



WORLDWIDE ELECTRIC MOTOR DATA SHEET

PEWWE40-18-324TC



HORSEPOWER	40		
RPM / POLES	1800 / 4		
VOLTAGE / PHASE	230 / 460 V / 3		
FRAME	324TC		
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP55		
FREQUENCY	60 HZ Suitable For 50 HZ Operation With 1.0 SF		
FULL LOAD SPEED	1775 RPM		
SERVICE FACTOR	1.25		
INSULATION CLASS	F		
FULL LOAD AMPS; 230 / 460	93.7 / 46.8 A (Usable On 208V At 104 A)		
LOCKED ROTOR AMPS (STARTING); 230 / 460	580 / 290 A		
NO LOAD CURRENT	36.2 / 18.1 A		
NEMA CODE LETTER	G		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	100 %	94.1%	0.85
	75 %	94.6%	0.82
DUTY CYCLE	50 %	94.4%	0.72
	S1 / Continuous		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	118 lb.ft.	160%	250%
SLIP	1.40 %		
NEMA DESIGN	B		
MOMENT OF INERTIA	5.74 lb.ft. ²		
MAX. TIME LOCKED ROTOR (Hot)	15 Seconds		
SOUND PRESSURE LEVEL	71 dB (A)		
MAX. AMBIENT TEMPERATURE	40° C		
MAX. ELEVATION	3300 Ft.		
TEMPERATURE RISE (At Full Load)	80° C		
DE BEARING	6312 C3		
ODE BEARING	6311 C3		
REGREASING INT. - DE BEARING	4000 Hours		
REGREASING INT. - ODE BEARING	4000 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	531 lbs.		



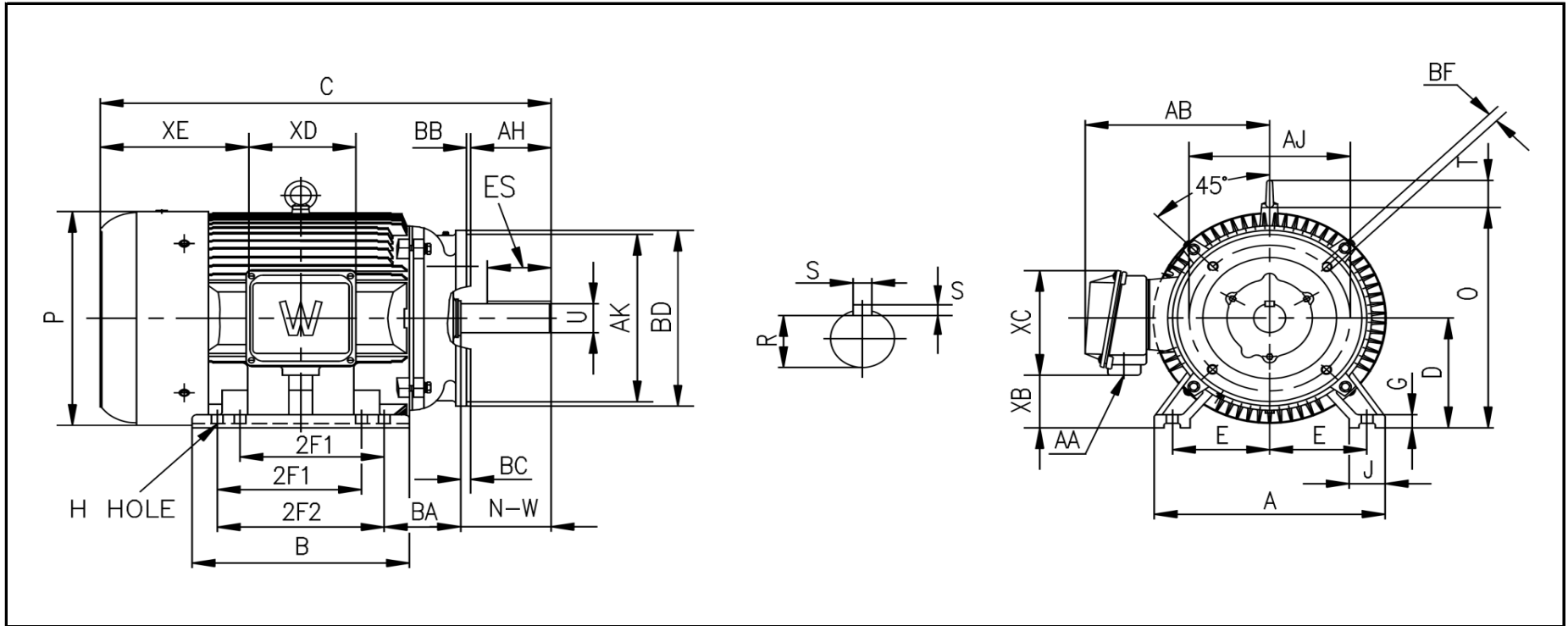
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WORLDWIDE ELECTRIC MOTOR DRAWING

