

DATA SHEET

Premium Efficiency Motor: **PEWWE5-18-184TC**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Customer:

MOTOR INFORMATION

HP	5
RPM	1800
Phase	3
Frequency	60 Hz
Voltage	230/460 V
Frame Size	184TC
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	4
Full Load Speed	1755
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	J
Duty Cycle	S1 / Continuous
Slip	2.50%
NEMA Design	B
Moment of Inertia	0.313 lb.ft. ²
Locked Rotor Time (Hot)	16 seconds
Sound Pressure Level	63 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%	89.5 %	0.83
75%	90.0 %	0.77
50%	89.2 %	0.66

TORQUE

FULL LOAD	LRT	BDT
15 lb.ft.	200 %	280 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	12.6A	6.3A
Locked Rotor Amps	92A	46A
No Load Current	5.7A	2.85A
Usable at 208V	13.9A	

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	102 lbs.

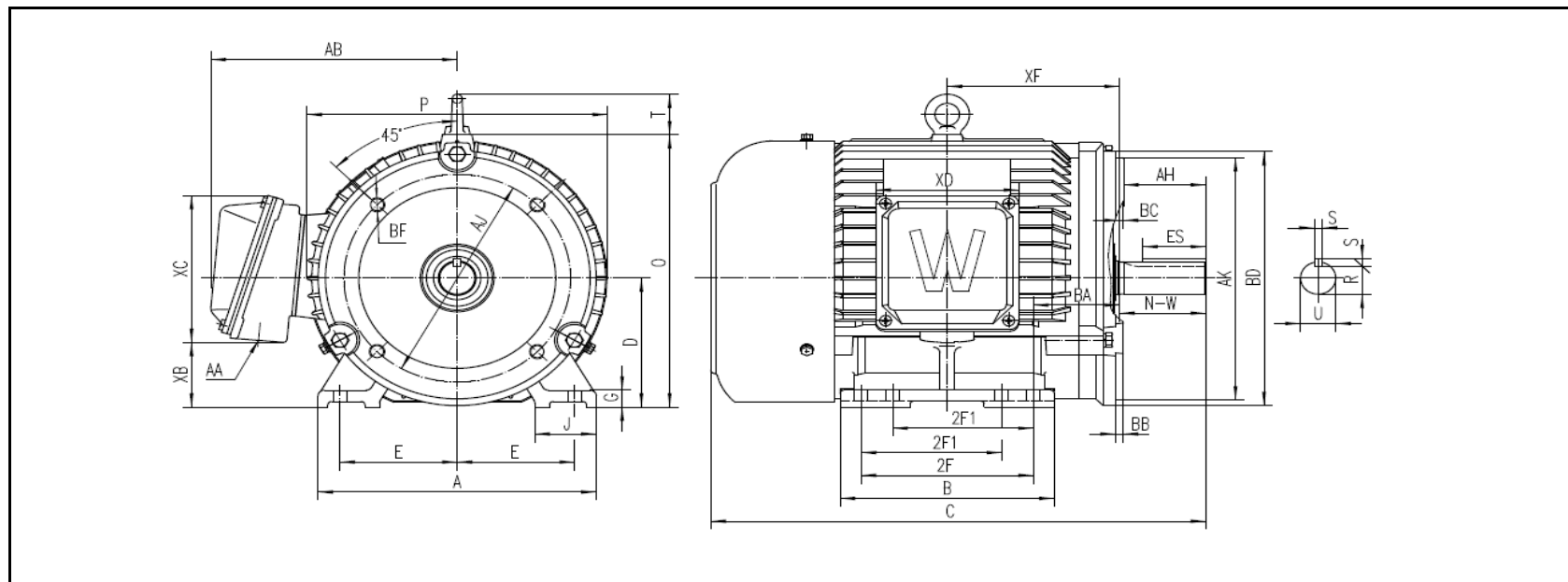
MOTOR DRAWING

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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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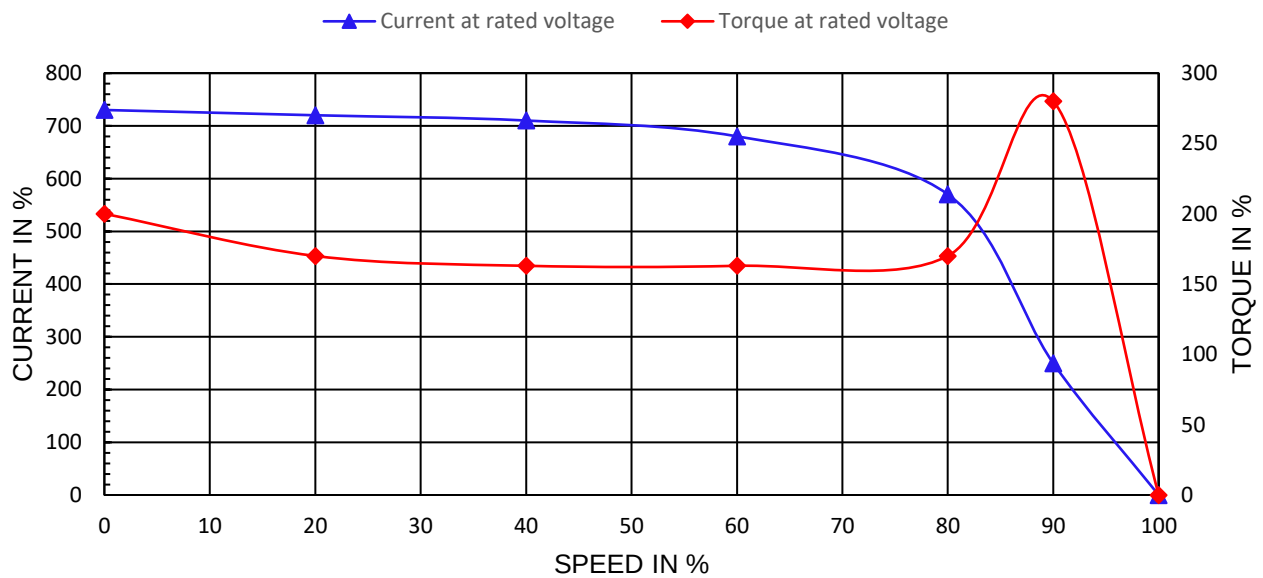
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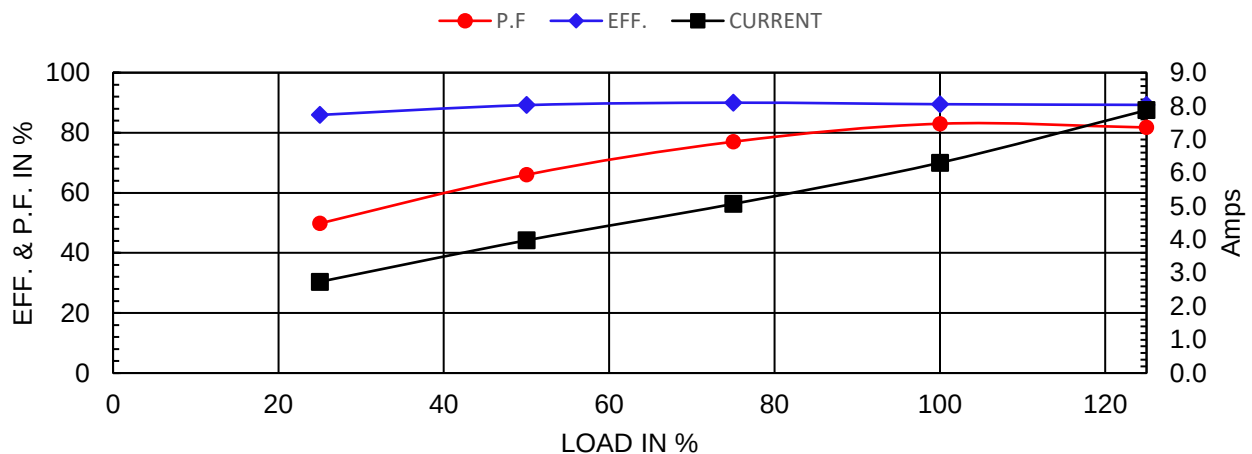
