



WORLDWIDE ELECTRIC MOTOR DATA SHEET

PEWWE100-18-405TC



HORSEPOWER	100		
RPM / POLES	1800 / 4		
VOLTAGE / PHASE	230 / 460 V / 3		
FRAME	405TC		
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP55		
FREQUENCY	60 HZ Suitable For 50 HZ Operation With 1.0 SF		
FULL LOAD SPEED	1785 RPM		
SERVICE FACTOR	1.25		
INSULATION CLASS	F		
FULL LOAD AMPS; 230 / 460	228 / 114 A (Usable On 208V At 252 A)		
LOCKED ROTOR AMPS (STARTING); 230 / 460	1450 / 725 A		
NO LOAD CURRENT	70 / 35 A		
NEMA CODE LETTER	G		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	100 %	95.4%	0.86
	75 %	95.6%	0.84
	50 %	95.4%	0.77
DUTY CYCLE	S1 / Continuous		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	294 lb.ft.	160%	250%
SLIP	0.83 %		
NEMA DESIGN	B		
MOMENT OF INERTIA	28.1 lb.ft.²		
MAX. TIME LOCKED ROTOR (Hot)	16 Seconds		
SOUND PRESSURE LEVEL	74 dB (A)		
MAX. AMBIENT TEMPERATURE	40° C		
MAX. ELEVATION	3300 Ft.		
TEMPERATURE RISE (At Full Load)	80° C		
DE BEARING	6316 C3		
ODE BEARING	6313 C3		
REGREASING INT. - DE BEARING	2000 Hours		
REGREASING INT. - ODE BEARING	3000 Hours		
GREASE TYPE	SKF LGHP 2		
MOUNTING	F1		
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	1131 lbs.		



