



WORLDWIDE ELECTRIC MOTOR DATA SHEET

PEWWE75-12-405TC



HORSEPOWER	75		
RPM / POLES	1200 / 6		
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	1190 RPM		
SERVICE FACTOR	1.25		
INSULATION CLASS	F		
FULL LOAD AMPS; 230 / 460	177 / 88.5 A (Usable On 208V At 196 A)		
LOCKED ROTOR AMPS (STARTING); 230 / 460	1085 / 542.5 A		
NO LOAD CURRENT	61 / 30.5 A		
NEMA CODE LETTER	G		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	100 %	94.5%	0.84
	75 %	94.8%	0.81
	50 %	94.5%	0.72
DUTY CYCLE	S1 / Continuous		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	331 lb.ft.	170%	240%
SLIP	0.83 %		
NEMA DESIGN	B		
MOMENT OF INERTIA	36 lb.ft. ²		
MAX. TIME LOCKED ROTOR (Hot)	23 Seconds		
SOUND PRESSURE LEVEL	73 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	3000 Hours		
REGREASING INT. - ODE BEARING	4500 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	1129 lbs.		



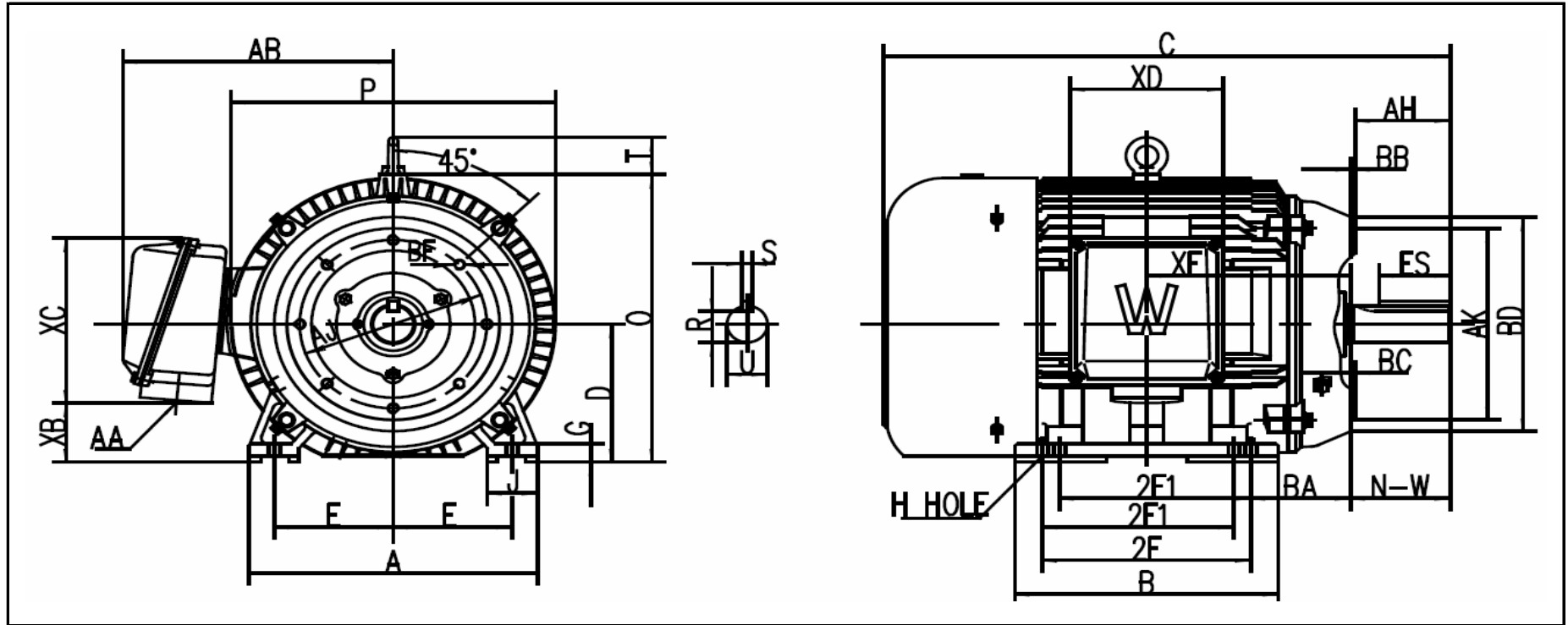
CC006A





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

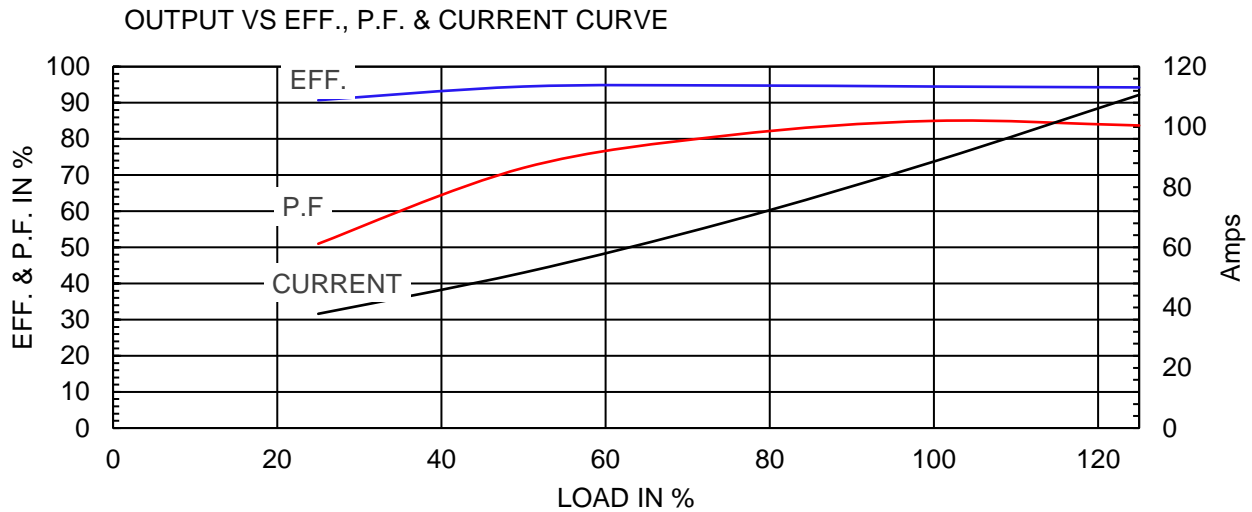
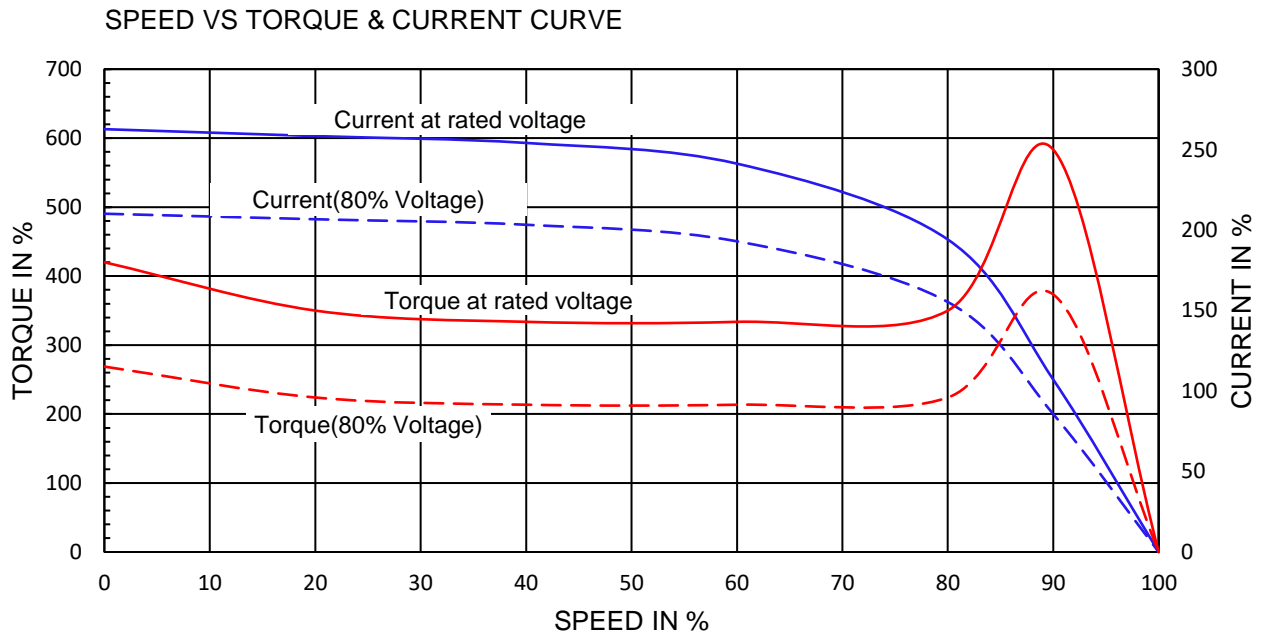


Premium Efficiency Motor:

PEWWE75-12-405TC

Document Generated:	25-Jun-2020	Customer:	
Document ID:			

Motor Type	PEWWE		
Output Rating (HP)	75	FL Speed	1190
Full Load Torque	331 lb.ft	LRT (%FLT)	180
Rotor Wk ²	38.6 lb-ft ²	BDT (%FLT)	250
		460 volt FLA	88.5
		230 volt FLA	177A



NAMEPLATE / WIRING

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



Premium Efficiency Motor: **PEWWE75-12-405TC**

Document Generated: 24-Sep-2019
Document ID:

Customer:

SAMPLE NAMEPLATE DATA

	PREMIUM EFFICIENCY 3-PHASE INDUCTION MOTOR	259277 CC006A ISO9001 C US Energy Verified																																				
