



WORLDWIDE ELECTRIC MOTOR DATA SHEET

PEWWE5-9-254T



HORSEPOWER	5
RPM / POLES	900 / 8
VOLTAGE / PHASE	230 / 460 V / 3
FRAME	254T
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP55
FREQUENCY	60 HZ Suitable For 50 HZ Operation With 1.0 SF
FULL LOAD SPEED	865 RPM
SERVICE FACTOR	1.15
INSULATION CLASS	F
FULL LOAD AMPS; 230 / 460	14.6 / 7.3 A (Usable On 208V At 16.1 A)
LOCKED ROTOR AMPS (STARTING); 230 / 460	92 / 46 A
NO LOAD CURRENT	8.4 / 4.2 A
NEMA CODE LETTER	J
EFFICIENCY / POWER FACTOR	<u>LOAD</u> <u>EFF.</u> <u>P.F.</u>
	100 % 86.5% 0.74
	75 % 87.2% 0.66
50 % 86.6% 0.53	
DUTY CYCLE	S1 / Continuous
TORQUE	<u>FULL LOAD</u> <u>LRT</u> <u>BDT</u>
	30.3 lb.ft. 170% 250%
SLIP	3.89 %
NEMA DESIGN	B
MOMENT OF INERTIA	1.72 lb.ft. ²
MAX. TIME LOCKED ROTOR (Hot)	14 Seconds
SOUND PRESSURE LEVEL	64 dB (A)
MAX. AMBIENT TEMPERATURE	40° C
MAX. ELEVATION	3300 Ft.
TEMPERATURE RISE (At Full Load)	80° C
DE BEARING	6309ZZ C3
ODE BEARING	6209ZZ C3
REGREASING INT. - DE BEARING	8500 Hours
REGREASING INT. - ODE BEARING	8500 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 - 9 Lead Y
AREA CLASSIFICATION	Class I, Division 2, Groups A, B, C, D
APPROXIMATE WEIGHT	219 lbs.



CC006A





WORLDWIDE ELECTRIC MOTOR DRAWING

PEWWE-254T



DIMENSIONS - INCHES

MOUNTING					A	B	C	D	G	J	P	L	AB
E	2F1	2F2	H	BA									
5	-	8.25	0.53	4.25	12.5	10.3	23.5	6.25	0.79	2.4	12.6	12.9	10.5

KEY		KEYSET	SHAFT		TERMINAL BOX				
S	ES	R	N-W	U	AA	XB	XC	XD	XE
0.375	2.91	1.416	4	1.625	1.5	3	7.4	6.3	8.38