

DATA SHEET

Premium Efficiency Motor: **LAM250-12-449T-IB**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Customer:

MOTOR INFORMATION

HP	250
RPM	1200
Phase	3
Frequency	60Hz
Voltage	460
Frame Size	447/9T
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.15
Poles	6
Full Load Speed	1190
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	G
Duty Cycle	S1 / Continuous
Slip	0.83%
NEMA Design	B
Moment of Inertia	141.5 lb.ft.^2
Locked Rotor Time (Hot)	12 seconds
Sound Pressure Level	100 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%	95.8 %	0.86
75%	96.4 %	0.84
50%	96.0 %	0.77

TORQUE

FULL LOAD	LRT	BDT
1097 lb.ft.	214 %	303 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	--A	279.1A
Locked Rotor Amps	--A	1969A
No Load Current	--A	88.1A
Usable at 208V		-- A

BEARING INFORMATION

DE Bearing	NU320 C3
ODE Bearing	6316 C3-INS
Grease Type	Mobil Polyrex EM
DE Regreasing Interval	2400 Hours
ODE Regreasing Interval	3600 Hours
Grease Quantity	51g/33g

ADDITIONAL DATA

F2 Suitable	Yes
Shaft Material	4140
Connection Diagram	6 Lead Delta
Approximate Weight	2646 lbs.

