

DATA SHEET

Premium Efficiency Motor: **LAM5-12-215T**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Customer:

MOTOR INFORMATION	
HP	5
RPM	1200
Phase	3
Frequency	60 Hz
Voltage	230/460
Frame Size	213/5T
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	6
Full Load Speed	1170
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	J
Duty Cycle	S1 / Continuous
Slip	2.50%
NEMA Design	B
Moment of Inertia	1.031 lb.ft.^2
Locked Rotor Time (Hot)	12 seconds
Sound Pressure Level	71 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%	89.5 %	0.76
75%	90.9 %	0.70
50%	89.9 %	0.58

TORQUE		
FULL LOAD	LRT	BDT
22.2 lb.ft.	248 %	324 %

AMPERAGE INFORMATION		
	230V	460V
Full Load Amps	13.4A	6.7A
Locked Rotor Amps	91.6A	45.8A
No Load Current	6.8A	3.4A
Usable at 208V		14.8 A

BEARING INFORMATION	
DE Bearing	6308 ZZ
ODE Bearing	6306 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	191.8 lbs.

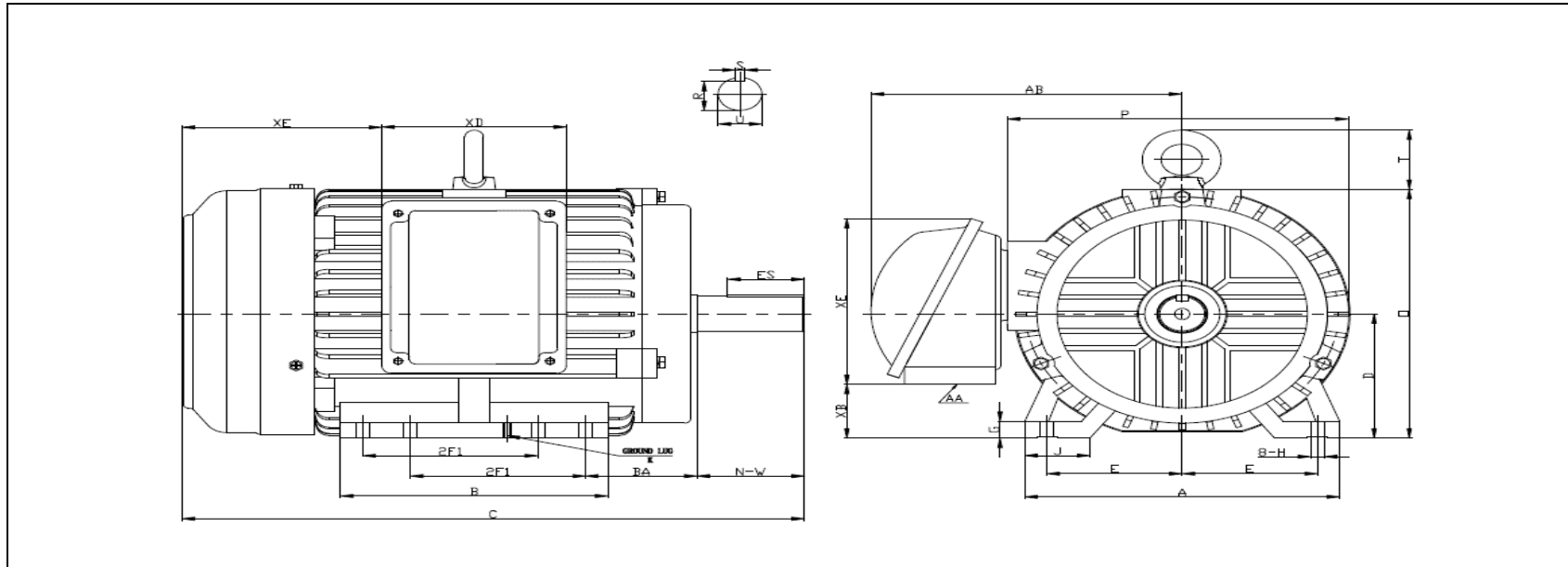
MOTOR DRAWING

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DIMENSION - INCHES

MOUNTING					A	B	C	D	G	J	P	O	T	AB
E	2F1	2F2	H	BA										
4.25	5.5	7	0.43	3.5	9.88	8.405	19.8	5.25	0.708	1.91	10.8	10.53	1.72	9.8

