



**WORLDWIDE ELECTRIC MOTOR DATA SHEET**

**PEWWE20-12-286TC**



HORSEPOWER	20		
RPM / POLES	1200 / 6		
VOLTAGE / PHASE	230 / 460 V / 3		
FRAME	286TC		
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP55		
FREQUENCY	60 HZ Suitable For 50 HZ Operation With 1.0 SF		
FULL LOAD SPEED	1185 RPM		
SERVICE FACTOR	1.25		
INSULATION CLASS	F		
FULL LOAD AMPS; 230 / 460	49.2 / 24.6 A (Usable On 208V At 54.4 A)		
LOCKED ROTOR AMPS (STARTING); 230 / 460	290 / 145 A		
NO LOAD CURRENT	19 / 9.5 A		
NEMA CODE LETTER	G		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	100 %	91.7%	0.83
	75 %	92.1%	0.78
	50 %	92.0%	0.67
DUTY CYCLE	S1 / Continuous		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	88.6 lb.ft.	140%	220%
SLIP	1.25 %		
NEMA DESIGN	B		
MOMENT OF INERTIA	5 lb.ft. <sup>2</sup>		
MAX. TIME LOCKED ROTOR (Hot)	8 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	6000 Hours		
REGREASING INT. - ODE BEARING	7500 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	419 lbs.		



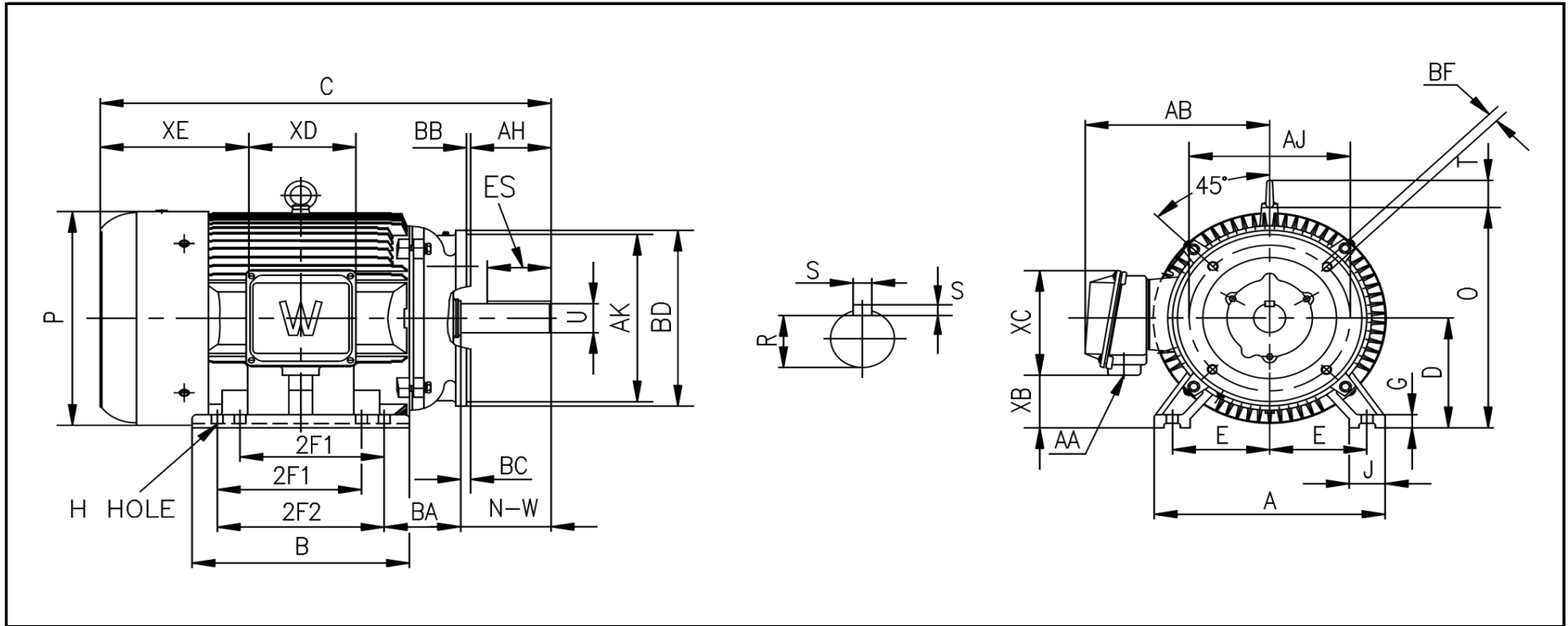
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# WORLDWIDE ELECTRIC MOTOR DRAWING

## PEWWE-286TC



**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	28.1	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	10.08

REVISED - 08/11/17