

DATA SHEET

Premium Efficiency Motor: **LAM3-36-182T**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Customer:

MOTOR INFORMATION	
HP	3
RPM	3600
Phase	3
Frequency	60 Hz
Voltage	230/460
Frame Size	182/4T
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	2
Full Load Speed	3520
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	K
Duty Cycle	S1 / Continuous
Slip	2.22%
NEMA Design	B
Moment of Inertia	0.149 lb.ft.^2
Locked Rotor Time (Hot)	12 seconds
Sound Pressure Level	88 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%	86.5 %	0.86
75%	85.9 %	0.81
50%	82.7 %	0.72

TORQUE		
FULL LOAD	LRT	BDT
4.33 lb.ft.	363 %	408 %

AMPERAGE INFORMATION		
	230V	460V
Full Load Amps	7.4A	3.7A
Locked Rotor Amps	67.6A	33.8A
No Load Current	3A	1.5A
Usable at 208V		8.2 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	88.85 lbs.

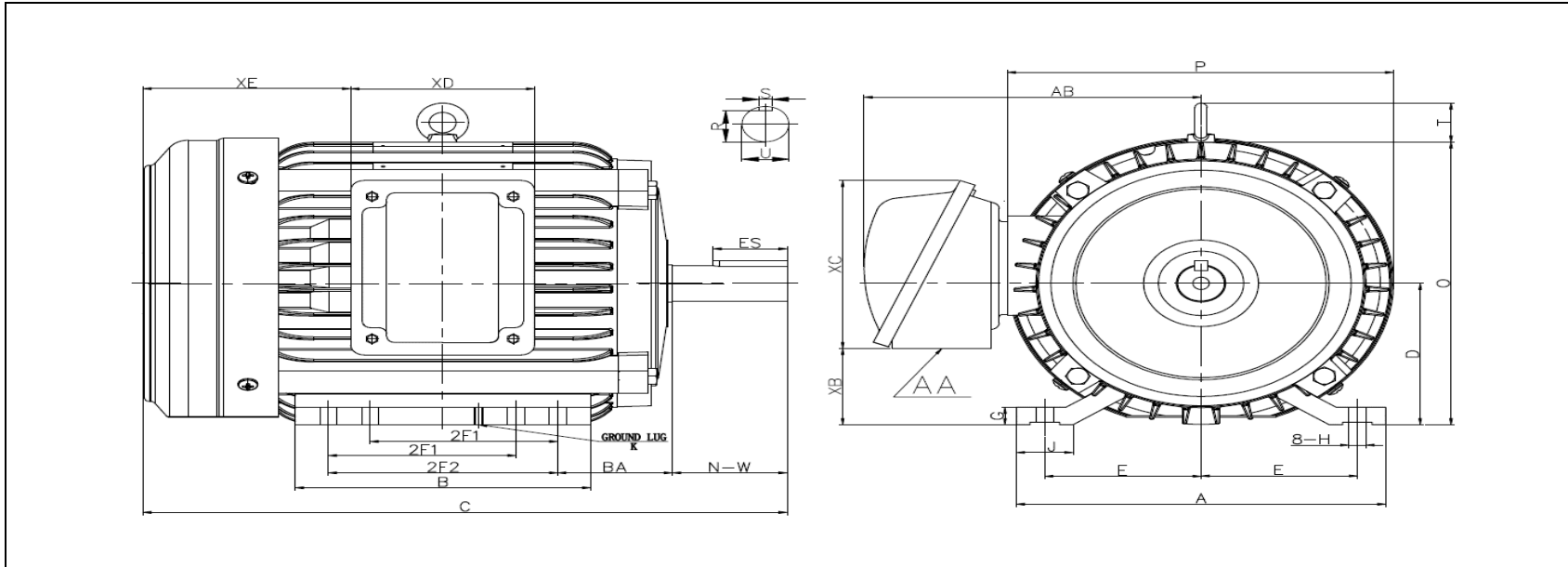
MOTOR DRAWING

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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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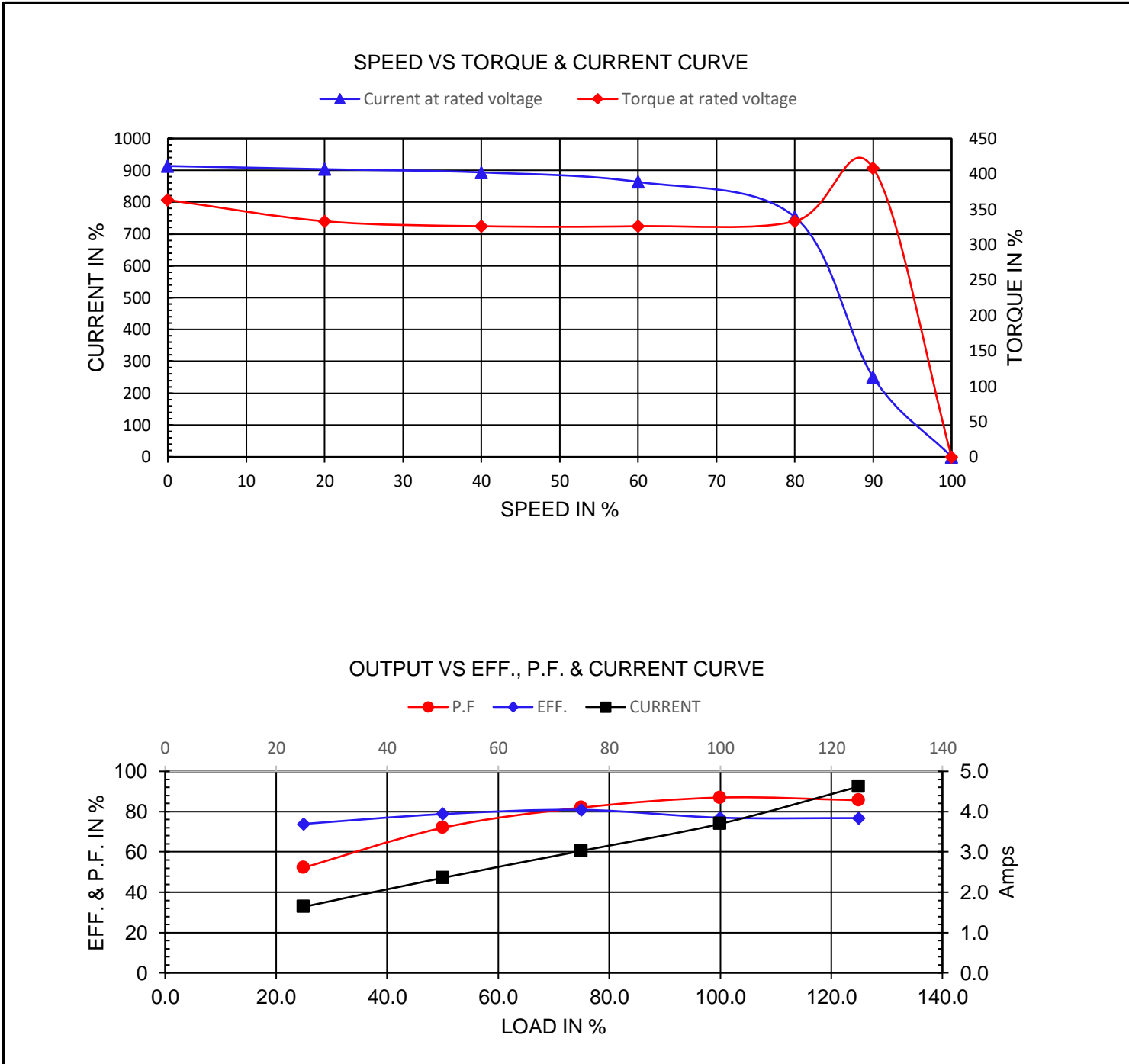
