

DATA SHEET

Premium Efficiency Motor: **LAM15-36-254TCRD**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



Document Generated: 14-Sep-2023
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Customer:

MOTOR INFORMATION	
HP	15
RPM	3600
Phase	3
Frequency	60 Hz
Voltage	230/460
Frame Size	254/6TC
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	2
Full Load Speed	3500
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	G
Duty Cycle	S1 / Continuous
Slip	2.78%
NEMA Design	B
Moment of Inertia	1.024 lb.ft.^2
Locked Rotor Time (Hot)	12 seconds
Sound Pressure Level	94 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 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%	91.0 %	0.92
75%	90.7 %	0.91
50%	89.5 %	0.87

TORQUE		
FULL LOAD	LRT	BDT
21.9 lb.ft.	372 %	420 %

AMPERAGE INFORMATION		
	230V	460V
Full Load Amps	33.2A	16.6
Locked Rotor Amps	223.8A	111.9A
No Load Current	7.6A	3.8A
Usable at 208V	36.7 A	

BEARING INFORMATION	
DE Bearing	6309 C3
ODE Bearing	6307 C3
Grease Type	Mobil Polyrex EM
DE Regreasing Interval	2400 Hours
ODE Regreasing Interval	3600 Hours
Grease Quantity	13g/8g

ADDITIONAL DATA	
F2 Suitable	Yes
Shaft Material	AISI 1045
Connection Diagram	9 Lead Wye
Approximate Weight	301 lbs.

