

# DATA SHEET

Premium Efficiency Motor: **PEWWE3-18-182JM**

**60 Hz**

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Document ID:

Customer:

## MOTOR INFORMATION

HP	3
RPM	1800
Phase	3
Frequency	60 Hz
Voltage	230/460 V
Frame Size	182JM
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	K
Duty Cycle	S1 / Continuous
Slip	2.50%
NEMA Design	B
Moment of Inertia	0.217 lb.ft. <sup>2</sup>
Locked Rotor Time (Hot)	12 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 %	0.77
75%	89.7 %	0.69
50%	88.0 %	0.56

## TORQUE

FULL LOAD	LRT	BDT
9 lb.ft.	220 %	320 %

## AMPERAGE INFORMATION

	230V	460V
Full Load Amps	8.15A	4.08A
Locked Rotor Amps	64A	32A
No Load Current	5A	2.5A
Usable at 208V	9.01A	

## BEARING INFORMATION

DE Bearing	6307ZZ C3
ODE Bearing	6206ZZ C3
Grease Type	--
DE Regreasing Interval	- Hours
ODE Regreasing Interval	- Hours

## ADDITIONAL DATA

F2 Suitable	Yes
Shaft Material	1045 Carbon Steel
Connection Diagram	230 / 460 V - 9 Lead Y
Approximate Weight	83.5 lbs.

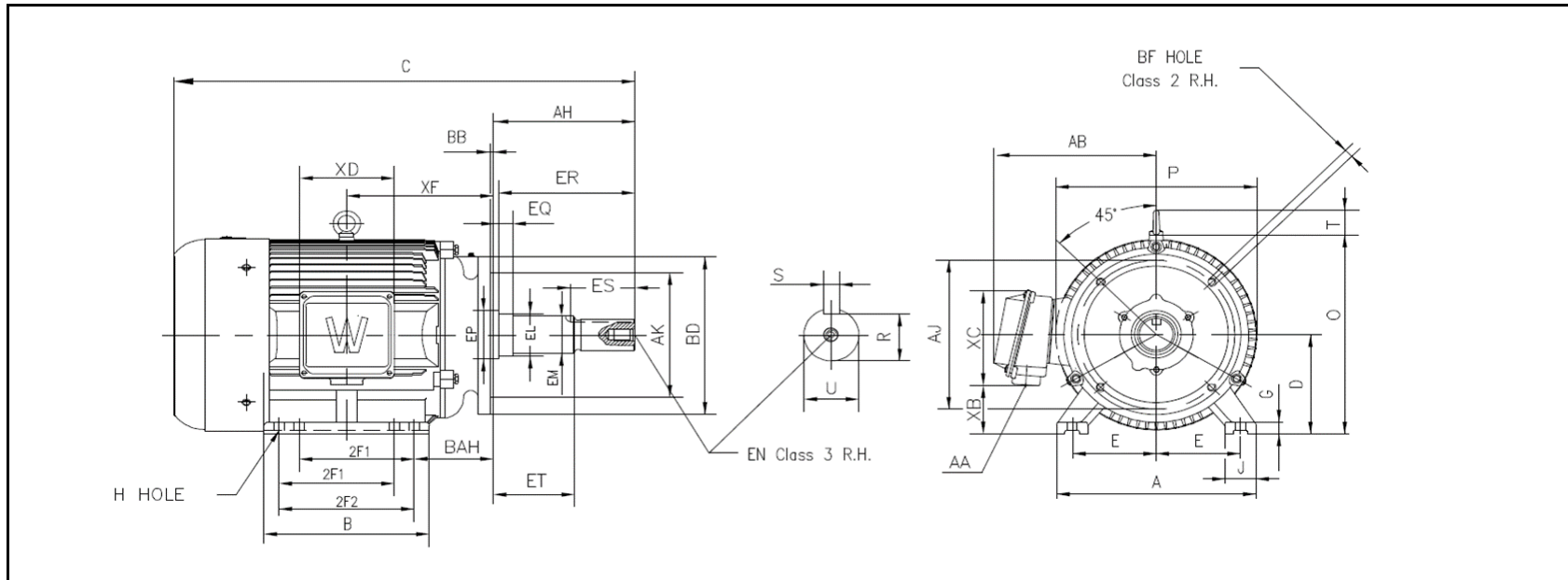
# MOTOR DRAWING

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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	0.41	3.37	9	6	17	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	5.63

# PERFORMANCE CURVES

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Premium Efficiency Motor:

