



# WORLDWIDE ELECTRIC MOTOR DATA SHEET

## PEWWE25-18-284TC



HORSEPOWER	25		
RPM / POLES	1800 / 4		
VOLTAGE / PHASE	230 / 460 V / 3		
FRAME	284TC		
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP55		
FREQUENCY	60 HZ Suitable For 50 HZ Operation With 1.0 SF		
FULL LOAD SPEED	1770 RPM		
SERVICE FACTOR	1.25		
INSULATION CLASS	F		
FULL LOAD AMPS; 230 / 460	58.8 / 29.4 A (Usable On 208V At 65.1 A)		
LOCKED ROTOR AMPS (STARTING); 230 / 460	365 / 182.5 A		
NO LOAD CURRENT	21.2 / 10.6 A		
NEMA CODE LETTER	G		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	100 %	93.6%	0.85
	75 %	93.9%	0.82
	50 %	93.3%	0.73
DUTY CYCLE	S1 / Continuous		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	74.2 lb.ft.	160%	240%
SLIP	1.67 %		
NEMA DESIGN	B		
MOMENT OF INERTIA	3.07 lb.ft. <sup>2</sup>		
MAX. TIME LOCKED ROTOR (Hot)	15 Seconds		
SOUND PRESSURE LEVEL	70 dB (A)		
MAX. AMBIENT TEMPERATURE	40° C		
MAX. ELEVATION	3300 Ft.		
TEMPERATURE RISE (At Full Load)	80° C		
DE BEARING	6311 C3		
ODE BEARING	6309 C3		
REGREASING INT. - DE BEARING	4000 Hours		
REGREASING INT. - ODE BEARING	5000 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	385 lbs.		