PEWWE-324TC



DIMENSIONS - INCHES

MOUNTING					A	B	C	D	G	J	P	O	T	AB
E	2F1	2F2	H	BA										
6.25	-	10.5	0.66	5.25	16	13.5	29.6	8	0.99	2.8	15.7	16	2.44	14.5

KEY		KEYSET	FLANGE				SHAFT		TERMINAL BOX					
S	ES	R	AK	AJ	BF	BB	BD	N-W	U	AA	XB	XC	XD	XE
0.5	3.91	1.845	12.5	11	5/8 - 11	0.25	14	5.25	2.125	2	2.4	10.8	9	9.35

REVISED - 08/11/17

PERFORMANCE CURVES

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net

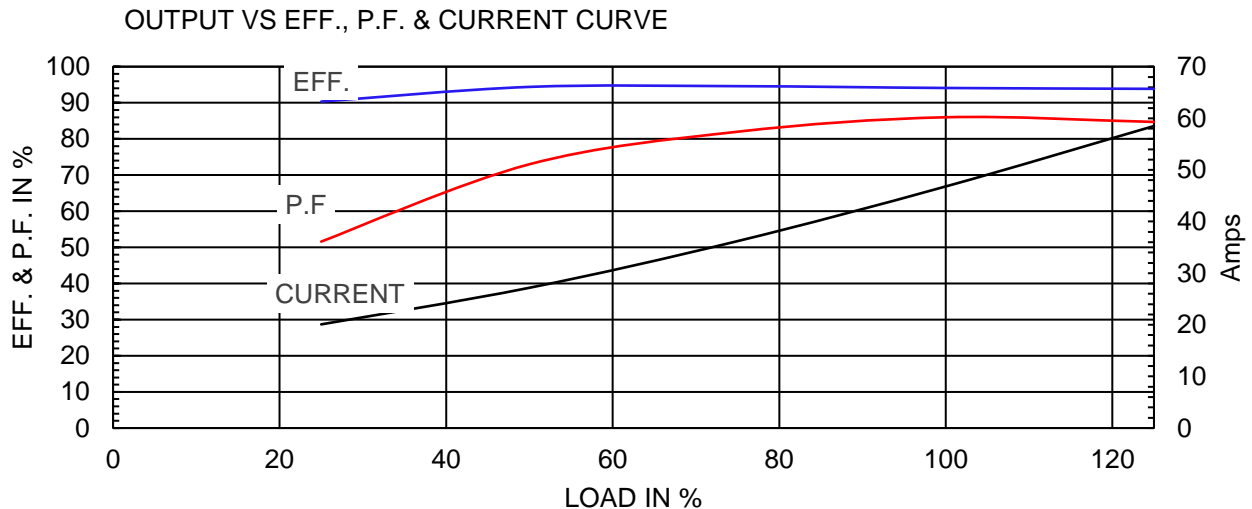
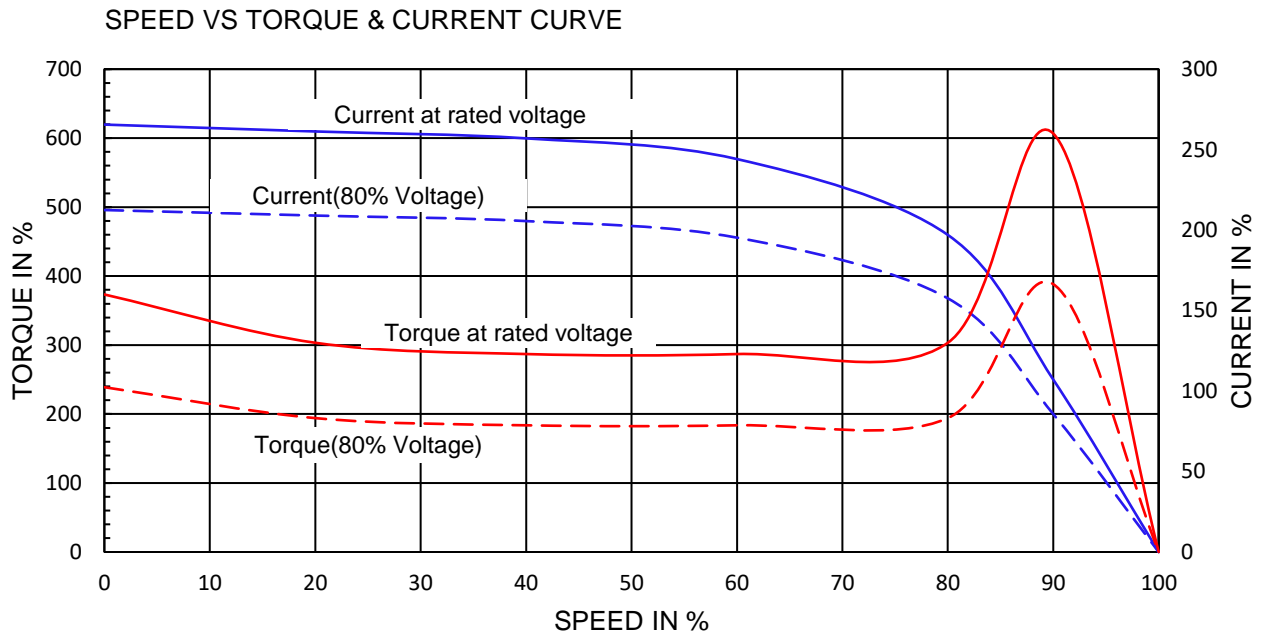


