

# DATA SHEET

Premium Efficiency Motor: **LAM1.5-12-182T**

**60 Hz**

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



Document Generated: 8-Sep-2023  
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Customer:

MOTOR INFORMATION	
HP	1.5
RPM	1200
Phase	3
Frequency	60 Hz
Voltage	230/460
Frame Size	182/4T
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	6
Full Load Speed	1165
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	J
Duty Cycle	S1 / Continuous
Slip	2.92%
NEMA Design	B
Moment of Inertia	0.274 lb.ft.^2
Locked Rotor Time (Hot)	12 seconds
Sound Pressure Level	67 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	Rigid
Rotation	Bi-Directional
Area of Classification	Class 1 Division 2 Groups A,B,C,D T3B
Inverter Rating	10:1 CT / 20:1 VT
Standard	NEMA MG-1
Approvals	UL, CE, IEEE45, ABS

EFFICIENCY/POWER FACTOR		
LOAD	EFF	P. F.
100%	87.5 %	0.65
75%	87.3 %	0.57
50%	85.2 %	0.45

TORQUE		
FULL LOAD	LRT	BDT
6.61 lb.ft.	275 %	340 %

AMPERAGE INFORMATION		
	230V	460V
Full Load Amps	4.8A	2.4A
Locked Rotor Amps	29.6A	14.8A
No Load Current	3A	1.5A
Usable at 208V		5.3 A

BEARING INFORMATION	
DE Bearing	6306 ZZ
ODE Bearing	6305 ZZ
Grease Type	NSK SN7
DE Regreasing Interval	-- Hours
ODE Regreasing Interval	-- Hours
Grease Quantity	--

ADDITIONAL DATA	
F2 Suitable	Yes
Shaft Material	AISI 1045
Connection Diagram	9 Lead Wye
Approximate Weight	86 lbs.

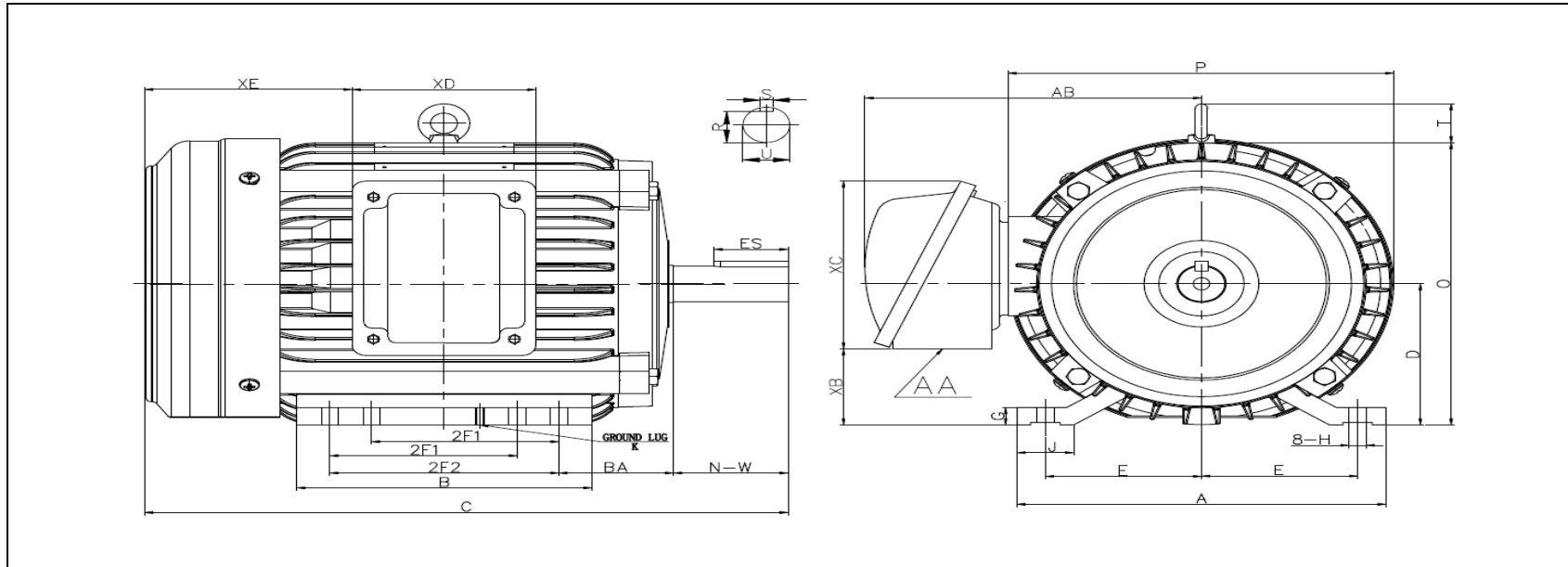
# MOTOR DRAWING

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## DIMENSION - INCHES

MOUNTING					A	B	C	D	G	J	P	O	T	AB
E	2F1	2F2	H	BA										
3.75	4.5	5.5	0.41	2.75	8.82	7	15.8	4.5	0.64	1.77	9.37	9.17	1.4	7.5

