

DATA SHEET

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

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	184JM
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 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%	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	6307ZZ 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.

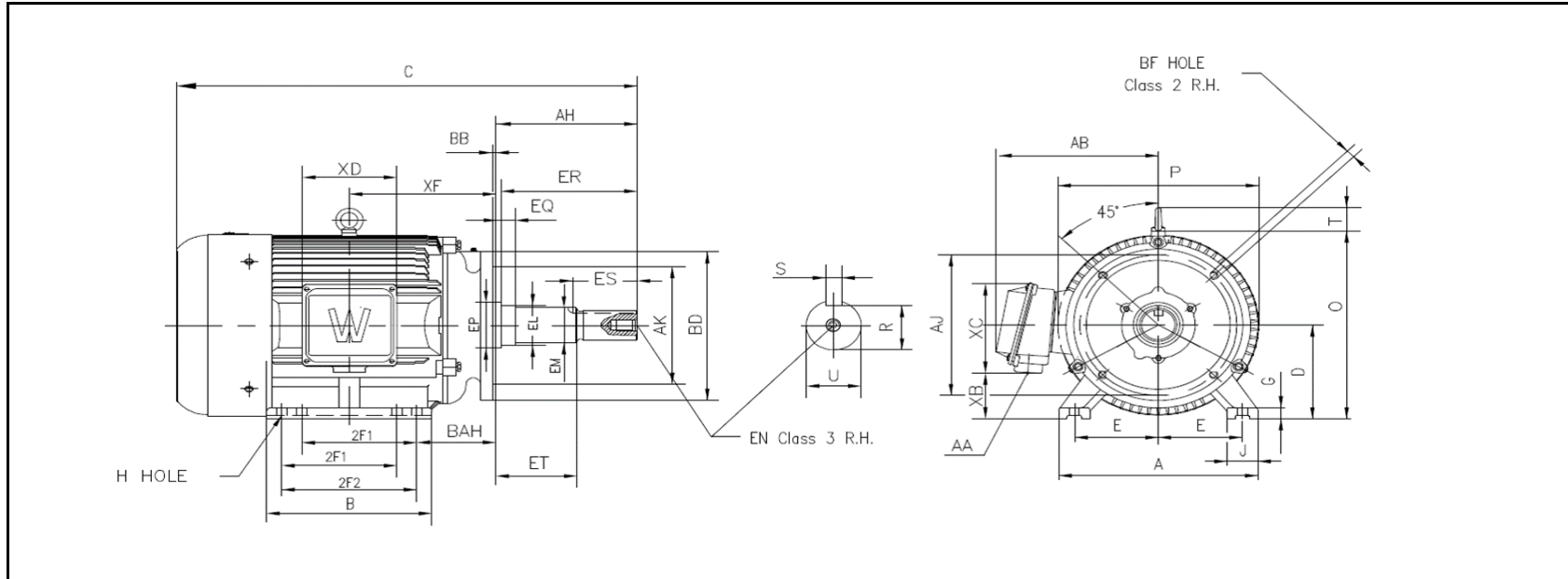
MOTOR DRAWING

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DIMENSION - INCHES

MOUNTING					A	B	C	D	G	J	P	O	T	AB
E	2F1	2F	H	BAH										
3.75	4.5	5.5	0.41	3.37	9	7	18	4.5	0.6	2	9.7	9.5	1.42	8

SHAFT & KEY												
S	ES	R	AH	EQ	ET	EM	EL	EP	ER	EN	U	
0.188	1.65	0.768	4.25	0.625	2.875	1	1.25	1.378	4.27	3/8-16	0.874	

