



WORLDWIDE ELECTRIC MOTOR DATA SHEET

PEWWE500-18-586/7UZ



HORSEPOWER	500		
RPM / POLES	1800 / 4		
VOLTAGE / PHASE	460 V / 3		
FRAME	586/7UZ		
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP55		
FREQUENCY	60 HZ		
FULL LOAD SPEED	1790 RPM		
SERVICE FACTOR	1.15		
INSULATION CLASS	F		
FULL LOAD AMPS	535 A		
LOCKED ROTOR AMPS (STARTING)	3625 A		
NO LOAD CURRENT	130 A		
NEMA CODE LETTER	G		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	100%	96.2%	0.91
	75%	96.2%	0.89
	50%	96.0%	0.85
DUTY CYCLE	CONTINUOUS		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	1466 lb.ft.	200%	250%
SLIP	0.560%		
NEMA DESIGN	B		
MOMENT OF INERTIA	205.000 lb.ft.²		
SOUND PRESSURE LEVEL	92 dB(A)		
MAX. TIME LOCKED ROTOR (Hot)	16 Seconds		
MAX. AMBIENT TEMPERATURE	40° C		
MAX. ELEVATION	3300 Ft. Above Sea Level		
TEMPERATURE RISE (At Full Load)	80° C		
DE BEARING	NU326 C3		
ODE BEARING	6324 C3		
REGREASING INT. - DE BEARING	1,000 Hours		
REGREASING INT. - ODE BEARING	1,500 Hours		
GREASE TYPE	Mobil Polyrex EM		
MOUNTING	F1		
ROTATION	Bi-Directional		
CONNECTION DIAGRAM	460 V - 6 Lead Y/Δ		
SHAFT MATERIAL	4140 Carbon Steel		
APPROX. WEIGHT	4630 lbs.		
INVERTER RATING	3:1 CT / 6:1 VT PWM Type		



CC006A

