

DATA SHEET

Premium Efficiency Motor: **PEWWE5-36-184TC**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Customer:

MOTOR INFORMATION

HP	5
RPM	3600
Phase	3
Frequency	60 Hz
Voltage	230/460 V
Frame Size	184TC
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	2
Full Load Speed	3490
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	J
Duty Cycle	S1 / Continuous
Slip	3.06%
NEMA Design	B
Moment of Inertia	0.16 lb.ft.^2
Locked Rotor Time (Hot)	12 seconds
Sound Pressure Level	64 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%	88.5 %	0.88
75%	89.8 %	0.83
50%	89.6 %	0.73

TORQUE

FULL LOAD	LRT	BDT
7.52 lb.ft.	210 %	340 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	12A	6.01A
Locked Rotor Amps	92A	46A
No Load Current	4.6A	2.3A
Usable at 208V		13.3A

BEARING INFORMATION

DE Bearing	6206ZZ C3
ODE Bearing	6206ZZ C3
Grease Type	--
DE Regreasing Interval	- Hours
ODE Regreasing Interval	- Hours

ADDITIONAL DATA

F2 Suitable	No
Shaft Material	1045 Carbon Steel
Connection Diagram	230 / 460 V - 9 Lead Y
Approximate Weight	91 lbs.

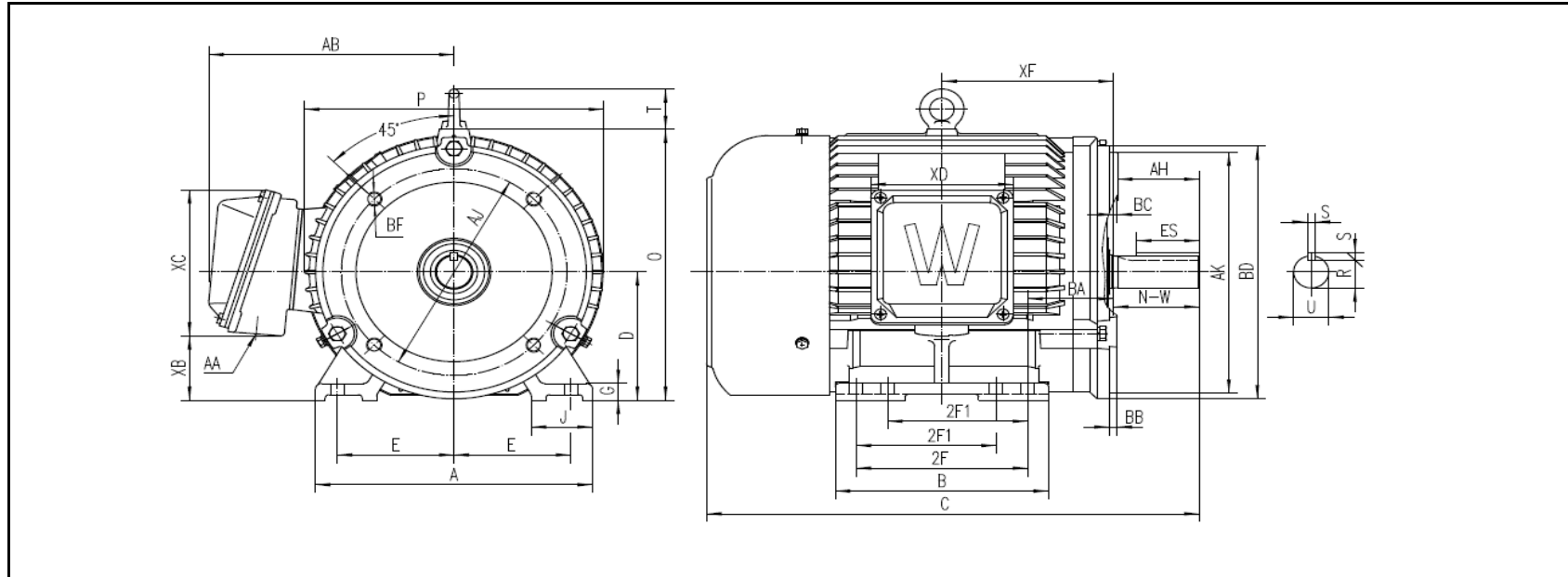
MOTOR DRAWING

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DIMENSION - INCHES

MOUNTING					A	B	C	D	G	J	P	O	T	AB
E	2F1	2F	H	BA										
3.75	4.5	5.5	0.41	2.75	8.898	6.852	15.827	4.5	0.591	1.969	9.606	9.5	1.417	7.876

