



WORLDWIDE ELECTRIC MOTOR DATA SHEET

PEWWE40-36-324TSC



HORSEPOWER	40		
RPM / POLES	3600 / 2		
VOLTAGE / PHASE	230 / 460 V / 3		
FRAME	324TSC		
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP55		
FREQUENCY	60 HZ Suitable For 50 HZ Operation With 1.0 SF		
FULL LOAD SPEED	3545 RPM		
SERVICE FACTOR	1.25		
INSULATION CLASS	F		
FULL LOAD AMPS; 230 / 460	92.1 / 46.1 A (Usable On 208V At 102 A)		
LOCKED ROTOR AMPS (STARTING); 230 / 460	580 / 290 A		
NO LOAD CURRENT	26 / 13 A		
NEMA CODE LETTER	G		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	100 %	92.4%	0.88
	75 %	92.8%	0.85
	50 %	92.0%	0.79
DUTY CYCLE	S1 / Continuous		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	59.2 lb.ft.	175%	255%
SLIP	1.53 %		
NEMA DESIGN	B		
MOMENT OF INERTIA	2.91 lb.ft. ²		
MAX. TIME LOCKED ROTOR (Hot)	16 Seconds		
SOUND PRESSURE LEVEL	77 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	2400 Hours		
REGREASING INT. - ODE BEARING	2400 Hours		
GREASE TYPE	SKF LGHP 2		
MOUNTING	F1		
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	485 lbs.		



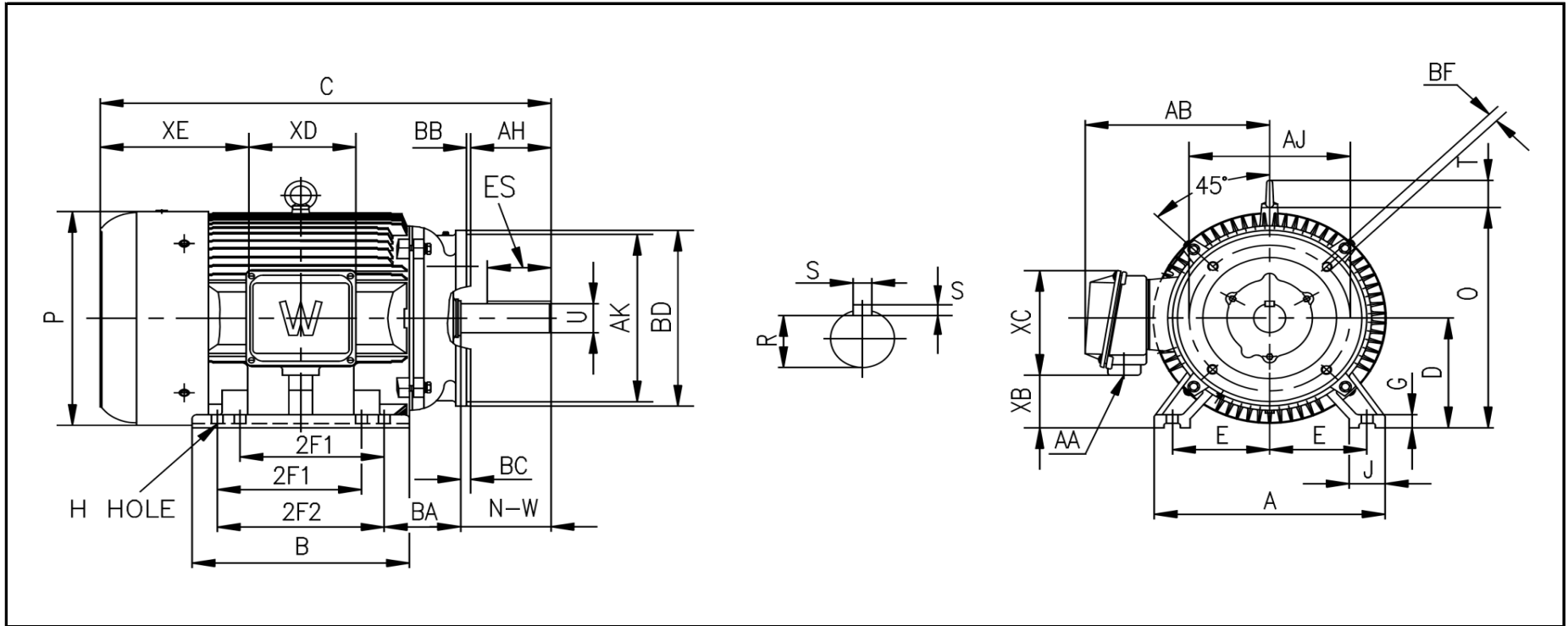
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WORLDWIDE ELECTRIC MOTOR DRAWING

PEWWE-324TSC



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	28.1	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	2.03	1.591	12.5	11	5/8 - 11	0.25	14	3.75	1.875	2	2.4	10.8	9	9.35

