



DATA SHEET

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

60 Hz

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Customer:

MOTOR INFORMATION

HP	40
RPM	3600
Phase	3
Frequency	60 Hz
Voltage	230/460 V
Frame Size	324TSC
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	2
Full Load Speed	3545
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	G
Duty Cycle	S1 / Continuous
Slip	1.53%
NEMA Design	B
Moment of Inertia	2.91 lb.ft.^2
Locked Rotor Time (Hot)	16 seconds
Sound Pressure Level	77 dB(A)
Number of Starts	2 Cold/ 1 Hot
Max Ambient Temperature	40°C
Max Elevation	1000 m.a.s.l (3300 f.a.s.l)
Mounting	F1
Rotation	Bi-Directional
Area of Classification	Class 1 Division 2 Groups A,B,C,D T3C(160°C)
Inverter Rating	10:1 CT / 20:1 VT PWM Type
Standard	NEMA MG-1
Approvals	CSA-US, CE

EFFICIENCY/POWER FACTOR

LOAD	EFF	P. F.
100%	92.4	
%	0.8875%	0.8
50%	5	
	92.0 %	0.79

TORQUE

FULL LOAD	LRT	BDT
59.2 lb.ft.	175 %	255
%		

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	92.1A	46.1A
Locked Rotor Amps	580A	290A
No Load Current	26A	13A
Usable at 208V	102A	

BEARING INFORMATION

DE Bearing	6312 C3
ODE Bearing Grease Ty	6311 C3
pe DE Regreasing	SKF LGHP 2
Interval	2400 Hours
ODE Regreasing Interval	2400 Hours

ADDITIONAL DATA

F2 Suitable	Yes
Shaft Material	1045 Carbon Steel
Connection Diagram	230 / 460 V - 12 Lead
Approximate Weight	Δ
	470 lbs.



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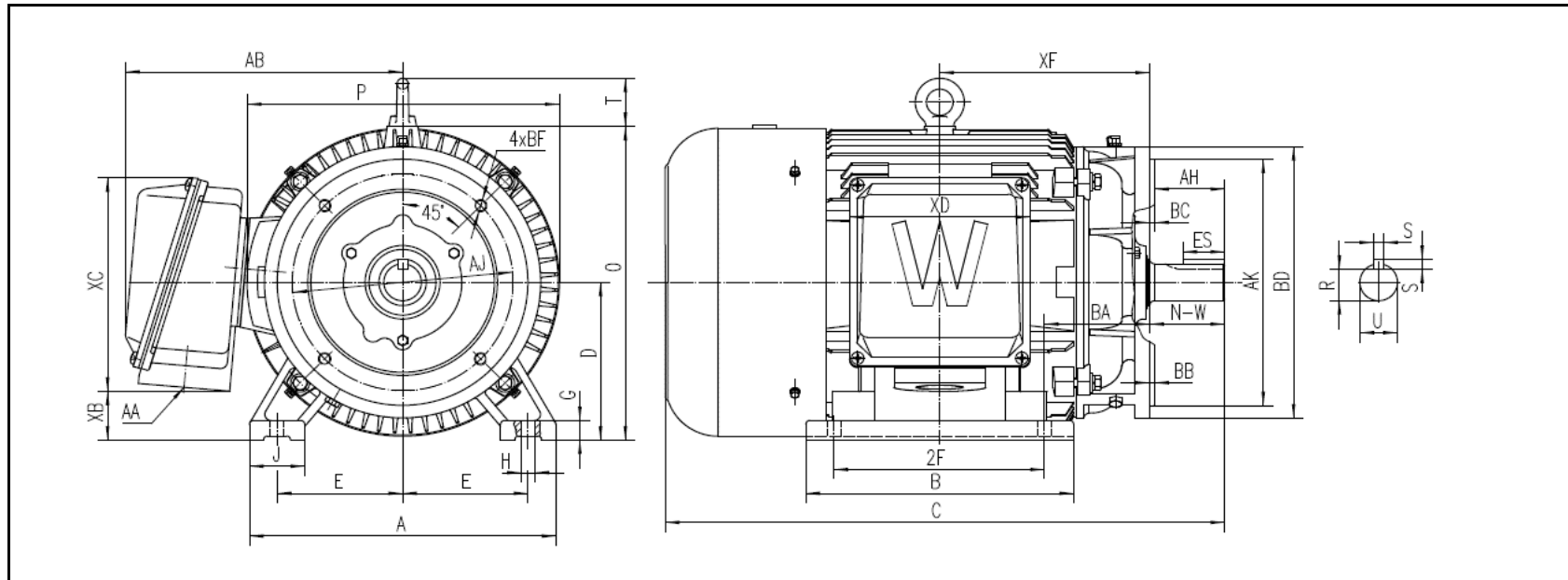
AC-DC MOTORS :: SALES & SERVICE
REWINDING :: CUSTOM CONTROL PANEL

