

DATA SHEET

Premium Efficiency Motor: **PEWWE25-12-324TC**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



Document Generated: 16-Feb-2023

Document ID:

Customer:

MOTOR INFORMATION

HP	25
RPM	1200
Phase	3
Frequency	60Hz
Voltage	230/460 V
Frame Size	324TC
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	6
Full Load Speed	1185
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	G
Duty Cycle	S1 / Continuous
Slip	1.25%
NEMA Design	B
Moment of Inertia	7.31 lb.ft.^2
Locked Rotor Time (Hot)	15 seconds
Sound Pressure Level	70 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 I, Division 2, Groups A, B, C, D
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%	93.0 %	0.77
75%	93.4 %	0.72
50%	92.9 %	0.61

TORQUE

FULL LOAD	LRT	BDT
111 lb.ft.	160 %	210 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	65.4A	32.7A
Locked Rotor Amps	365A	182.5A
No Load Current	31A	15.5A
Usable at 208V	72.3A	

BEARING INFORMATION

DE Bearing	6312 C3
ODE Bearing	6311 C3
Grease Type	SKF LGHP 2
DE Regreasing Interval	6000 Hours
ODE Regreasing Interval	6000 Hours

ADDITIONAL DATA

F2 Suitable	Yes
Shaft Material	1045 Carbon Steel
Connection Diagram	230 / 460 V - 12 Lead Δ
Approximate Weight	481 lbs.

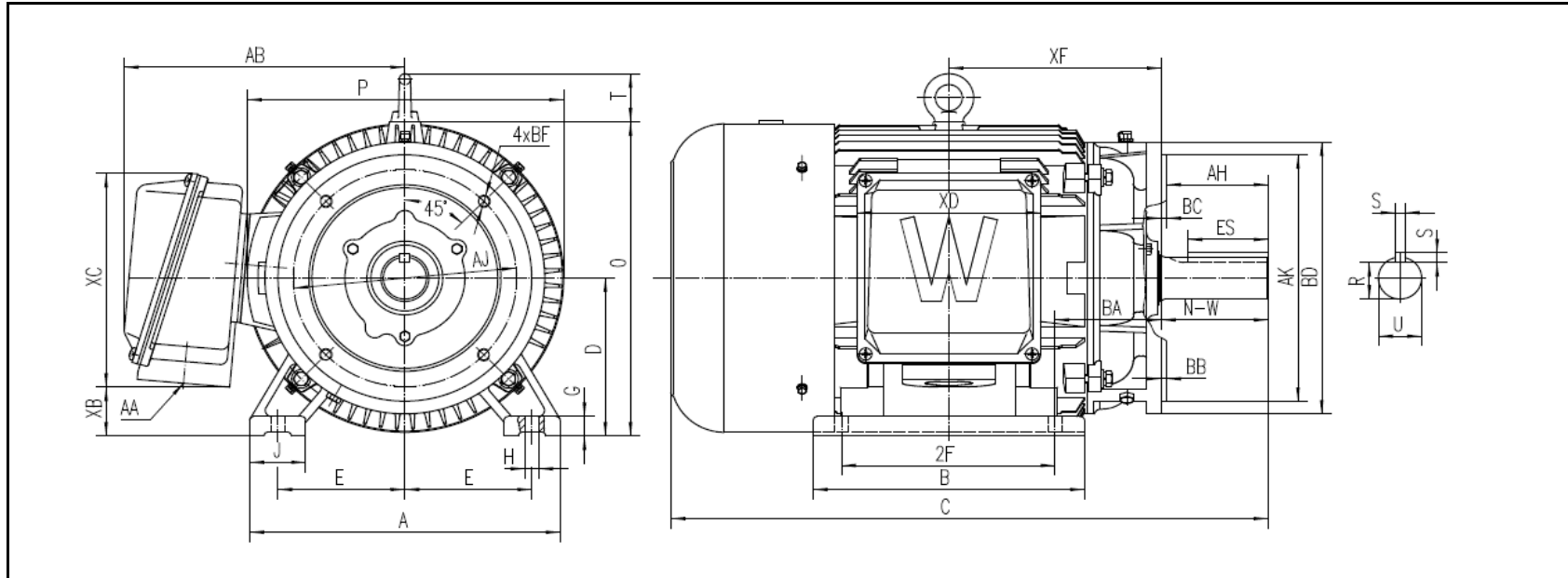
MOTOR DRAWING

Premium Efficiency Motor: **PEWWE25-12-324TC**

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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	29.392	8	0.984	2.756	15.751	15.913	2.441	13.813

SHAFT & KEY					
S	ES	R	N-W	AH	U
0.5	3.91	1.845	5.25	5	2.125

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

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



Premium Efficiency Motor:

