



WORLDWIDE ELECTRIC MOTOR DATA SHEET

PEWWE20-36-256TC



HORSEPOWER	20
RPM / POLES	3600 / 2
VOLTAGE / PHASE	230 / 460 V / 3
FRAME	256TC
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP55
FREQUENCY	60 HZ Suitable For 50 HZ Operation With 1.0 SF
FULL LOAD SPEED	3540 RPM
SERVICE FACTOR	1.25
INSULATION CLASS	F
FULL LOAD AMPS; 230 / 460	46.2 / 23.1 A (Usable On 208V At 51.1 A)
LOCKED ROTOR AMPS (STARTING); 230 / 460	290 / 145 A
NO LOAD CURRENT	11.6 / 5.8 A
NEMA CODE LETTER	G
EFFICIENCY / POWER FACTOR	<u>LOAD</u> <u>EFF.</u> <u>P.F.</u>
	100 % 91.0% 0.89
	75 % 91.5% 0.88
50 % 91.2% 0.83	
DUTY CYCLE	S1 / Continuous
TORQUE	<u>FULL LOAD</u> <u>LRT</u> <u>BDT</u>
	29.7 lb.ft. 160% 230%
SLIP	1.66 %
NEMA DESIGN	B
MOMENT OF INERTIA	1.26 lb.ft. ²
MAX. TIME LOCKED ROTOR (Hot)	18 Seconds
SOUND PRESSURE LEVEL	72 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	3000 Hours
REGREASING INT. - ODE BEARING	3000 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	297 lbs.



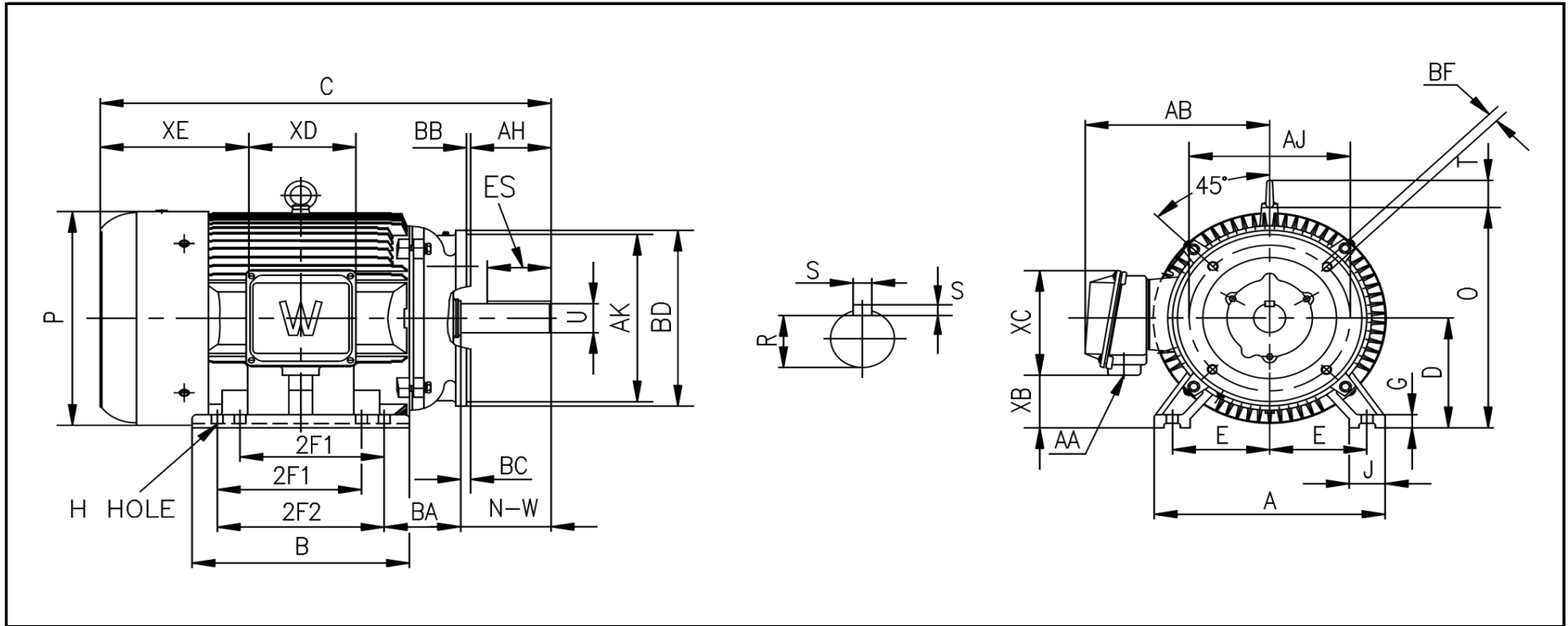
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WORLDWIDE ELECTRIC MOTOR DRAWING

PEWWE-256TC



DIMENSIONS - INCHES

MOUNTING					A	B	C	D	G	J	P	O	T	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	2.05	10.5

KEY		KEYSET	FLANGE				SHAFT		TERMINAL BOX					
S	ES	R	AK	AJ	BF	BB	BD	N-W	U	AA	XB	XC	XD	XE
0.375	2.91	1.416	8.5	7.25	1/2 - 13	0.25	10	4	1.625	1.5	3	7.4	6.3	8.9

