



WORLDWIDE ELECTRIC MOTOR DATA SHEET

PEWWE25-36-284TSC



HORSEPOWER	25		
RPM / POLES	3600 / 2		
VOLTAGE / PHASE	230 / 460 V / 3		
FRAME	284TSC		
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP55		
FREQUENCY	60 HZ Suitable For 50 HZ Operation With 1.0 SF		
FULL LOAD SPEED	3550 RPM		
SERVICE FACTOR	1.25		
INSULATION CLASS	F		
FULL LOAD AMPS; 230 / 460	58.7 / 29.3 A (Usable On 208V At 64.9 A)		
LOCKED ROTOR AMPS (STARTING); 230 / 460	365 / 182.5 A		
NO LOAD CURRENT	17 / 8.5 A		
NEMA CODE LETTER	G		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	100 %	91.7%	0.87
	75 %	92.1%	0.84
	50 %	91.5%	0.77
DUTY CYCLE	S1 / Continuous		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	37 lb.ft.	150%	230%
SLIP	1.40 %		
NEMA DESIGN	B		
MOMENT OF INERTIA	1.4 lb.ft. ²		
MAX. TIME LOCKED ROTOR (Hot)	19 Seconds		
SOUND PRESSURE LEVEL	75 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	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 - 12 Lead Δ		
AREA CLASSIFICATION	Class I, Division 2, Groups A, B, C, D		
APPROXIMATE WEIGHT	358 lbs.		



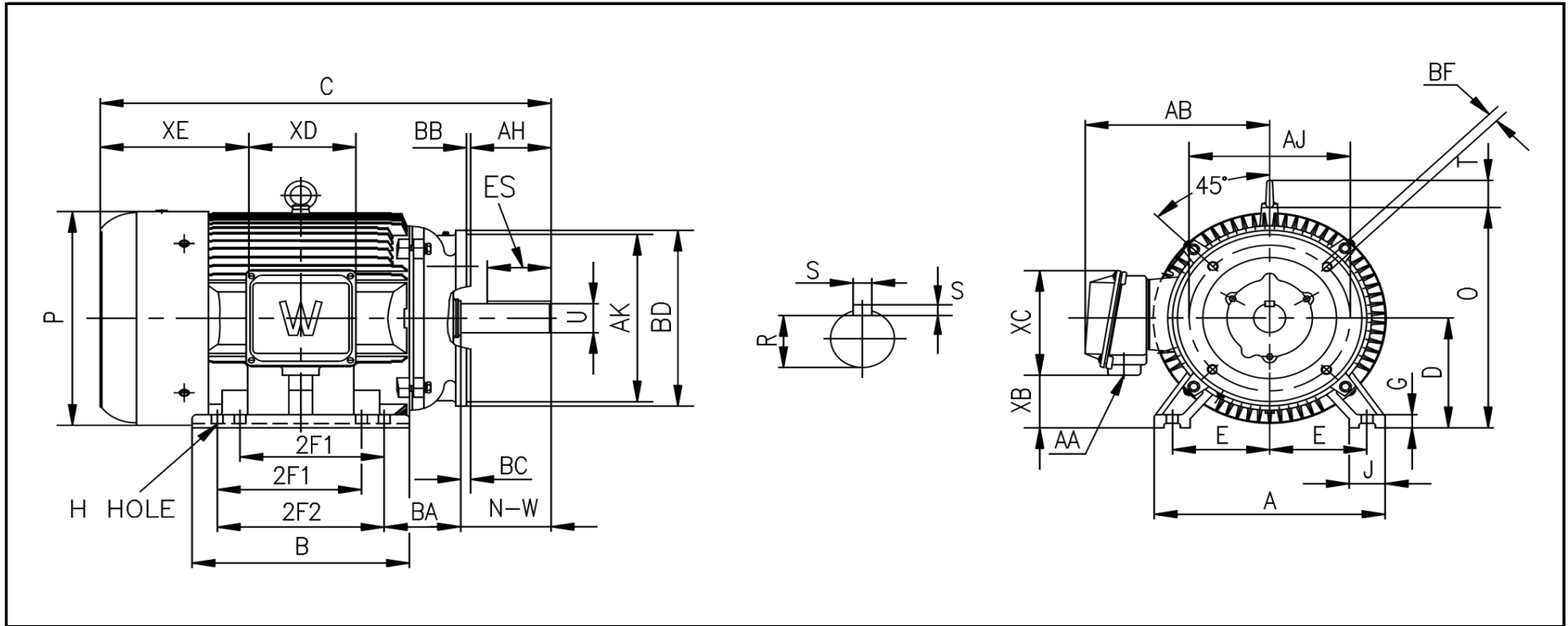
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WORLDWIDE ELECTRIC MOTOR DRAWING

PEWWE-284TSC



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	25.2	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
0.375	1.91	1.416	10.5	9	1/2 - 13	0.25	11.25	3.25	1.625	1.5	3.6	7.4	6.3	9.3

