



# WORLDWIDE ELECTRIC MOTOR DATA SHEET

## PEWWE30-36-286TSC



HORSEPOWER	<b>30</b>		
RPM / POLES	<b>3600 / 2</b>		
VOLTAGE / PHASE	<b>230 / 460 V / 3</b>		
FRAME	<b>286TSC</b>		
ENCLOSURE / DEGREE OF PROTECTION	<b>TEFC / IP55</b>		
FREQUENCY	<b>60 HZ Suitable For 50 HZ Operation With 1.0 SF</b>		
FULL LOAD SPEED	<b>3550 RPM</b>		
SERVICE FACTOR	<b>1.25</b>		
INSULATION CLASS	<b>F</b>		
FULL LOAD AMPS; 230 / 460	<b>69.6 / 34.8 A (Usable On 208V At 77 A)</b>		
LOCKED ROTOR AMPS (STARTING); 230 / 460	<b>435 / 217.5 A</b>		
NO LOAD CURRENT	<b>21.2 / 10.6 A</b>		
NEMA CODE LETTER	<b>G</b>		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	<b>100 %</b>	<b>91.7%</b>	<b>0.88</b>
	<b>75 %</b>	<b>92.4%</b>	<b>0.86</b>
	<b>50 %</b>	<b>92.1%</b>	<b>0.80</b>
DUTY CYCLE	<b>S1 / Continuous</b>		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	<b>44.4 lb.ft.</b>	<b>150%</b>	<b>230%</b>
SLIP	<b>1.40 %</b>		
NEMA DESIGN	<b>B</b>		
MOMENT OF INERTIA	<b>1.61 lb.ft.<sup>2</sup></b>		
MAX. TIME LOCKED ROTOR (Hot)	<b>18 Seconds</b>		
SOUND PRESSURE LEVEL	<b>75 dB (A)</b>		
MAX. AMBIENT TEMPERATURE	<b>40° C</b>		
MAX. ELEVATION	<b>3300 Ft.</b>		
TEMPERATURE RISE (At Full Load)	<b>80° C</b>		
DE BEARING	<b>6311 C3</b>		
ODE BEARING	<b>6309 C3</b>		
REGREASING INT. - DE BEARING	<b>2400 Hours</b>		
REGREASING INT. - ODE BEARING	<b>3000 Hours</b>		
GREASE TYPE	<b>SKF LGHP 2</b>		
MOUNTING	<b>F1 (F2 Suitable)</b>		
ROTATION	<b>Bi-Directional</b>		
SHAFT MATERIAL	<b>1045 Carbon Steel</b>		
INVERTER RATING	<b>10:1 CT / 20:1 VT PWM Type</b>		
CONNECTION DIAGRAM	<b>230 / 460 V - 12 Lead Δ</b>		
AREA CLASSIFICATION	<b>Class I, Division 2, Groups A, B, C, D</b>		
APPROXIMATE WEIGHT	<b>394 lbs.</b>		