SHAFT & KEY				
S	ES	R	N-W	U
0.31	2.41	1.201	3.38	1.375

TERMINAL BOX				
AA	XB	XC	XD	XE
1 NPT	2.25	7.9	5.8	6.5

GROUND LUG
M5

PERFORMANCE CURVES

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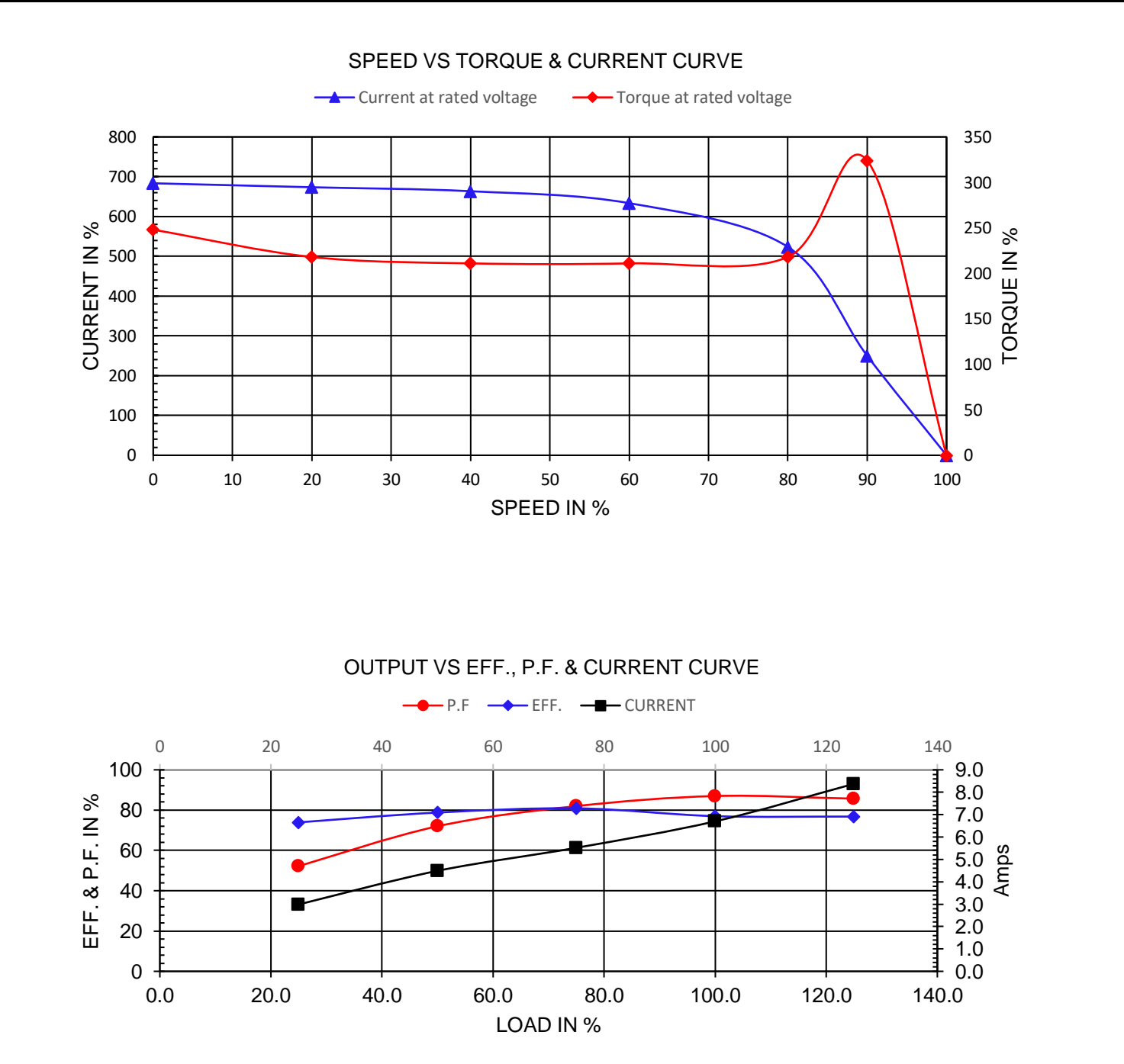
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Motor Type	AEH3		FL Speed	1170	
Output Rating (HP)	5		LRT (%FLT)	248	
Full Load Torque	22.2	lb.ft	460 volt FLA	6.7	
Rotor Wk ²	1.031	lb-ft ²	230 volt FLA	13.4	
			BDT (%FLT)	324	



NAMEPLATE / WIRING

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SAMPLE NAMEPLATE DATA

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

Model:	LAM5-12-215T	Encl:	TEFC	Type:	AEH3	
HP:	5	Poles	6	FR:	213/5T	IP: 55
Hz:	60	CODE:	J	Hz	50	HP: 5
Volts:	230/460	P.F:	0.76	Volts:	190/380	Design: B
Amps:	13.4/6.7	Eff:	0.895	Amps	16.0/8.0	DE BRG: 6308 ZZ
RPM:	1170	S.F:	1.25	RPM	970	ODE BRG: 6306 ZZ
				S.F:	1.00	WT: 191.8 lbs.