Model PEWWE75-12-405TC Ser No. ZP	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="3">Low Voltage</th> </tr> <tr> <td style="text-align: center;">6</td> <td style="text-align: center;">4</td> <td style="text-align: center;">5</td> </tr> <tr> <td style="text-align: center;">7</td> <td style="text-align: center;">8</td> <td style="text-align: center;">9</td> </tr> <tr> <td style="text-align: center;">12</td> <td style="text-align: center;">10</td> <td style="text-align: center;">11</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">3</td> </tr> <tr> <td style="text-align: center;">L1</td> <td style="text-align: center;">L2</td> <td style="text-align: center;">L3</td> </tr> <tr> <th colspan="3">High Voltage</th> </tr> <tr> <td style="text-align: center;">4</td> <td style="text-align: center;">5</td> <td style="text-align: center;">6</td> </tr> <tr> <td style="text-align: center;">7</td> <td style="text-align: center;">8</td> <td style="text-align: center;">9</td> </tr> <tr> <td style="text-align: center;">12</td> <td style="text-align: center;">10</td> <td style="text-align: center;">11</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">3</td> </tr> <tr> <td style="text-align: center;">L1</td> <td style="text-align: center;">L2</td> <td style="text-align: center;">L3</td> </tr> </table>		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
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Nom.Eff. FL 94.5 % 3/4 94.8 % 230/460V Date																																						
Usable on 208V network at 194 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 75 HP 200/400 V V207.00 /103.00 A 990 rpm 1.0SF																																						
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