REVISED - 08/11/17

PERFORMANCE CURVES

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net

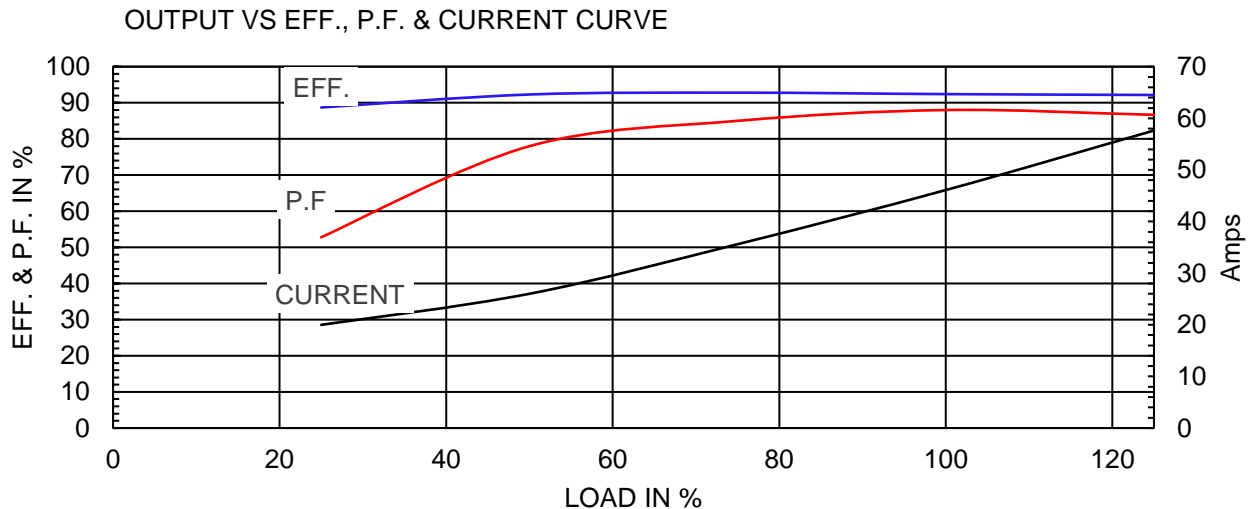
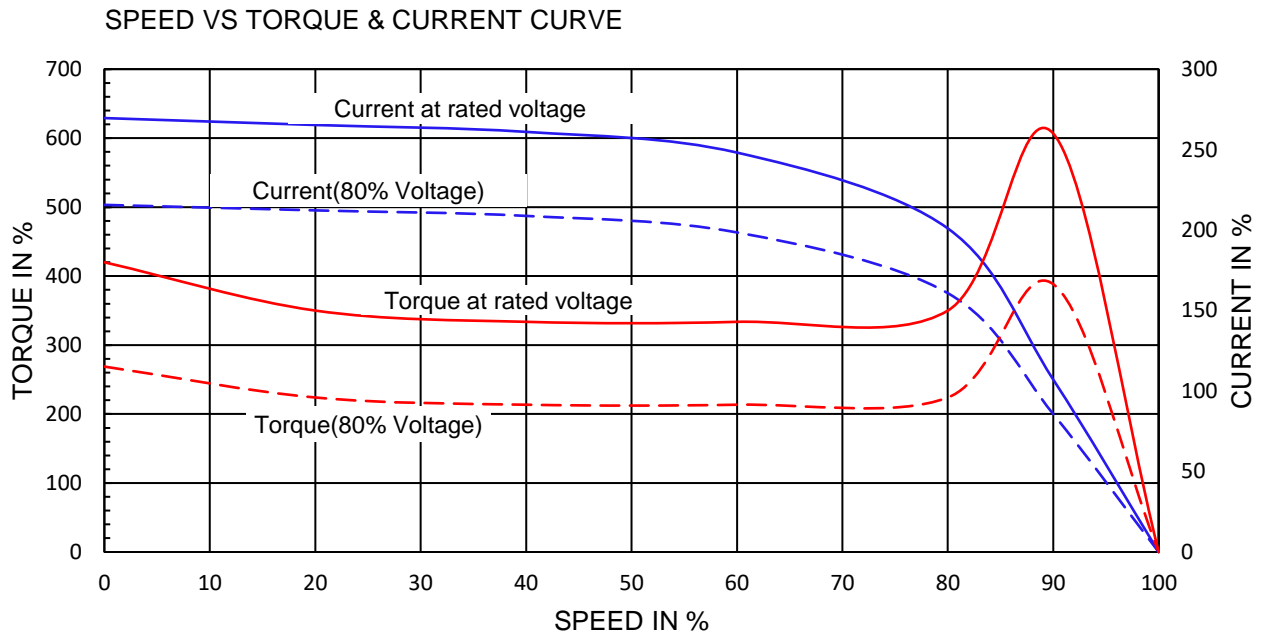


Premium Efficiency Motor:

PEWWE40-36-324TSC

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Motor Type	PEWWE		
Output Rating (HP)	40	FL Speed	3545
Full Load Torque	59.2 lb.ft	LRT (%FLT)	180
Rotor Wk ²	3.05 lb-ft ²	BDT (%FLT)	260
		460 volt FLA	46.1
		230 volt FLA	92.1A



NAMEPLATE / WIRING

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



Premium Efficiency Motor: **PEWWE40-36-324TSC**

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Customer:

SAMPLE NAMEPLATE DATA

		PREMIUM EFFICIENCY 3-PHASE INDUCTION MOTOR				CC006A ISO9001	259277 	
Model	PEWWE40-36-324TSC		Ser No.	ZP		Low Voltage 6 4 5 7 8 9 12 10 11 1 2 3 L1 L2 L3		
HP	40	S.F.	1.25	Type		Encl	TEFC IP55	
Frame	324TSC	P.F.	0.88	Ins Cl	F	Rating	40°C Amb Cont	
Voltage	230/460	Hz	60 Hz	Design	B	DE Brng	6312 C3	
Amps	92.1A / 46.1A	RPM	3545	Code	G	ODE Brng	6311 C3	
Nom. Eff.	FL 92.4 %	3/4 92.8 %	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	200/400 V	V	106 / 53.	A	2945 rpm	
WorldWide Electric Corporation								High Voltage 4 5 6 7 8 9 12 10 11 1 2 3 L1 L2 L3