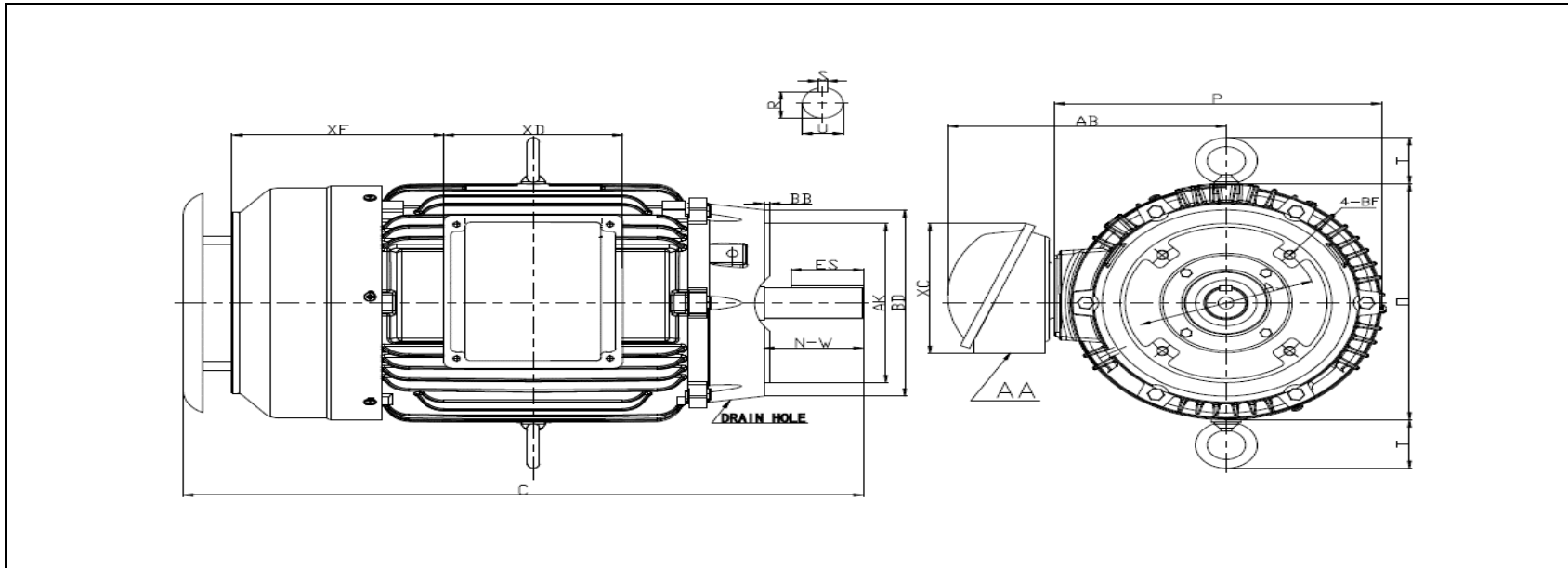
MOTOR DRAWING

Premium Efficiency Motor: **LAM15-36-254TRD**

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DIMENSION - INCHES

FLANGE MOUNTING					C	P	O	T	AB
AK	BD	AJ	BF	BB					
8.5	10	7.25	4*1/2-13	0.25	27.4	13.46	13.2	2.03	10.57

SHAFT & KEY				
S	ES	R	N-W	U
0.375	2.91	1.416	4	1.625

TERMINAL BOX			
AA	XC	XD	XE
1-1/2 NPT	7.2	5.8	8.1

PERFORMANCE CURVES

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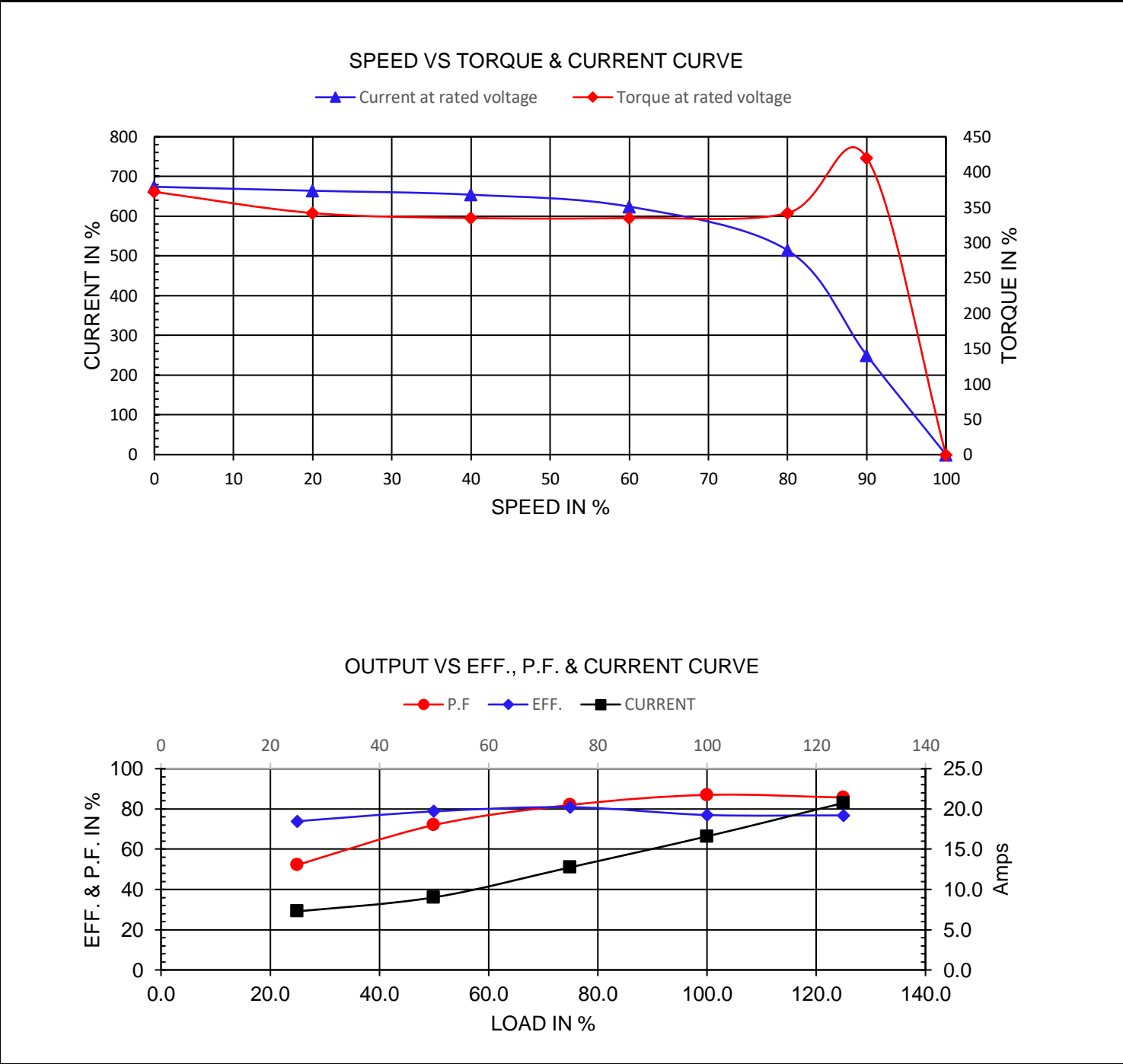
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Motor Type	LAM		FL Speed	3500	
Output Rating (HP)	15		LRT (%FLT)	372	
Full Load Torque	21.9	lb.ft	460 volt FLA	16.6	
Rotor Wk^2	1.024	lb-ft^2	230 volt FLA	33.2A	
			BDT (%FLT)	420	



NAMEPLATE / WIRING

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SAMPLE NAMEPLATE DATA

		THREE PHASE SEVERE DUTY MOTOR IEEE45																						
Model :		Encl :	Type :		SN :			<table style="width: 100%; text-align: center;"> <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">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																		
Hz :	CODE :		Hz :		Design :		<table style="width: 100%; text-align: center;"> <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">460 V</td> </tr> </table>			7	8	9	4	5	6	1	2	3	L1	L2	L3	460 V		
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460 V																								
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:	LAM15-36-254TCRD	Encl:	TEFC	Type:	AEH3	
HP:	15	Poles	2	FR:	254/6TC	IP: 55
Hz:	60	CODE:	G	Hz	50	HP: 15
Volts:	230/460	P.F:	0.92	Volts:	190/380	Design: B
Amps:	33.2/16.6	Eff:	0.91	Amps	40.8/20.4	DE BRG: 6309 C3
RPM:	3500	S.F:	1.25	RPM	2870	ODE BRG: 6307 C3
				S.F:	1.00	WT: 301 lbs.