Premium Efficiency Motor:

PEWWE40-18-324TC

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Motor Type	PEWWE		FL Speed	1775	
Output Rating (HP)	40		LRT (%FLT)	160	
Full Load Torque	118 lb.ft		460 volt FLA	46.8	
Rotor Wk ²	6.11 lb-ft ²		230 volt FLA	93.7A	
			BDT (%FLT)	260	



NAMEPLATE / WIRING

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



Premium Efficiency Motor:

PEWWE40-18-324TC

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Customer:

SAMPLE NAMEPLATE DATA

		PREMIUM EFFICIENCY 3-PHASE INDUCTION MOTOR			CC006A ISO9001	259277 	
Model	PEWWE40-18-324TC		Ser No.	ZP			
HP	40	S.F.	1.25	Type		Encl	TEFC IP55
Frame	324TC	P.F.	0.86	Ins Cl	F	Rating	40°C Amb Cont
Voltage	230/460	Hz	60Hz	Design	B	DE Brng	6312 C3
Amps	93.7A / 46.8A	RPM	1775	Code	G	ODE Brng	6311 C3
Nom. Eff.	FL 94.1 %	3/4 94.6 %	230/460 V		Date		
Usable on 208V network at		102	Amps 1.0SF	Class I DIV. 2 Groups A B C D		Amb. 40°C	T3C(160°C)
10:1 CT		20:1 VT	PWM VFD 1.0SF	Class I Zone 2 IIC		Amb. 55°C	T3A(180°C)
50Hz	40	HP	#N/A	V	#N/ / #N/	A	#N/A rpm 1.0SF
WorldWide Electric Corporation							
				Low Voltage ⑥ ④ ⑤ ⑦ ⑧ ⑨ ⑫ ⑩ ⑪ ① ② ③ L1 L2 L3			
				High Voltage ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑫ ⑩ ⑪ ① ② ③ L1 L2 L3			