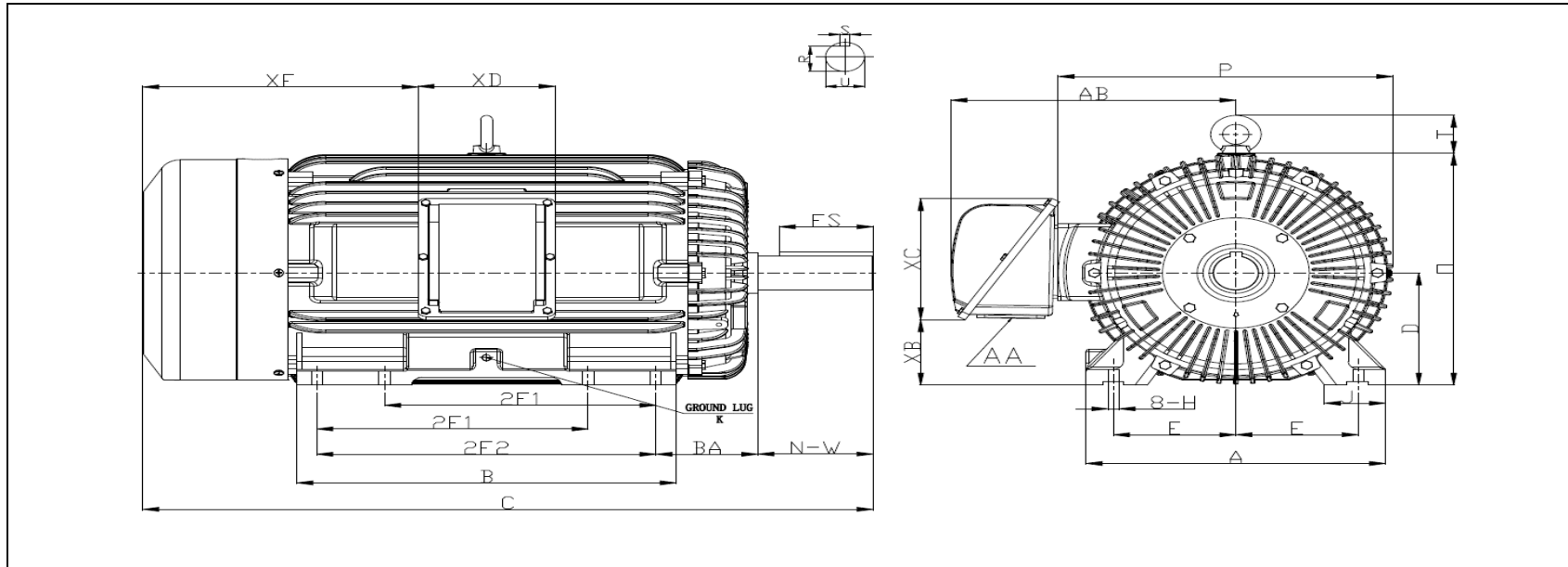
MOTOR DRAWING

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DIMENSION - INCHES

MOUNTING					A	B	C	D	G	J	P	O	T	AB
E	2F1	2F2	H	BA										
9	20	25	0.81	7.5	22	29	54.4	11	1.417	4.33	25.8	23.8	4.06	23.4

SHAFT & KEY				
S	ES	R	N-W	U
0.875	6.91	2.88	8.5	3.375

TERMINAL BOX				
AA	XB	XC	XD	XE
3 NPT	4.13	16.2	11.6	19.2

GROUND LUG
M12

PERFORMANCE CURVES

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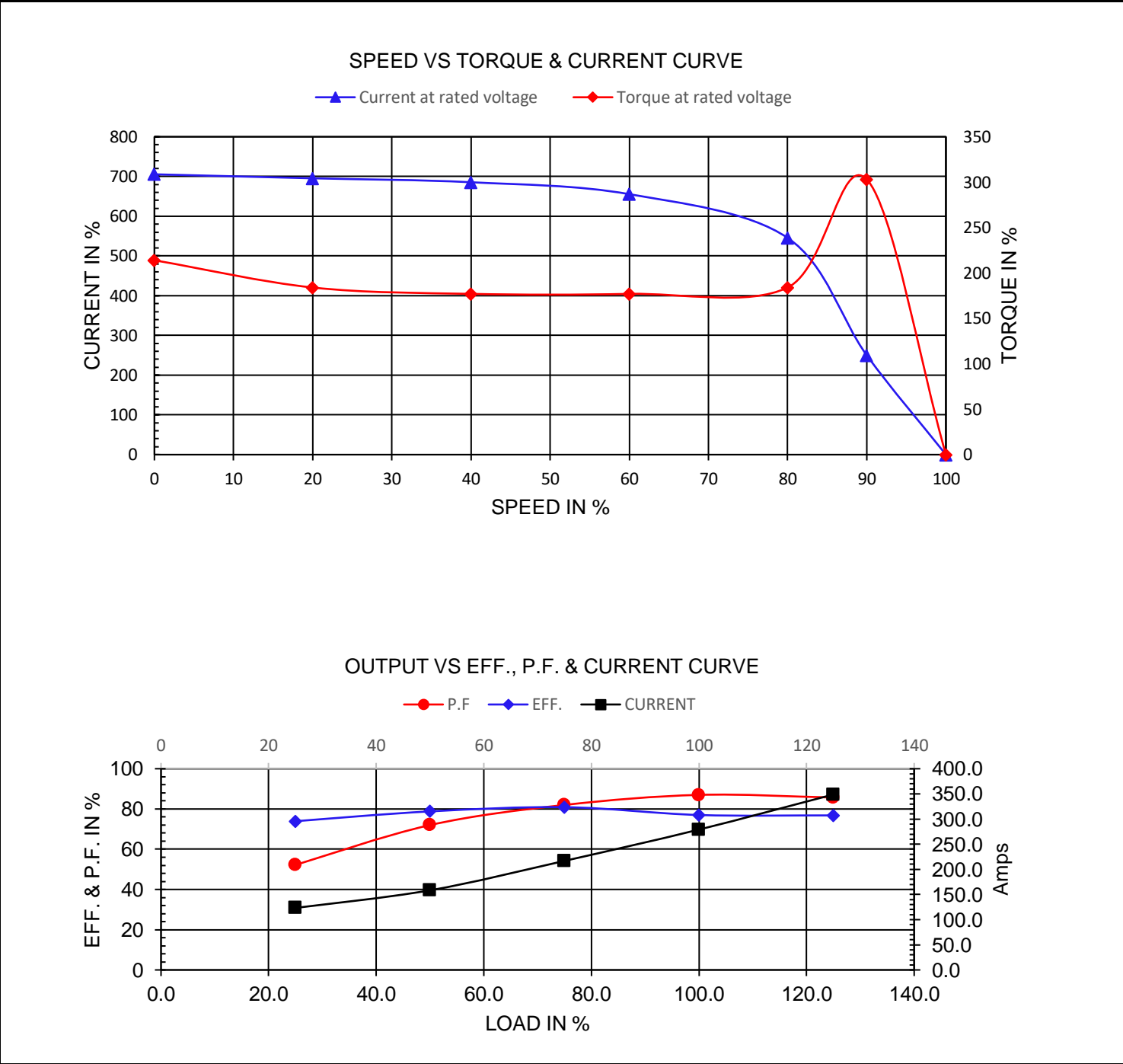
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Motor Type	AEH3		FL Speed	1190	
Output Rating (HP)	250		LRT (%FLT)	214	460 volt FLA 279.1
Full Load Torque	1097 lb.ft		BDT (%FLT)	303	230 volt FLA --
Rotor Wk ²	141.5 lb-ft ²				



NAMEPLATE / WIRING

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SAMPLE NAMEPLATE DATA

		THREE PHASE SEVERE DUTY MOTOR IEEE45								
Model :		Encl :		Type :		SN :				
HP :	Poles :	FR:	Ins:	Duty: Cont	IP :	Max Amb 40°C				
Hz :	CODE :		Hz :	HP :	Design :					
Volts :	P.F :		Volts :	DE BRG :						
Amps :	Eff :		Amps :	ODE BRG :						
RPM :	S.F :		RPM :	WT :						
			S.F :	Date :						
CC306B					LOUIS ALLIS A WORLDWIDE ELECTRIC COMPANY				UL certified Class I, Division II, Groups A,B,C,D T3B	

Model:	LAM250-12-449T-IB	Encl:	TEFC	Type:	AEH3
HP:	250	Poles	6	FR:	447/9T
Hz:	60	CODE:	G	Ins:	F
Volts:	460	P.F:	0.86	HP:	200
Amps:	279.1	Eff:	0.958	Design:	B
RPM:	1190	S.F:	1.15	DE BRG:	NU320 C3
				ODE BRG:	6316 C3-INS
				WT:	2646 lbs.
				S.F:	1.00