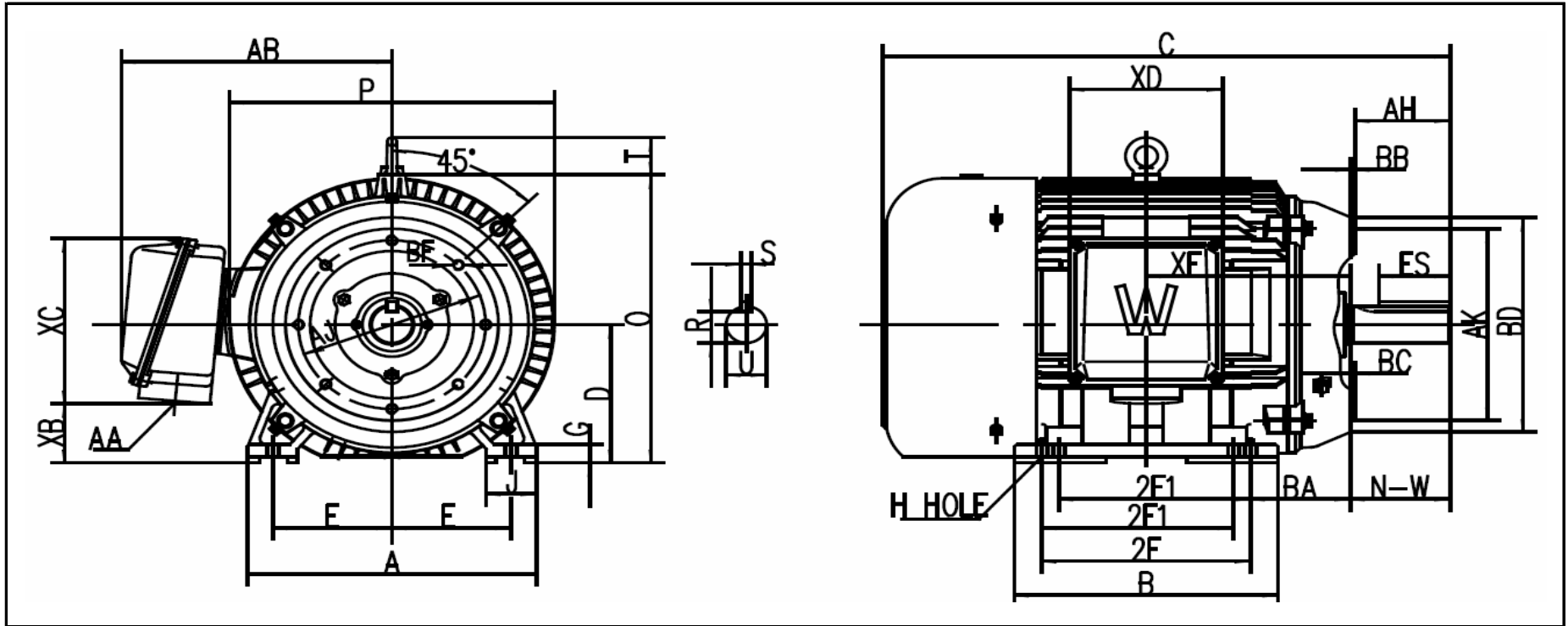
CC006A





WORLDWIDE ELECTRIC MOTOR DRAWING

PEWWE-405TC



DIMENSIONS - INCHES

MOUNTING					A	B	C	D	G	J	P	O	T	AB
E	2F1	2F2	H	BA										
8	12.25	13.75	0.81	6.62	20	17	38.1	10	1.18	3.2	21.6	21.1	2.84	19

KEY		KEYSET		FLANGE				SHAFT		TERMINAL BOX				
S	ES	R	AK	AJ	BF	BB	BD	N-W	U	AA	XB	XC	XD	XE
0.75	5.65	2.45	12.5	11	5/8 - 11	0.25	15.5	7.25	2.875	3	4.6	12	9.8	12.45