PEWWE25-12-324TC

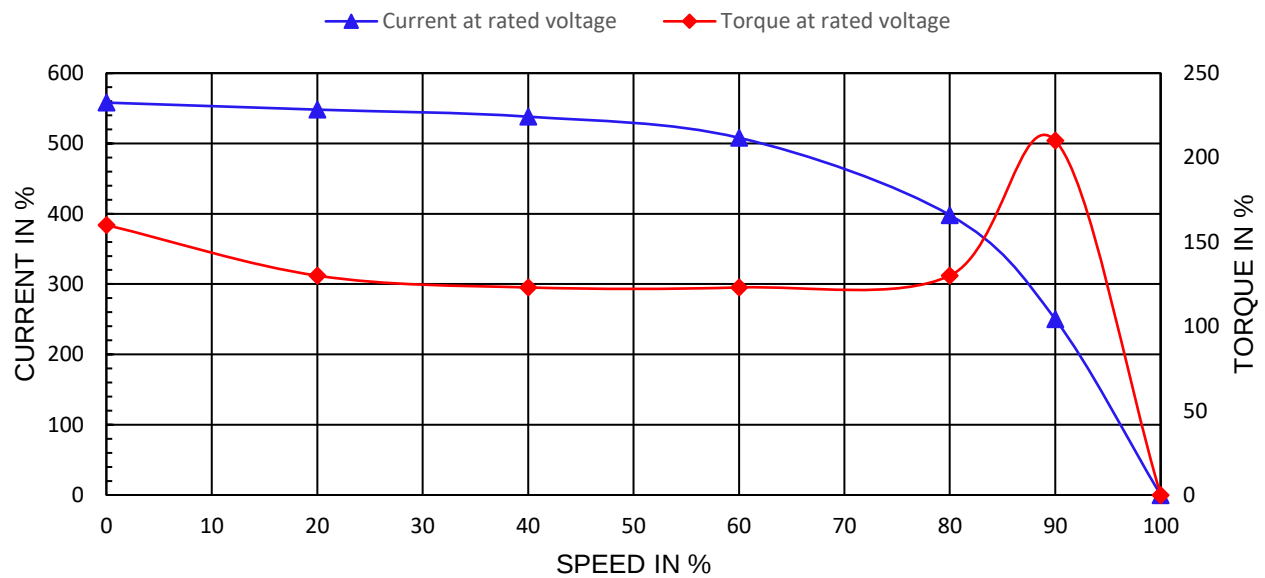
Document Generated: 16-Feb-2023

Document ID:

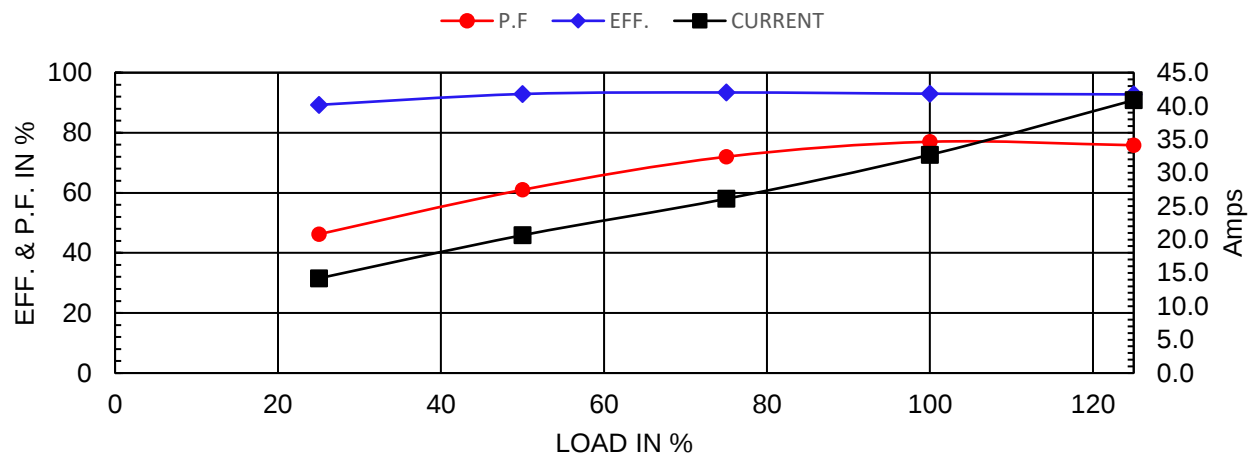
Customer:

Motor Type	PEWWE		FL Speed	1185		
Output Rating (HP)	25		LRT (%FLT)	160	460 volt FLA	32.7
Full Load Torque	111 lb.ft		BDT (%FLT)	210	230 volt FLA	65.4
Rotor Wk^2	7.31 lb-ft^2					

SPEED VS TORQUE & CURRENT CURVE



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



NAMEPLATE / WIRING

Premium Efficiency Motor:

PEWWE25-12-324TC

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



Document Generated: 16-Feb-2023
Document ID:

Customer:

SAMPLE NAMEPLATE DATA

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

Model	PEWWE25-12-324TC								
HP	25	S.F.	1.25	IP	IP55	Encl	TEFC		
Frame	324TC	P.F.	0.77	Code	G	Type			
Voltage	230/460 V	Hz	60Hz	Ins Cl	F	Ambient	40°C		
Amps	65.4/32.7	RPM	1185	Design	B	DE Brng	6312 C3		
Nom.Eff.	FL	93.0%	3/4	93.4%		ODE Brng	6311 C3		
						Grease type:	SKF LGHP 2		
50Hz 25 HP 200/400 V 77.3/38.7 A 985 rpm									