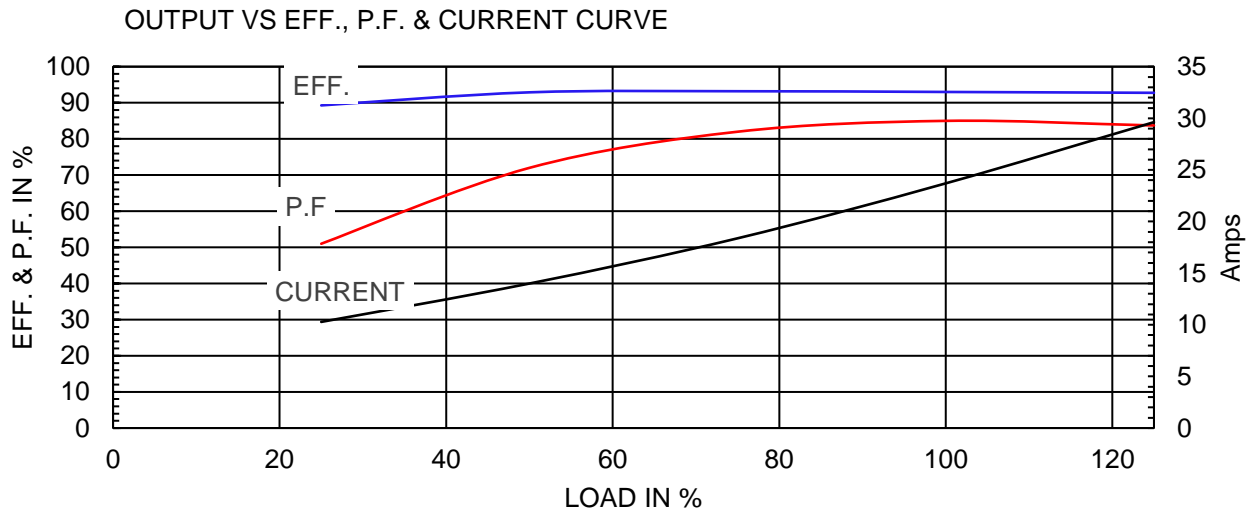
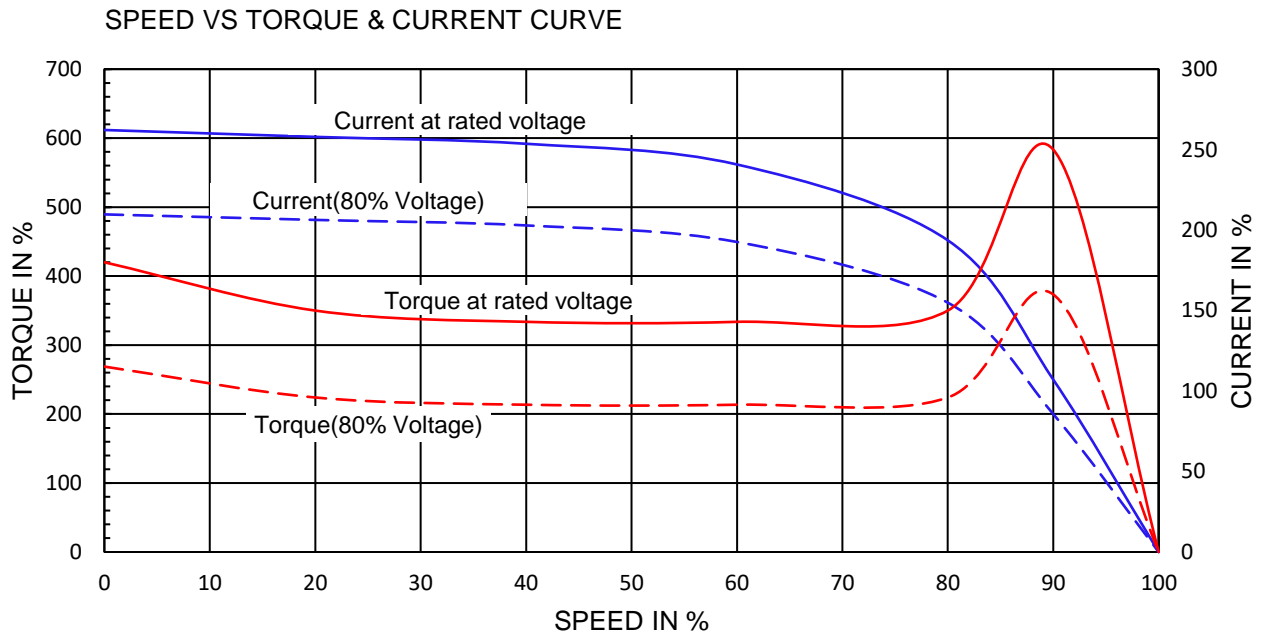


Premium Efficiency Motor:

PEWWE20-18-256T

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Motor Type	PEWWE		
Output Rating (HP)	20	FL Speed	1765
Full Load Torque	59.5 lb.ft	LRT (%FLT)	180
Rotor Wk ²	2.32 lb-ft ²	BDT (%FLT)	250
		460 volt FLA	23.7
		230 volt FLA	47.4A



NAMEPLATE / WIRING

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



Premium Efficiency Motor:

PEWWE20-18-256T

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SAMPLE NAMEPLATE DATA

		PREMIUM EFFICIENCY 3-PHASE INDUCTION MOTOR		CC006A ISO9001	259277
Model	PEWWE20-18-256T	Ser No.	ZP		
HP	20	S.F.	1.25	Type	
Frame	256T	P.F.	0.85	Ins Cl	F
Voltage	230/460	Hz	60 Hz	Design	B
Amps	47.4A /23.7A	RPM	1765	Code	G
Nom. Eff.	FL 93.0%	3/4	93.2%	230/460V	Date
Usable on 208V network at 52 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 55.9 / 28 A 1460 rpm S.F1.0					
WorldWide Electric Corporation					

Low Voltage

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

High Voltage

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