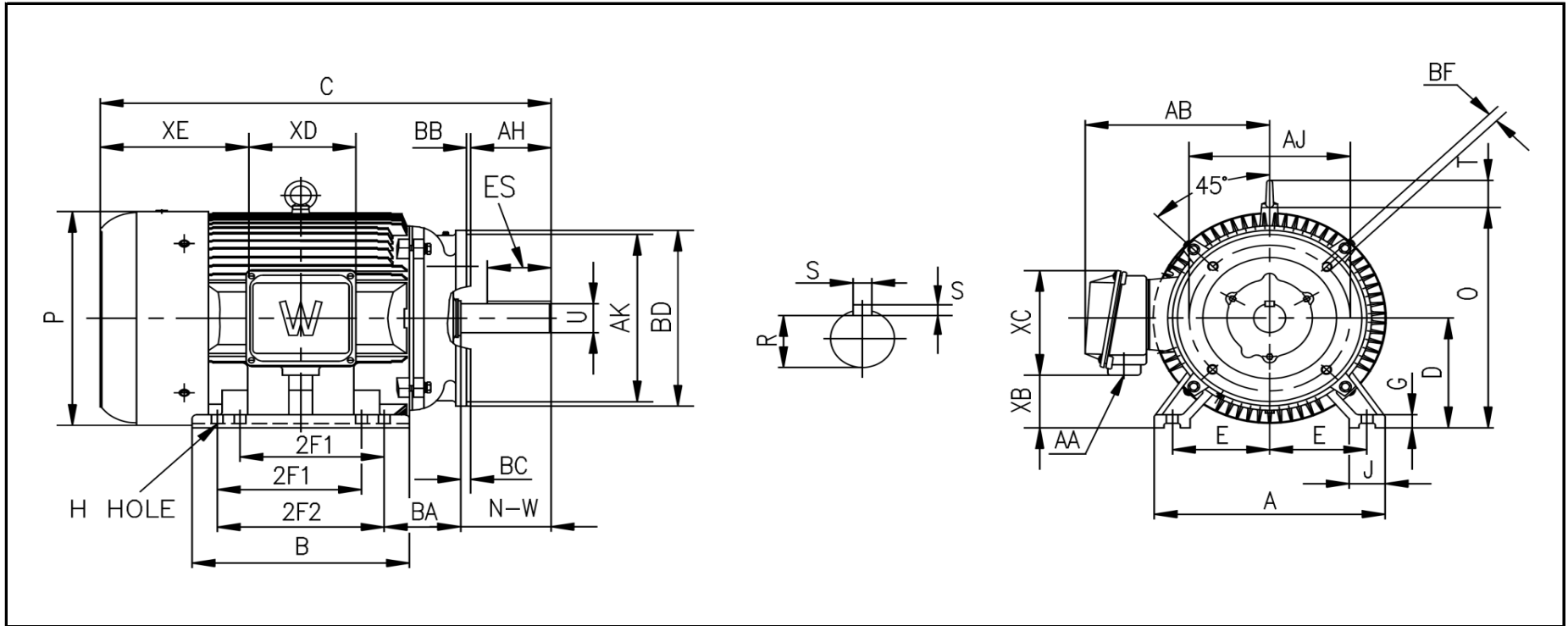
CC006A





# WORLDWIDE ELECTRIC MOTOR DRAWING

## PEWWE-284TC



**DIMENSIONS - INCHES**

MOUNTING					A	B	C	D	G	J	P	O	T	AB
E	2F1	2F2	H	BA										
5.5	-	9.5	0.53	4.75	14	12.4	26.6	7	0.87	2.8	14	14.3	2.05	11.5

KEY		KEYSET	FLANGE				SHAFT		TERMINAL BOX					
S	ES	R	AK	AJ	BF	BB	BD	N-W	U	AA	XB	XC	XD	XE
0.5	3.28	1.591	10.5	9	1/2 - 13	0.25	11.25	4.62	1.875	1.5	3.6	7.4	6.3	6.18