REVISED - 08/11/17

PERFORMANCE CURVES

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net

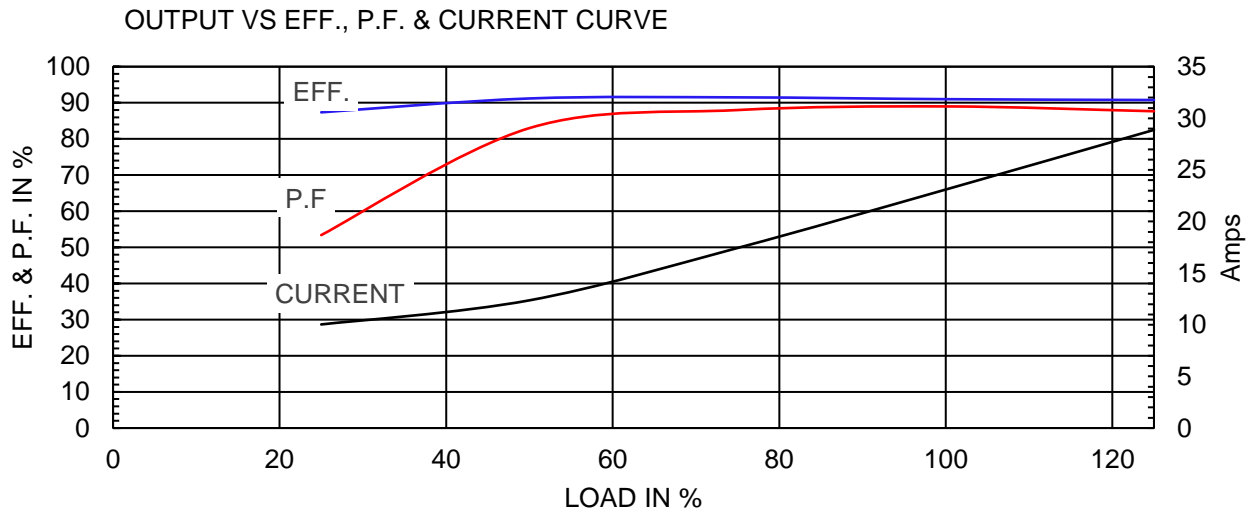
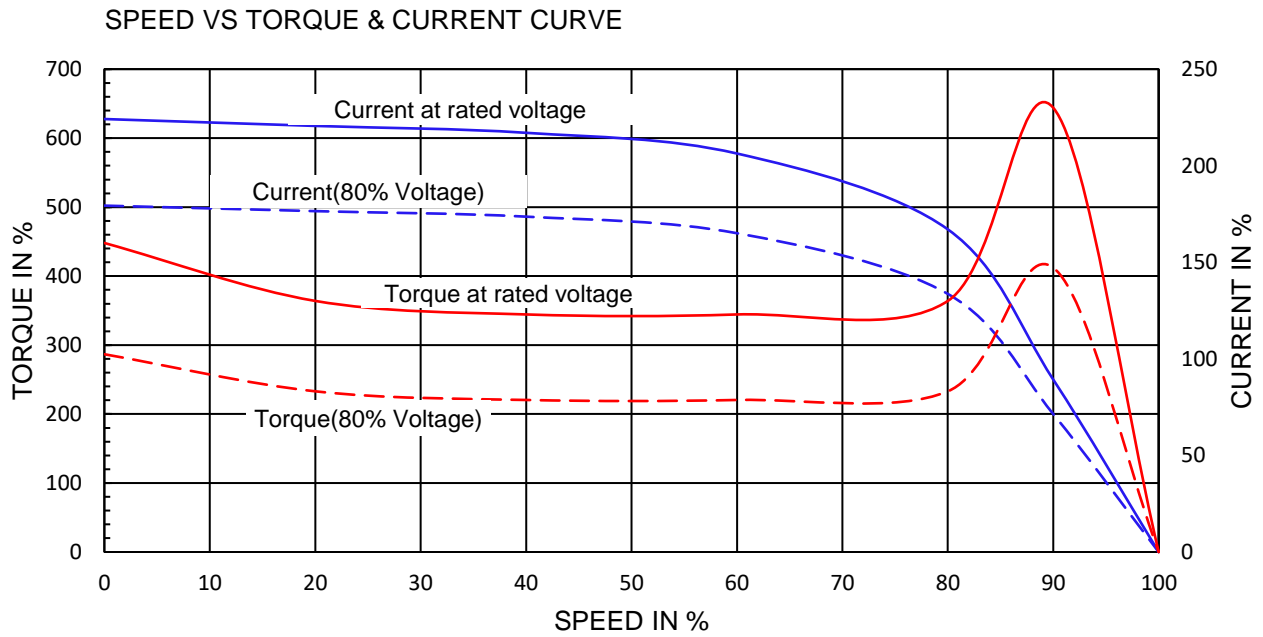


Premium Efficiency Motor:

PEWWE20-36-256TC

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Motor Type	PEWWE		
Output Rating (HP)	20	FL Speed	3540
Full Load Torque	29.7 lb.ft	LRT (%FLT)	160
Rotor Wk ²	1.26 lb-ft ²	BDT (%FLT)	230
		460 volt FLA	23.1
		230 volt FLA	46.2A



NAMEPLATE / WIRING

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



Premium Efficiency Motor: **PEWWE20-36-256TC**

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Customer:

SAMPLE NAMEPLATE DATA

		PREMIUM EFFICIENCY 3-PHASE INDUCTION MOTOR			CC006A ISO9001	259277
Model	PEWWE20-36-256TC		Ser No.	ZP		
HP	20	S.F.	1.25	Type	Encl TEFC IP55	
Frame	256TC	P.F.	0.89	Ins Cl	Rating 40°C Amb Cont	
Voltage	230/460	Hz	60 Hz	Design	DE Brng 6309 C3	
Amps	46.2A /23.1A	RPM	3540	Code	ODE Brng 6209 C3	
Nom. Eff.	FL 91.0%	3/4	91.5%	230/460V		Date
Usable on 208V network at 51 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 53.6 / 26.8 A 2935 rpm S.F1.0						
WorldWide Electric Corporation						