FLANGE				
AJ	AK	BB	BD	BF
5.875	4.5	0.156	6.6	3/8-16

TERMINAL BOX				
AA	XB	XC	XD	XF
1	2.2	5.1	4.6	6.13

PERFORMANCE CURVES

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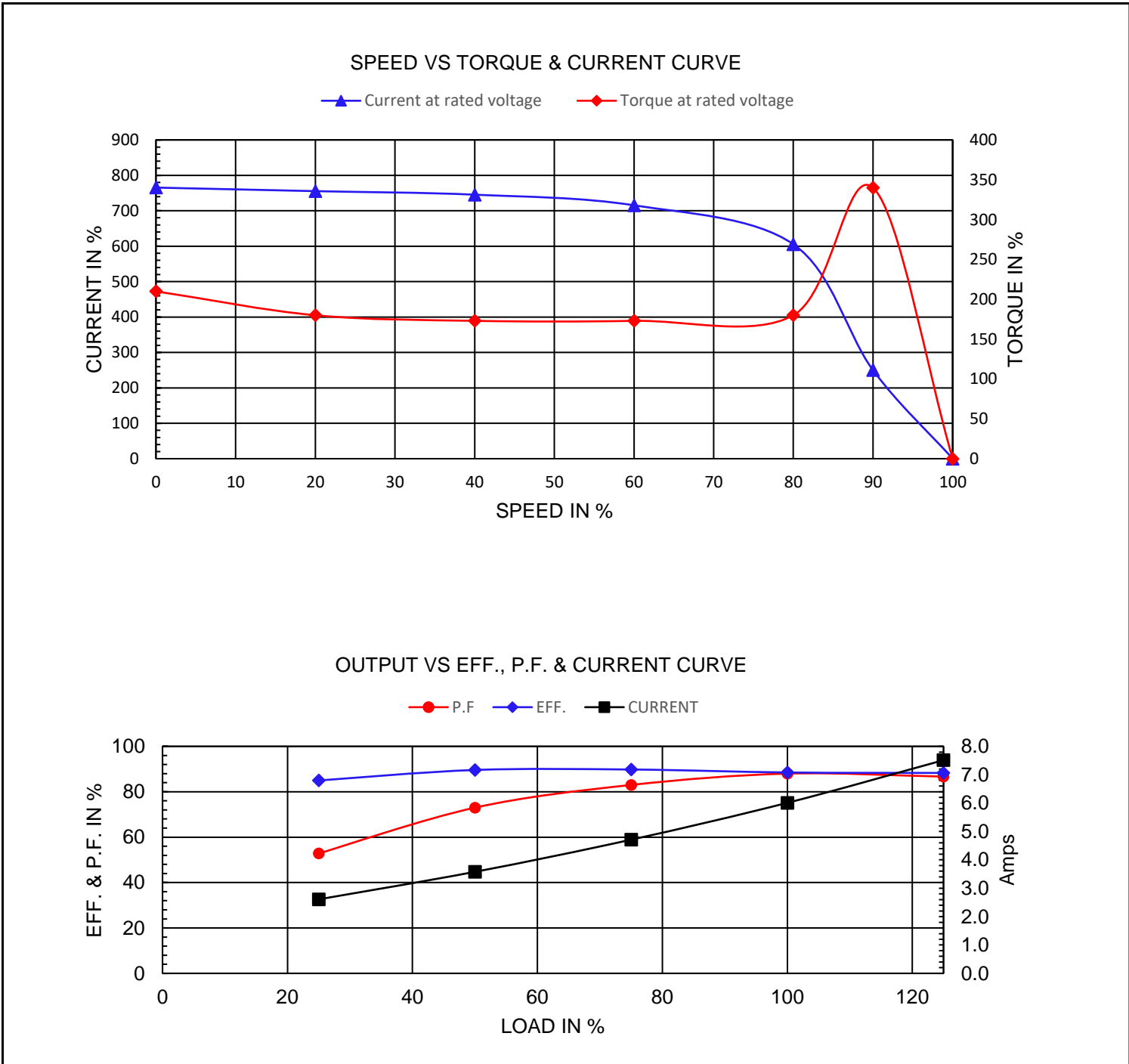
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Motor Type	PEWWE		FL Speed	3490		
Output Rating (HP)	5		LRT (%FLT)	210	460 volt FLA	6.01
Full Load Torque	7.52	lb.ft	BDT (%FLT)	340	230 volt FLA	12
Rotor Wk ²	0.16	lb-ft ²				



NAMEPLATE / WIRING

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WORLDWIDE
ELECTRIC CORPORATION

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SAMPLE NAMEPLATE DATA

		NEMA Premium		3-PHASE INDUCTION MOTOR		259277			CC006A
Model				Ser No.				Low Voltage	
HP	S.F.		IP		Encl				4-5-6
Frame	P.F.		Code		Type				7-8-9
Voltage	230/460	Hz		Ins Cl	Rating	°C Amb Cont			1-2-3
Amps		RPM		Design	Date				L1 L2 L3
Nom.Eff.	FL	% 3/4	%	230/460V	10:1 CT	20:1 VT	PWM	VFD	1.0SF
				DE Brng					4-5-6
Class I DIV. 2 Groups A B C D				Amb.40°C	T3C(160°C)	ODE Brng			
Class I Zone 2 IIC				Amb.55°C	T3A(180°C)	Grease type:			
50Hz		HP	V	A	rpm	S.F1.0			

Model	PEWWE5-36-184JM								
HP	5	S.F.	1.25	IP	IP55	Encl	TEFC		
Frame	184JM	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	6307ZZ C3		
Nom.Eff.	FL	88.5%	3/4	89.8%		ODE Brng	6206ZZ C3		
						Grease type:	--		
50Hz		5 HP	200/400 V	14.3-7.13	A	2885 rpm			