SHAFT & KEY					
S	ES	R	N-W	AH	U
0.25	1.78	0.986	2.75	2.62	1.125

TERMINAL BOX				
AA	XB	XC	XD	XF
1	2.26	5.124	4.567	5.509

FLANGE					
AJ	AK	BB	BD	BF	BC
7.25	8.5	0.25	8.86	1/2-13	0.12

PERFORMANCE CURVES

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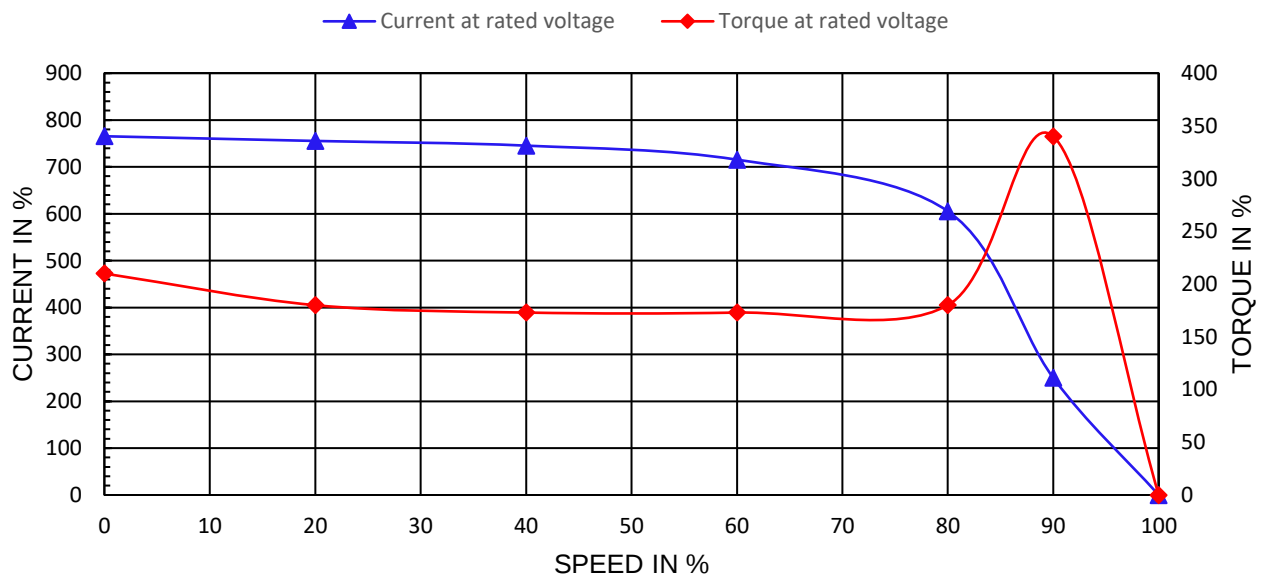
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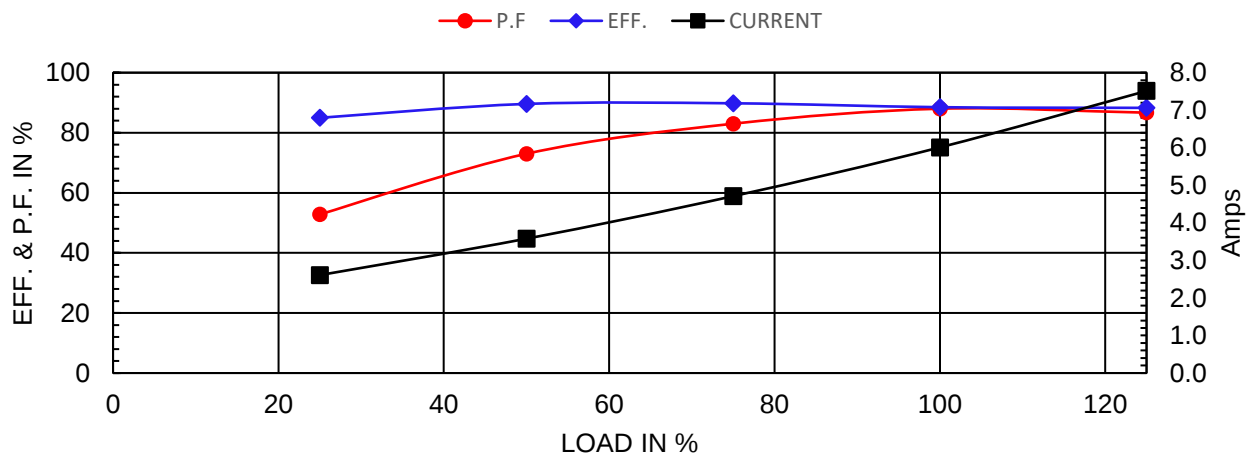
Customer:

Motor Type	PEWWE				
Output Rating (HP)	5		FL Speed	3490	
Full Load Torque	7.52	lb.ft	LRT (%FLT)	210	460 volt FLA 6.01
Rotor Wk^2	0.16	lb-ft^2	BDT (%FLT)	340	230 volt FLA 12

SPEED VS TORQUE & CURRENT CURVE



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



NAMEPLATE / WIRING

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SAMPLE NAMEPLATE DATA

		3-PHASE INDUCTION MOTOR		259277 	
Model		Ser No.		Low Voltage 50Hz 1.0SF HP % V A rpm	
HP		S.F.		Rating	°C Amb Cont
Frame		P.F.		IP	Encl
Voltage	230/460	Hz		Code	Type
Amps		RPM		Ins Cl	Design
Nom. Eff.	FL	% 3/4	%	10:1 CT	20:1 VT PWM VFD 1.0SF
Class I DIV. 2 Groups A B C D		Amb. 40°C		T3C(160°C)	
Class I Zone 2 IIC		Amb. 55°C		T3A(180°C)	
Grease type:		DE Brng		Date	
		ODE Brng			
WorldWide Electric Corporation					

Model	PEWWE5-36-184TC				
HP	5	S.F.	1.25	IP	IP55
Encl	TEFC				
Frame	184TC	P.F.	0.88	Code	J
Type					
Voltage	230/460 V	Hz	60 Hz	Ins Cl	F
Ambient	40°C				
Amps	12/6.01	RPM	3490	Design	B
DE Brng	6206ZZ C3				
Nom. Eff.	FL	88.5%	3/4	89.8%	ODE Brng 6206ZZ C3
Grease type:	--				
Class 1 Division 2 Groups A,B,C,D T3C(160°C)					
50Hz					
5 HP	200/400 V	14.3/7.1 A	2900 rpm		
Eff. 85.8%					