WORLDWIDE ELECTRIC MOTOR DATA SHEET

PEWWE40-18-324TS

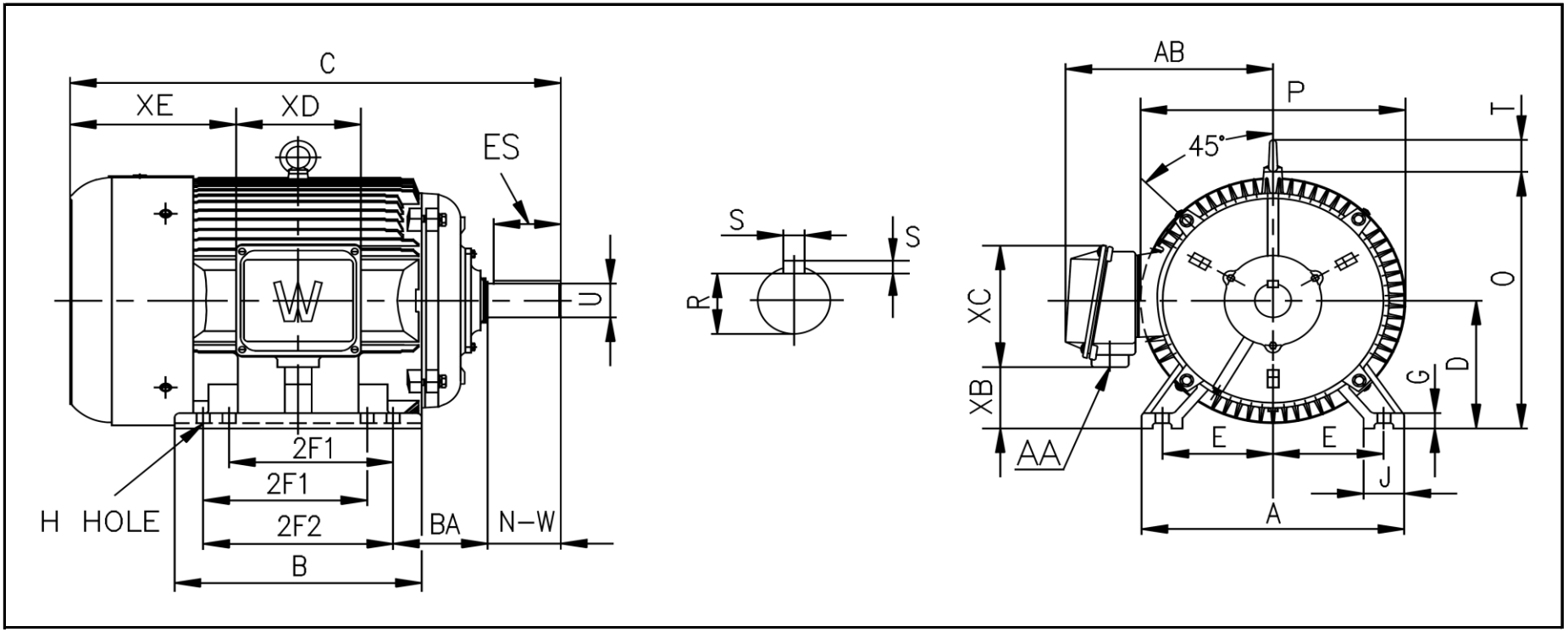
HORSEPOWER	**40**		
RPM / POLES	**1800 / 4**		
VOLTAGE / PHASE	**230 / 460 V / 3**		
FRAME	**324TS**		
ENCLOSURE / DEGREE OF PROTECTION	**TEFC / IP54**		
FREQUENCY	**60 HZ Suitable For 50 HZ Operation With 1.0 SF**		
FULL LOAD SPEED	**1780 RPM**		
SERVICE FACTOR	**1.15**		
INSULATION CLASS	**F**		
FULL LOAD AMPS; 230 / 460	**93.1 / 46.5 A Usable On 208 V At 103 A**		
LOCKED ROTOR AMPS (STARTING); 230 / 460	**698 / 349 A**		
NO LOAD CURRENT	**36.2 / 18.1 A**		
NEMA CODE LETTER	**H**		
EFFICIENCY / POWER FACTOR	LOAD	EFF.	P.F.
	100%	**94.1%**	**0.86**
	75%	**94.3%**	**0.81**
	50%	**94.0%**	**0.71**
DUTY CYCLE	**CONTINUOUS**		
TORQUE	FULL LOAD	LRT	BDT
	118 lb.ft.	**190%**	**280%**
SLIP	**1.10%**		
NEMA DESIGN	**A**		
MOMENT OF INERTIA	**7.13 lb.ft.^{2}**		
SOUND PRESSURE LEVEL	**85 dB(A)**		
MAX. TIME LOCKED ROTOR (Hot)	**13 Seconds**		
MAX. AMBIENT TEMPERATURE	**40° C**		
MAX. ELEVATION	**3300 Ft. Above Sea Level**		
TEMPERATURE RISE (At Full Load)	**80° C**		
DE BEARING	**6312C3**		
ODE BEARING	**6311C3**		
REGREASING INT. - DE BEARING	**7,000 Hours (0.75 oz.)**		
REGREASING INT. - ODE BEARING	**7,500 Hours (0.64 oz.)**		
GREASE TYPE	**Mobil Polyrex EM**		
MOUNTING	**F1**		
ROTATION	**Bi-Directional**		
C-FLANGE	**PEW320TC**		
D-FLANGE	**PEW320TD**		
SHAFT MATERIAL	**1045 Carbon Steel**		
CONNECTION DIAGRAM	**230 / 460 V - 12 Lead Δ**		
APPROXIMATE WEIGHT	**617 lbs.**		
INVERTER RATING	**4:1 CT / 10:1 VT PWM Type**		

C US EEV 200895 **CC006A**

REVISED - 08/14/13

WORLDWIDE ELECTRIC MOTOR DRAWING

PEWWE-324TS



DIMENSIONS - INCHES

MOUNTING														
E	2F1	2F2	H	BA	A	B	C	D	G	J	P	O	T	AB
6.25	10.5	12	0.66	5.25	16	15.5	29.1	8	0.984	2.76	15.75	15.91	2.44	13.4

KEY		KEYSET	SHAFT		TERMINAL BOX				
S	ES	R	N-W	U	AA	XB	XC	XD	XE
0.5	2.03	1.591	3.75	1.875	2	2.64	10.55	8.98	9.65

REVISED - 08/14/13