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MOTOR DRAWING

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



DIMENSION - INCHES

MOUNTING					A	B	C	D	G	J	P	O	T	AB
E	2F1	2F	H	BA										
6.25	--	10.5	0.66	5.25	15.276	13.346	27.882	8	0.984	2.756	15.571	15.913	2.441	13.813

SHAFT & KEY					
S	ES	R	N-W	AH	U
0.5	2.03	1.591	3.75	3.5	1.875

TERMINAL BOX				
AA	XB	XC	XD	XF
2	2.471	10.826	8.976	10.461

FLANGE					
AJ	AK	BB	BD	BF	BC
11	12.5	0.25	13.78	5/8-11	0.25



PERFORMANCE CURVES

Premium Efficiency Motor:

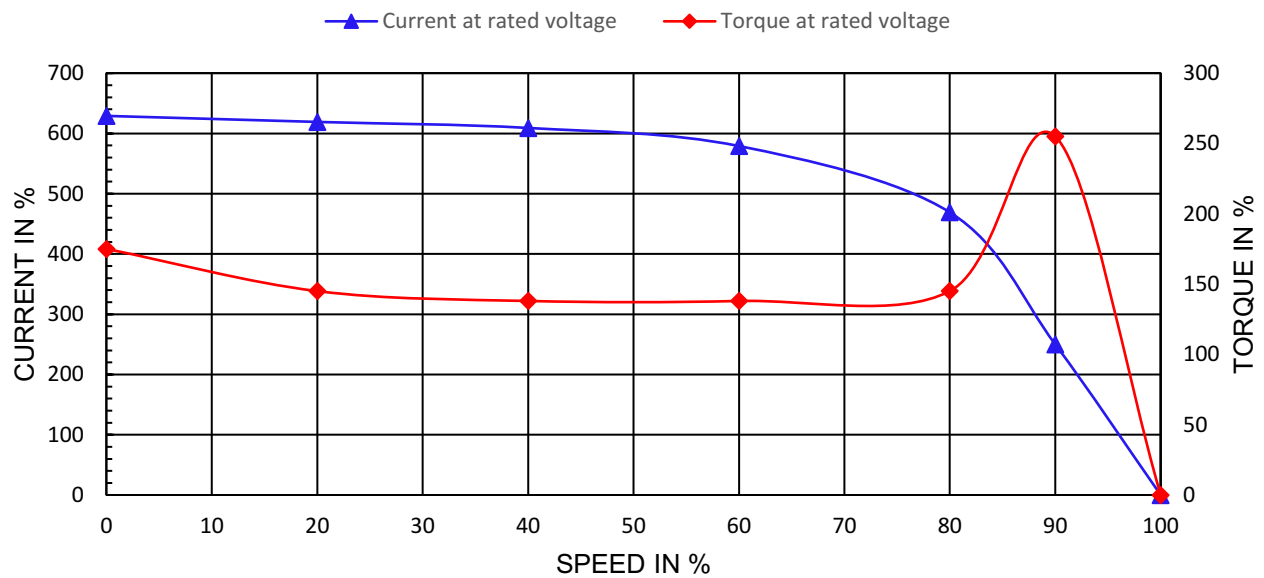
PEWWE40-36-324TSC

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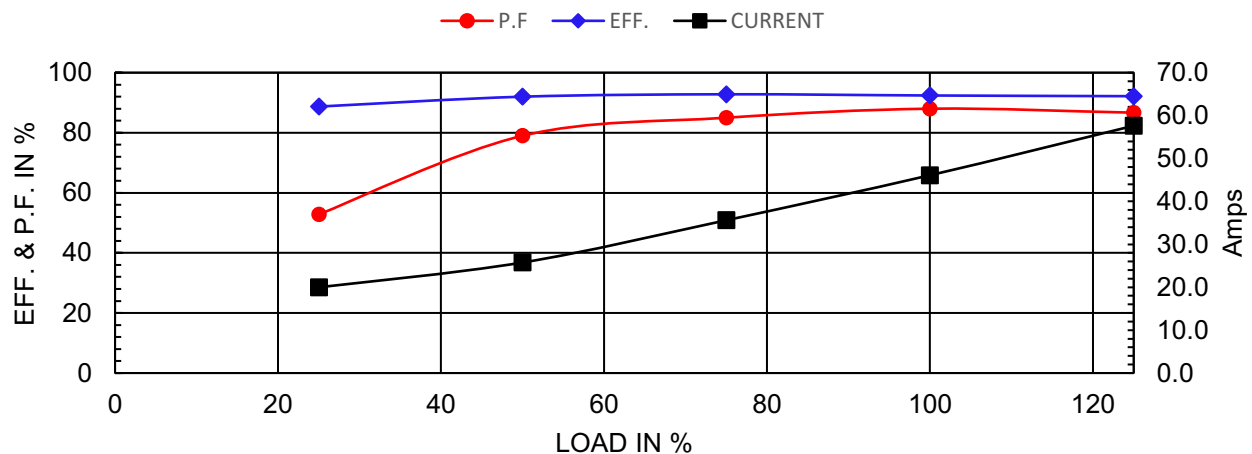
Customer:

Motor Type	PEWWE		FL Speed	3545		
Output Rating (HP)	40		LRT (%FLT)	175	460 volt FLA	46.1
Full Load Torque	59.2	lb.ft	BDT (%FLT)	255	230 volt FLA	92.1
Rotor Wk^2	2.91	lb-ft^2				

SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F. & CURRENT CURVE





NAMEPLATE / WIRING

Premium Efficiency Motor:

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SAMPLE NAMEPLATE DATA