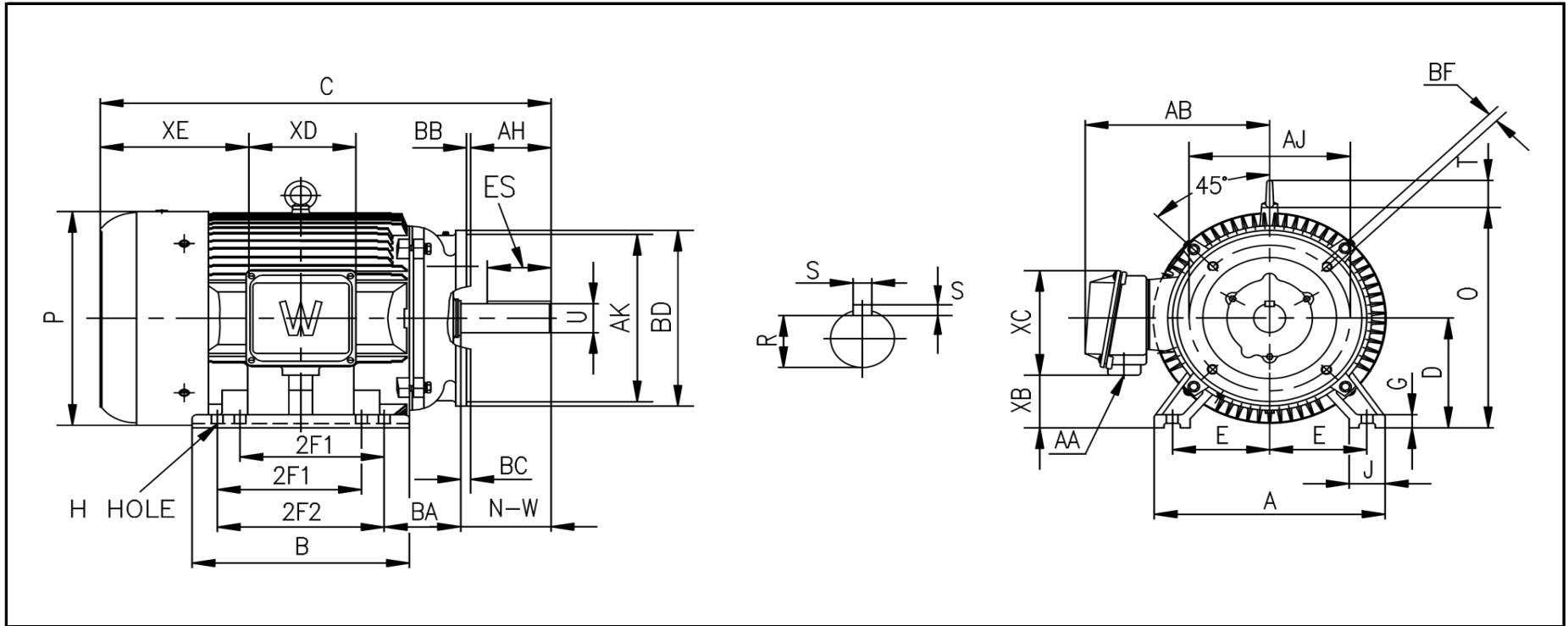
**CC006A**





# WORLDWIDE ELECTRIC MOTOR DRAWING

## PEWWE-286TSC



**DIMENSIONS - INCHES**

MOUNTING					A	B	C	D	G	J	P	O	T	AB
E	2F1	2F2	H	BA										
5.5	9.5	11	0.53	4.75	14	13.9	26.7	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	10.05