Customer:

Motor Type	PEWWE		FL Speed	1755		
Output Rating (HP)	5		LRT (%FLT)	200	460 volt FLA	6.3
Full Load Torque	15	lb.ft	BDT (%FLT)	280	230 volt FLA	12.6
Rotor Wk^2	0.313	lb-ft^2				

SPEED VS TORQUE & CURRENT CURVE



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



NAMEPLATE / WIRING

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SAMPLE NAMEPLATE DATA

		NEMA Premium		3-PHASE INDUCTION MOTOR		259277 		CE CC006A	
Model				Ser No.				Low Voltage	
HP		S.F.		IP		Encl		4 5 6 7 8 9 1 2 3 L1 L2 L3	
Frame		P.F.		Code		Type		High Voltage	
Voltage	230/460	Hz		Ins Cl		Rating	°C Amb Cont	4 5 6 7 8 9 1 2 3 L1 L2 L3	
Amps		RPM		Design		Date			
Nom.Eff.	FL	% 3/4	%	230/460V	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)		DE Brng		
Class I Zone 2 IIC				Amb.55°C	T3A(180°C)		ODE Brng		
						Grease type:			
50Hz		HP	V	A	rpm	S.F1.0			
WorldWide Electric Corporation									

Model	PEWWE5-18-184TC						
HP	5	S.F.	1.25	IP	IP55	Encl	TEFC
Frame	184TC	P.F.	0.83	Code	J	Type	
Voltage	230/460 V	Hz	60 Hz	Ins Cl	F	Ambient	40°C
Amps	12.6/6.3	RPM	1755	Design	B	DE Brng	6206ZZ C3
Nom.Eff.	FL	89.5%	3/4	90.0%		ODE Brng	6206ZZ C3
						Grease type:	--
50Hz		5 HP	200/400 V	15/7.49	A	1450 rpm	