REVISED - 08/11/17

PERFORMANCE CURVES

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net

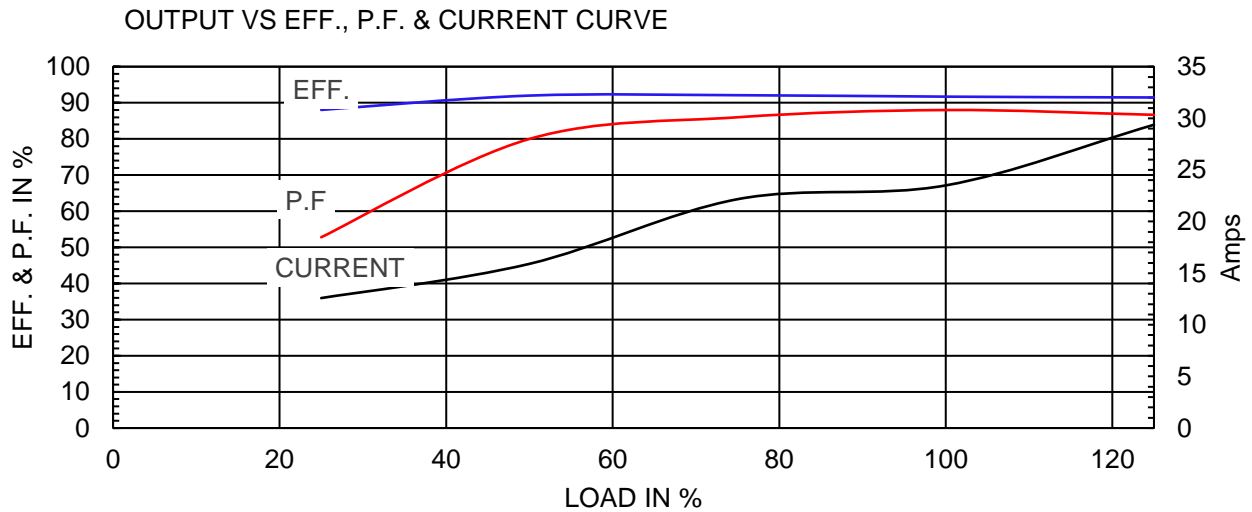
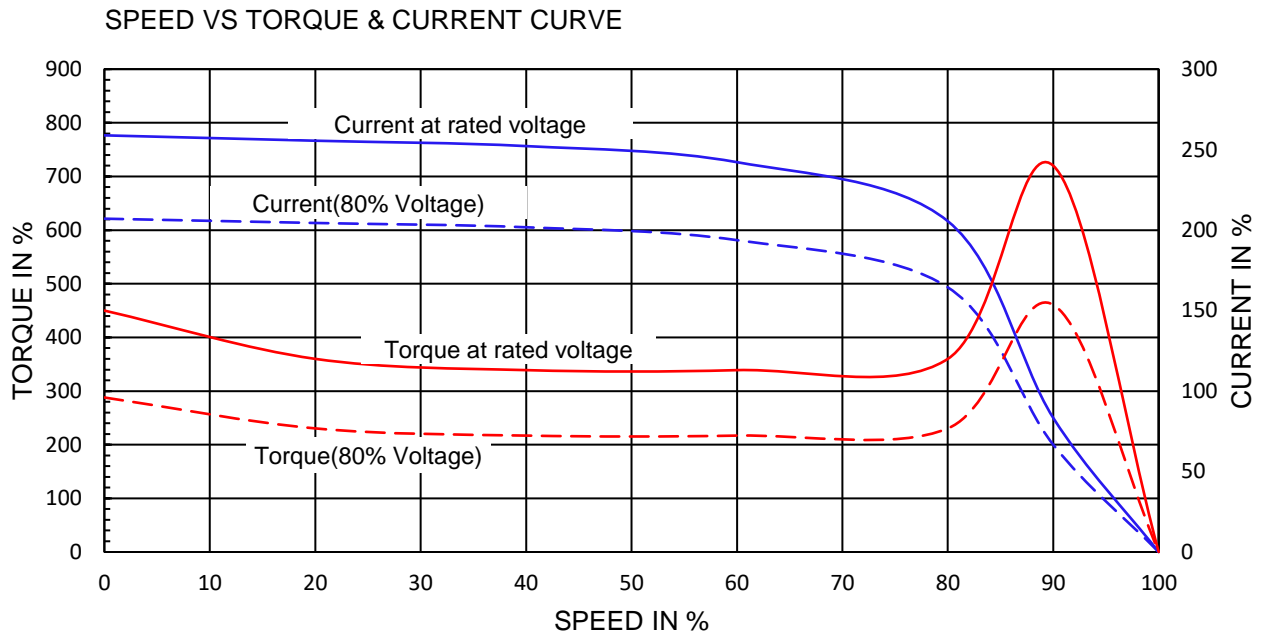


Premium Efficiency Motor:

PEWWE25-36-284TSC

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Motor Type	PEWWE		
Output Rating (HP)	25	FL Speed	3550
Full Load Torque	37 lb.ft	LRT (%FLT)	150
Rotor Wk ²	1.59 lb-ft ²	BDT (%FLT)	240
		460 volt FLA	23.5
		230 volt FLA	58.7A



NAMEPLATE / WIRING

WorldWide Electric Corporation

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Worldwideelectric.net



Premium Efficiency Motor: **PEWWE25-36-284TSC**

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SAMPLE NAMEPLATE DATA

		PREMIUM EFFICIENCY 3-PHASE INDUCTION MOTOR				CC006A ISO9001	259277
Model	PEWWE25-36-284TSC		Ser No.		ZP		
HP	25	S.F.	1.25	Type		Encl	TEFC IP55
Frame	284TSC	P.F.	0.88	Ins Cl	F	Rating	40°C Amb Cont
Voltage	230/460	Hz	60 Hz	Design	B	DE Brng	6311 C3
Amps	58.7A / 23.5A	RPM	3550	Code	G	ODE Brng	6309 C3
Nom.Eff.	FL 91.7 %	3/4 92.1 %	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 68. / 34. A 2945 rpm S.F1.0							
WorldWide Electric Corporation							

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

