



WORLDWIDE ELECTRIC MOTOR DATA SHEET

PEWWE1-18-143TC



HORSEPOWER	1		
RPM / POLES	1800 / 4		
VOLTAGE / PHASE	230 / 460 V / 3		
FRAME	143TC		
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP55		
FREQUENCY	60 HZ Suitable For 50 HZ Operation With 1.0 SF		
FULL LOAD SPEED	1755 RPM		
SERVICE FACTOR	1.25		
INSULATION CLASS	F		
FULL LOAD AMPS; 230 / 460	3.08 / 1.54 A (Usable On 208V At 3.41 A)		
LOCKED ROTOR AMPS (STARTING); 230 / 460	30 / 15 A		
NO LOAD CURRENT	2.2 / 1.1 A		
NEMA CODE LETTER	N		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	100 %	85.5%	0.71
	75 %	85.1%	0.60
	50 %	82.6%	0.45
DUTY CYCLE	S1 / Continuous		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	2.99 lb.ft.	280%	400%
SLIP	2.5 %		
NEMA DESIGN	B		
MOMENT OF INERTIA	0.089 lb.ft. ²		
MAX. TIME LOCKED ROTOR (Hot)	12 Seconds		
SOUND PRESSURE LEVEL	60 dB (A)		
MAX. AMBIENT TEMPERATURE	40° C		
MAX. ELEVATION	3300 Ft.		
TEMPERATURE RISE (At Full Load)	80° C		
DE BEARING	6205ZZ C3		
ODE BEARING	6205ZZ C3		
REGREASING INT. - DE BEARING	---		
REGREASING INT. - ODE BEARING	---		
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 - 9 Lead Y		
AREA CLASSIFICATION	Class I, Division 2, Groups A, B, C, D		
APPROXIMATE WEIGHT	41 lbs.		



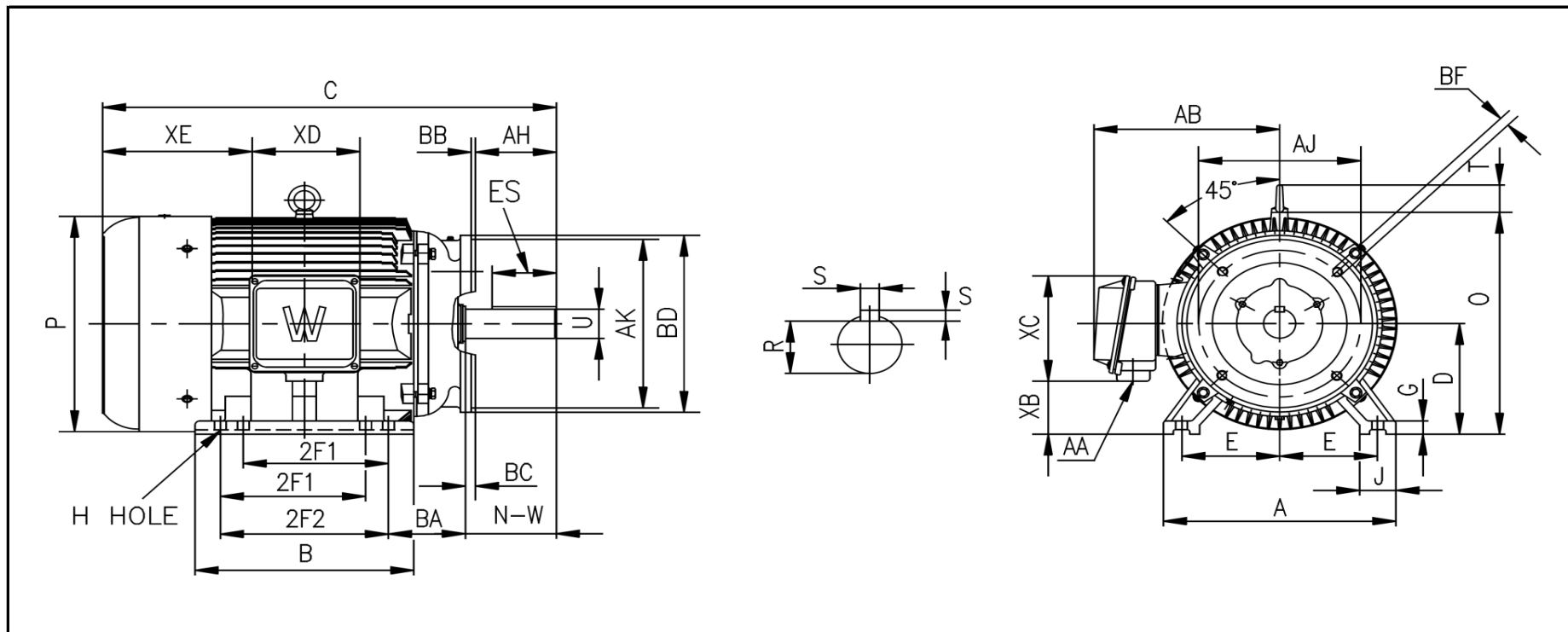
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WORLDWIDE ELECTRIC MOTOR DRAWING

PEWWE-143TC



DIMENSIONS - INCHES

MOUNTING					A	B	C	D	G	J	P	O	T	AB
E	2F1	2F2	H	BA										
2.75	-	4	0.34	2.25	7	5.6	12.5	3.5	0.43	1	7.8	7.6	1.42	6.7

KEY		KEYSET	FLANGE					SHAFT		TERMINAL BOX				
S	ES	R	AK	AJ	BF	BB	BD	N-W	U	AA	XB	XC	XD	XE
0.188	1.41	0.771	4.5	5.875	3/8 - 16	0.16	6.5	2.25	0.875	0.75	1.6	4.6	4.1	3.95

REVISED - 08/11/17