		3-PHASE		259277					
INDUCTION MOTOR		C US		CC006A		Energy VerMed			
Model		Ser No.		Low Voltage		50Hz			
HP		S.F.		Rating	°C Amb Cont	6 4 5	1.0SF		
Frame		P.F.		IP	Encl	7 8 9		HP	
Voltage	230/460	Hz		Code	Type	12 10 11		%	
Amps		RPM		Ins Cl	Design	1 2 3		V	
Nom.Eff. FL		% 3/4	%	10:1 CT 20:1 VT PWM VFD	1.0SF	L1 L2 L3		A	
Class I DIV. 2 Groups A B C D		Amb.40°C				High Voltage			
Class I Zone 2 II C		Amb.55°C		Date		4 5 6		rpm	
Grease type: LGHP 2 (compatible with polyrex)		DE Brng		ODE Brng		7 8 9			
						12 10 11			
						1 2 3			
						L1 L2 L3			
WorldWide Electric Corporation									

Model	PEWWE40-36-324TSC								
HP	40	S.F.	1.25	IP	IP55	Encl	TEF		
C Frame	324TSC	P.F.	0.88	Code	G	Type			
Voltage	230/460 V	Hz	60 Hz	Ins Cl	F	Ambient	40°C		
Amps	92.1/46.1	RPM	3545	Design	B	DE Brng	6312 C3		
Nom.Eff.	FL	92.4%	3/4	92.8%		ODE Brng	6311 C3		
Class 1 Division 2 Groups A,B,C,D T3C(160°C)						Grease type: SKF LGHP 2			
50Hz									
40 HP		200/400 V		106/53.A		2945 rpm			
Eff. 92%									