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Motor Type	AEH3		FL Speed	3520	
Output Rating (HP)	3		LRT (%FLT)	363	460 volt FLA 3.7
Full Load Torque	4.33	lb.ft	BDT (%FLT)	408	230 volt FLA 7.4
Rotor Wk ²	0.149	lb-ft ²			



NAMEPLATE / WIRING

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SAMPLE NAMEPLATE DATA

		THREE PHASE SEVERE DUTY MOTOR I EEE45					
Model :		Encl :	Type :	SN :			
HP :	Poles :	FR :	Ins :	Duty: Cont	IP :	Max Amb 40°C	
Hz :	CODE :		Hz :	Design :			
Volts :	P.F :		Volts :	DE BRG :		230 V	
Amps :	Eff :		Amps :	ODE BRG :		460 V	
RPM :	S.F :		RPM :	WT :		UL certified Class I, Division II, Groups A,B,C,D T3B	
CC306B				LOUIS ALLIS A WORLDWIDE ELECTRIC COMPANY			

Model:	LAM3-36-182T	Encl:	TEFC	Type:	AEH3
HP:	3	Poles	2	FR:	182/4T
Hz:	60	CODE:	K	Ins:	F
Volts:	230/460	P.F:	0.86	HP:	3
Amps:	7.4/3.7	Eff:	0.865	Design:	B
RPM:	3520	S.F:	1.25	DE BRG:	6306 ZZ
				ODE BRG:	6305 ZZ
				WT:	88.85 lbs.
				S.F:	1.00