



WORLDWIDE ELECTRIC MOTOR DATA SHEET

PEWWE100-9-445T



HORSEPOWER	100		
RPM / POLES	900 / 8		
VOLTAGE / PHASE	230 / 460 V / 3		
FRAME	445T		
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP55		
FREQUENCY	60 HZ Suitable For 50 HZ Operation With 1.0 SF		
FULL LOAD SPEED	890 RPM		
SERVICE FACTOR	1.15		
INSULATION CLASS	F		
FULL LOAD AMPS; 230 / 460	270 / 135 A (Usable On 208V At 298 A)		
LOCKED ROTOR AMPS (STARTING); 230 / 460	1450 / 725 A		
NO LOAD CURRENT	128 / 64 A		
NEMA CODE LETTER	G		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	100 %	93.6%	0.74
	75 %	93.9%	0.69
	50 %	93.3%	0.58
DUTY CYCLE	S1 / Continuous		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	590 lb.ft.	140%	200%
SLIP	1.10 %		
NEMA DESIGN	B		
MOMENT OF INERTIA	61.1 lb.ft.²		
MAX. TIME LOCKED ROTOR (Hot)	14 Seconds		
SOUND PRESSURE LEVEL	74 dB (A)		
MAX. AMBIENT TEMPERATURE	40° C		
MAX. ELEVATION	3300 Ft.		
TEMPERATURE RISE (At Full Load)	80° C		
DE BEARING	NU318 C3		
ODE BEARING	6313 C3		
REGREASING INT. - DE BEARING	2500 Hours		
REGREASING INT. - ODE BEARING	4200 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	1548 lbs.		



CC006A





WORLDWIDE ELECTRIC MOTOR DRAWING

PEWWE-445T



DIMENSIONS - INCHES

MOUNTING					A	B	C	D	G	J	P	L	AB
E	2F1	2F2	H	BA									
9	14.75	16.5	0.81	7.5	22	20.5	44	11	1.38	3.4	23.5	23	20

KEY		KEYSET	SHAFT		TERMINAL BOX				
S	ES	R	N-W	U	AA	XB	XC	XD	XE
0.875	6.91	2.88	8.5	3.375	2 x 3	5.9	12	11.5	15.75