REVISED - 08/11/17

# PERFORMANCE CURVES

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net

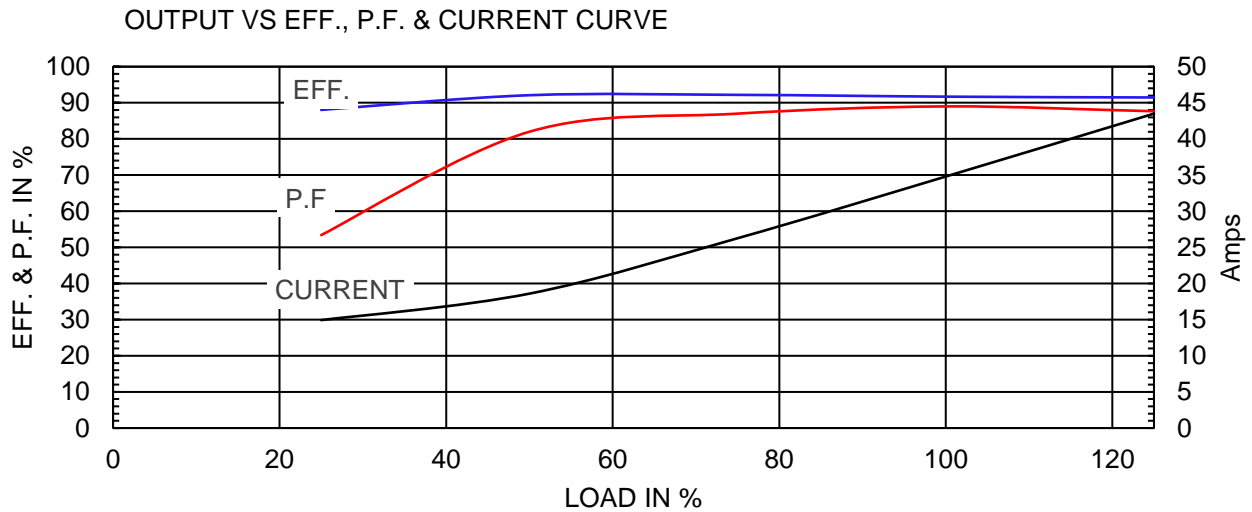
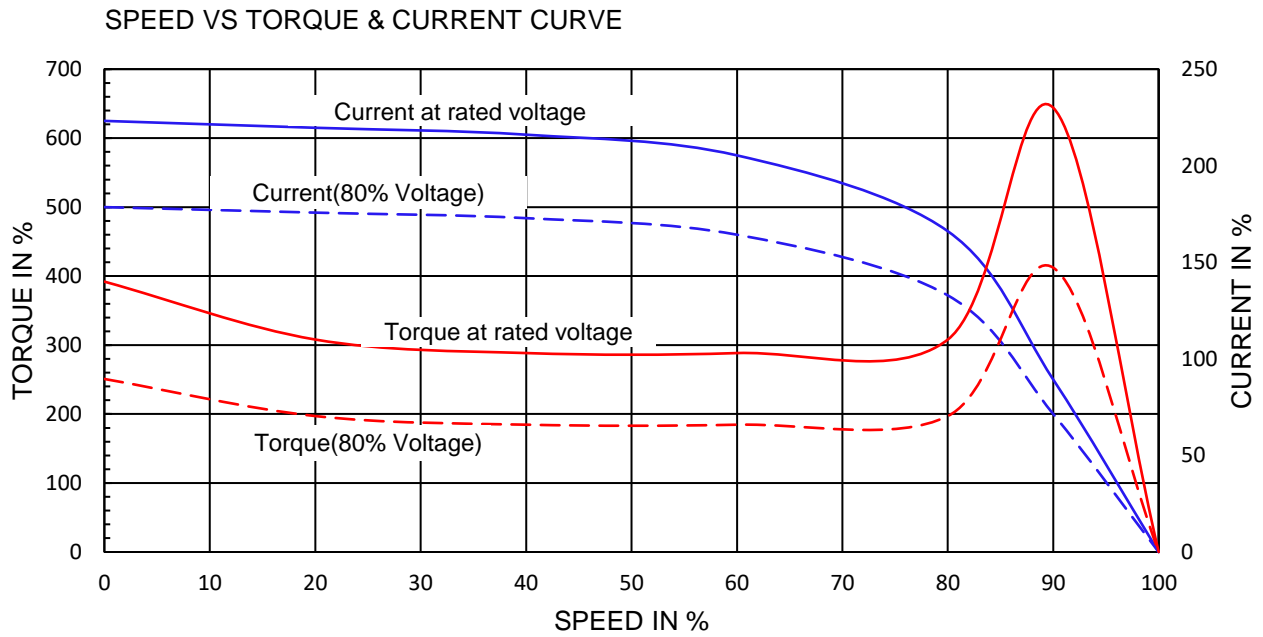


Premium Efficiency Motor:

**PEWWE30-36-286TSC**

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Motor Type	PEWWE		
Output Rating (HP)	30	FL Speed	3545
Full Load Torque	44.4 lb.ft	LRT (%FLT)	140
Rotor Wk <sup>2</sup>	1.77 lb-ft <sup>2</sup>	BDT (%FLT)	230
		460 volt FLA	34.8
		230 volt FLA	69.6A



# NAMEPLATE / WIRING

WorldWide Electric Corporation

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Worldwideelectric.net



Premium Efficiency Motor: **PEWWE30-36-286TSC**

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Customer:

## SAMPLE NAMEPLATE DATA

		<b>PREMIUM EFFICIENCY</b> <b>3-PHASE INDUCTION MOTOR</b>				CC006A ISO9001	259277 	
Model	PEWWE30-36-286TSC		Ser No.	ZP			<b>Low Voltage</b> 6 4 5 7 8 9 12 10 11 1 2 3 L1 L2 L3 <b>High Voltage</b> 4 5 6 7 8 9 12 10 11 1 2 3 L1 L2 L3	
HP	30	S.F.	1.25	Type		Encl		TEFC IP55
Frame	286TSC	P.F.	0.89	Ins Cl	F	Rating		40°C Amb Cont
Voltage	230/460	Hz	60 Hz	Design	B	DE Brng		6311 C3
Amps	69.6A / 34.8A	RPM	3545	Code	G	ODE Brng		6309 C3
Nom.Eff.	FL 91.7 %	3/4 92.2 %	230/460V		Date			
Usable on 208V network at		76	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 30 HP 200/400V V 80. / 40. A 2945 rpm S.F1.0								
<b>WorldWide Electric Corporation</b>								