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

TERMINAL BOX				
AA	XB	XC	XD	XE
3/4 NPT	2.45	5.2	4.4	4.9

GROUND LUG
M5

# PERFORMANCE CURVES

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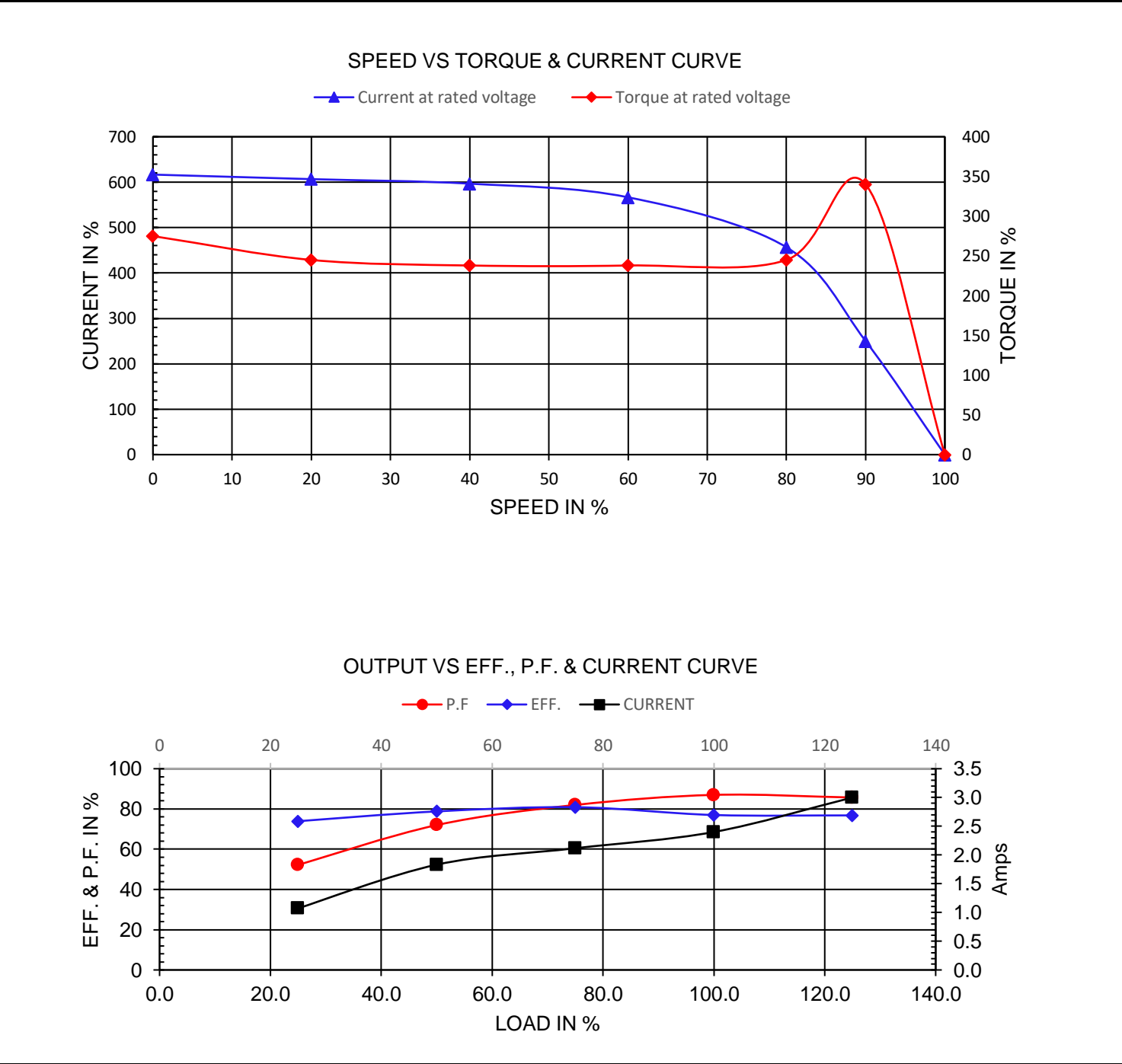
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Motor Type	AEH3		FL Speed	1165	
Output Rating (HP)	1.5		LRT (%FLT)	275	
Full Load Torque	6.61	lb.ft	460 volt FLA	2.4	
Rotor Wk^2	0.274	lb-ft^2	230 volt FLA	4.8	
			BDT (%FLT)	340	



# NAMEPLATE / WIRING

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## SAMPLE NAMEPLATE DATA

		<b>THREE PHASE SEVERE DUTY MOTOR I EEE45</b>					
Model :		Encl :	Type :		SN :		4 5 6
HP :	Poles :	FR :	Ins :	Duty: Cont	IP :	Max Amb 40°C	7 8 9 1 2 3 L1 L2 L3
Hz :	CODE :	Hz :	Design :				230 V
Volts :	P.F :	Volts :	DE BRG :				7 8 9 4 5 6
Amps :	Eff :	Amps :	ODE BRG :				1 2 3 L1 L2 L3
RPM :	S.F :	RPM :	WT :				460 V
		S.F :		Date :			
CC306B				LOUIS ALLIS			
		A WORLDWIDE ELECTRIC COMPANY				UL certified Class I, Division II, Groups A,B,C,D T3B	

<b>Model:</b>	LAM1.5-12-182T	<b>Encl:</b>	TEFC	<b>Type:</b>	AEH3
<b>HP:</b>	1.5	<b>Poles</b>	6	<b>FR:</b>	182/4T
<b>Hz:</b>	60	<b>CODE:</b>	J	<b>Ins:</b>	F
<b>Volts:</b>	230/460	<b>P.F:</b>	0.65	<b>HP:</b>	1.5
<b>Amps:</b>	4.8/2.4	<b>Eff:</b>	0.875	<b>Design:</b>	B
<b>RPM:</b>	1165	<b>S.F:</b>	1.25	<b>DE BRG:</b>	6306 ZZ
				<b>ODE BRG:</b>	6305 ZZ
				<b>WT:</b>	86 lbs.
			<b>S.F:</b>		