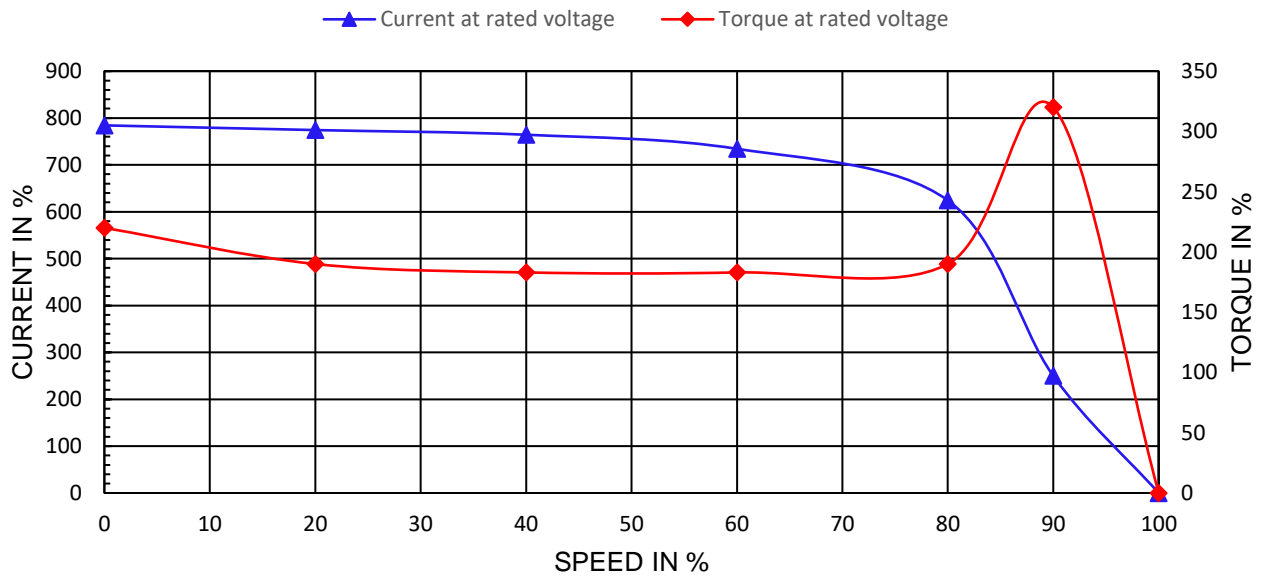
**PEWWE3-18-182JM**

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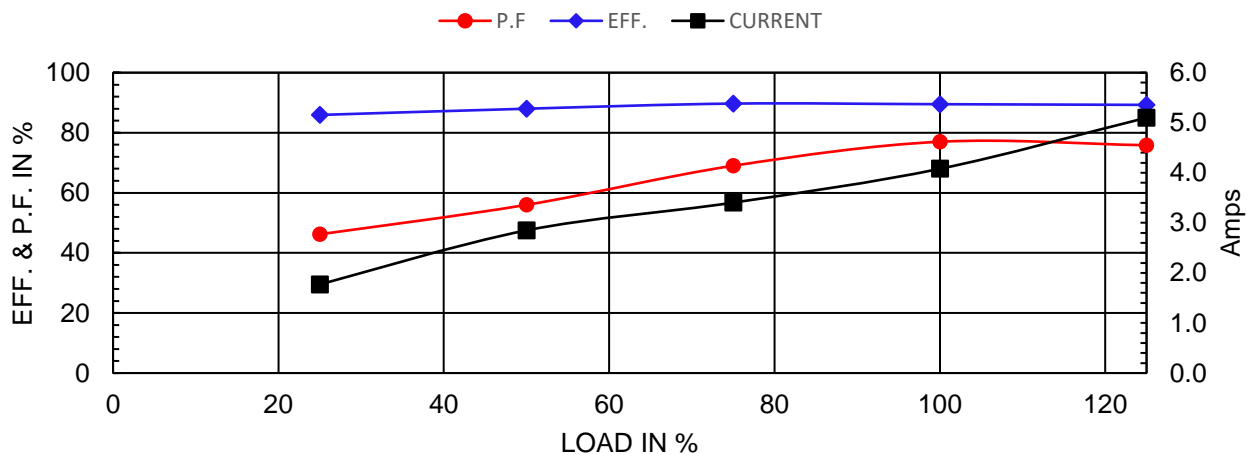
Customer:

Motor Type	PEWWE		FL Speed	1755	
Output Rating (HP)	3		LRT (%FLT)	220	460 volt FLA 4.08
Full Load Torque	9 lb.ft		BDT (%FLT)	320	230 volt FLA 8.15
Rotor Wk <sup>2</sup>	0.217 lb-ft <sup>2</sup>				

SPEED VS TORQUE & CURRENT CURVE



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



# NAMEPLATE / WIRING

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**WORLDWIDE**  
ELECTRIC CORPORATION

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## SAMPLE NAMEPLATE DATA

		<b>NEMA Premium</b>		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	High Voltage	
				DE Brng				4	5	6
Class I DIV. 2 Groups A B C D				Amb.40°C	T3C(160°C)	ODE Brng		7	8	9
Class I Zone 2 IIC				Amb.55°C	T3A(180°C)	Grease type:		1	2	3
50Hz		HP	V	A	rpm	S.F1.0				
<b>WorldWide Electric Corporation</b>										

Model	PEWWE3-18-182JM									
HP	3	S.F.	1.25	IP	IP55	Encl	TEFC			
Frame	182JM	P.F.	0.77	Code	K	Type				
Voltage	230/460 V	Hz	60 Hz	Ins Cl	F	Ambient	40°C			
Amps	8.15/4.08	RPM	1755	Design	B	DE Brng	6307ZZ C3			
Nom.Eff.	FL	89.5%	3/4	89.7%	ODE Brng		6206ZZ C3			
						Grease type:	--			
50Hz		3 HP	200/400 V	9.95/4.98 A	1450 rpm					