REVISED - 08/11/17

# PERFORMANCE CURVES

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net

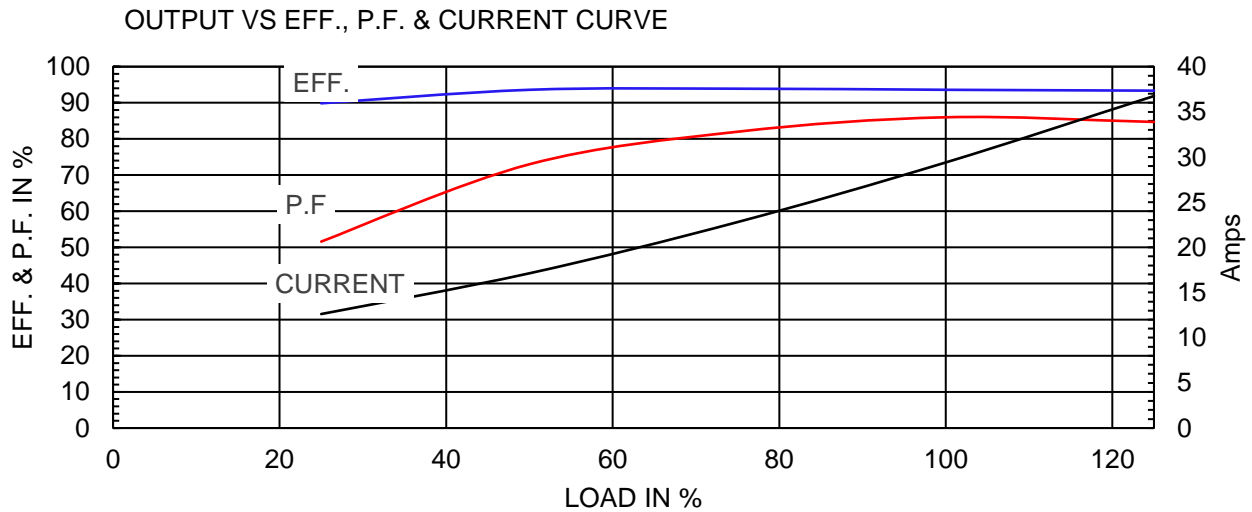
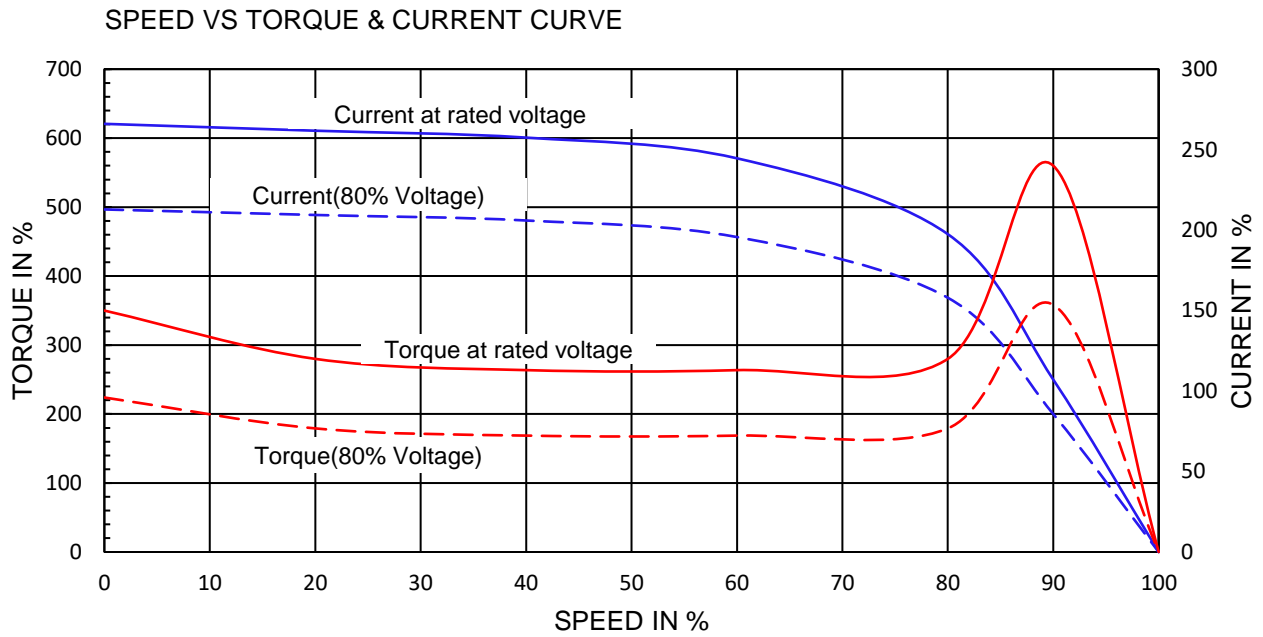


Premium Efficiency Motor:

**PEWWE25-18-284TC**

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Motor Type	PEWWE		
Output Rating (HP)	25	FL Speed	1770
Full Load Torque	74.2 lb.ft	LRT (%FLT)	150
Rotor Wk <sup>2</sup>	3.36 lb-ft <sup>2</sup>	BDT (%FLT)	240
		460 volt FLA	29.4
		230 volt FLA	58.8A



# NAMEPLATE / WIRING

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



Premium Efficiency Motor: **PEWWE25-18-284TC**

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Document ID:

Customer:

## SAMPLE NAMEPLATE DATA

		<b>PREMIUM EFFICIENCY</b> <b>3-PHASE INDUCTION MOTOR</b>				CC006A ISO9001	259277 
Model	PEWWE25-18-284TC		Ser No.		ZP		
HP	25	S.F.	1.25	Type	Encl TEFC IP55		
Frame	284TC	P.F.	0.86	Ins Cl	Rating 40°C Amb Cont		
Voltage	230/460	Hz	60 Hz	Design	DE Brng 6311 C3		
Amps	58.8A / 29.4A	RPM	1770	Code	ODE Brng 6309 C3		
Nom.Eff.	FL 93.6 %	3/4 93.9 %	230/460V		Date		
Usable on 208V network at		64	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 25 HP 200/400V V 69. / 34. A 1465 rpm S.F1.0							
<b>WorldWide Electric Corporation</b>							

**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