REVISED - 10/19/18

PERFORMANCE CURVES

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net

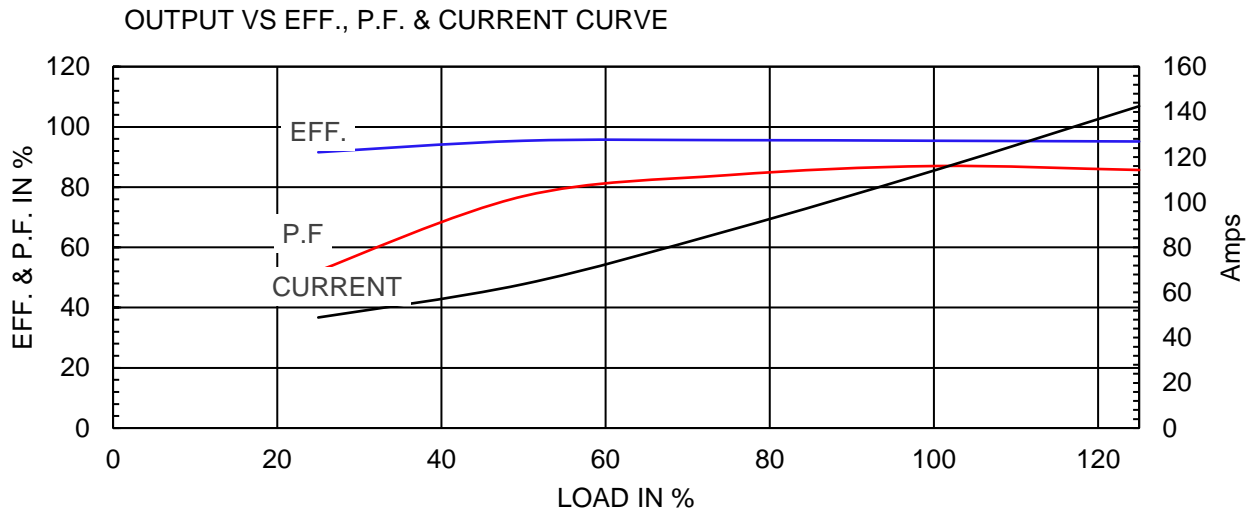
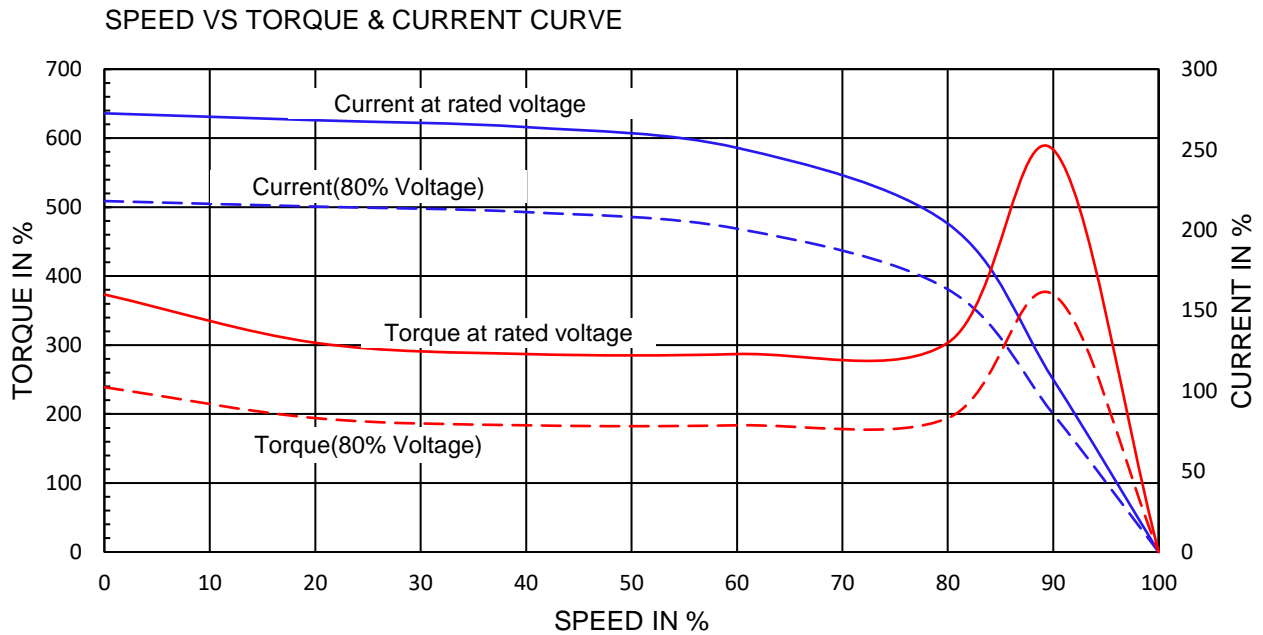


Premium Efficiency Motor:

PEWWE100-18-405TC

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Motor Type	PEWWE		
Output Rating (HP)	100	FL Speed	1785
Full Load Torque	294 lb.ft	LRT (%FLT)	160
Rotor Wk ²	31.2 lb-ft ²	BDT (%FLT)	250
		460 volt FLA	114
		230 volt FLA	228A



NAMEPLATE / WIRING

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



Premium Efficiency Motor:

PEWWE100-18-405TC

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Customer:

SAMPLE NAMEPLATE DATA

		PREMIUM EFFICIENCY 3-PHASE INDUCTION MOTOR				259277 CC006A ISO9001				
Model	PEWWE100-18-405TC			Ser No.	ZP			Low Voltage 6 4 5 7 8 9 12 10 11 1 2 3 L1 L2 L3		
HP	100	S.F.	1.25	Type		Encl	TEFC	IP55		
Frame	405TC	P.F.	0.87	Ins Cl	F	Rating	40°C	Amb Cont		
Voltage	230/460	Hz	60 Hz	Design	B	DE Brng	6316 C3			
Amps	228A / 114A	RPM	1785	Code	G	ODE Brng	6313 C3			
Nom.Eff.	FL 95.4 %	3/4 95.6 %	230/460V		Date					
Usable on 208V network at 250 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 100 HP #N/A V #N/A / #N/A A #N/A rpm 1.0SF										
WorldWide Electric Corporation										
						High Voltage 4 5 6 7 8 9 12 10 11 1 2 3 L1 L2 L3				

