

DATA SHEET

Premium Efficiency Motor: **LAM200-18-445/7TS**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Customer:

MOTOR INFORMATION

HP	200
RPM	1800
Phase	3
Frequency	60 Hz
Voltage	230/460
Frame Size	445/7TS
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	4
Full Load Speed	1790
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	G
Duty Cycle	S1 / Continuous
Slip	0.56%
NEMA Design	B
Moment of Inertia	76.948 lb.ft.^2
Locked Rotor Time (Hot)	12 seconds
Sound Pressure Level	103 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%	96.2 %	0.89
75%	96.1 %	0.87
50%	95.7 %	0.8

TORQUE

FULL LOAD	LRT	BDT
590 lb.ft.	202 %	343 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	442.2A	221.1A
Locked Rotor Amps	3150A	1575A
No Load Current	129A	64.5A
Usable at 208V		489 A

BEARING INFORMATION

DE Bearing	6320 C3
ODE Bearing	6316 C3
Grease Type	Mobil Polyrex EM
DE Regreasing Interval	2400 Hours
ODE Regreasing Interval	3600 Hours
Grease Quantity	51g/33g

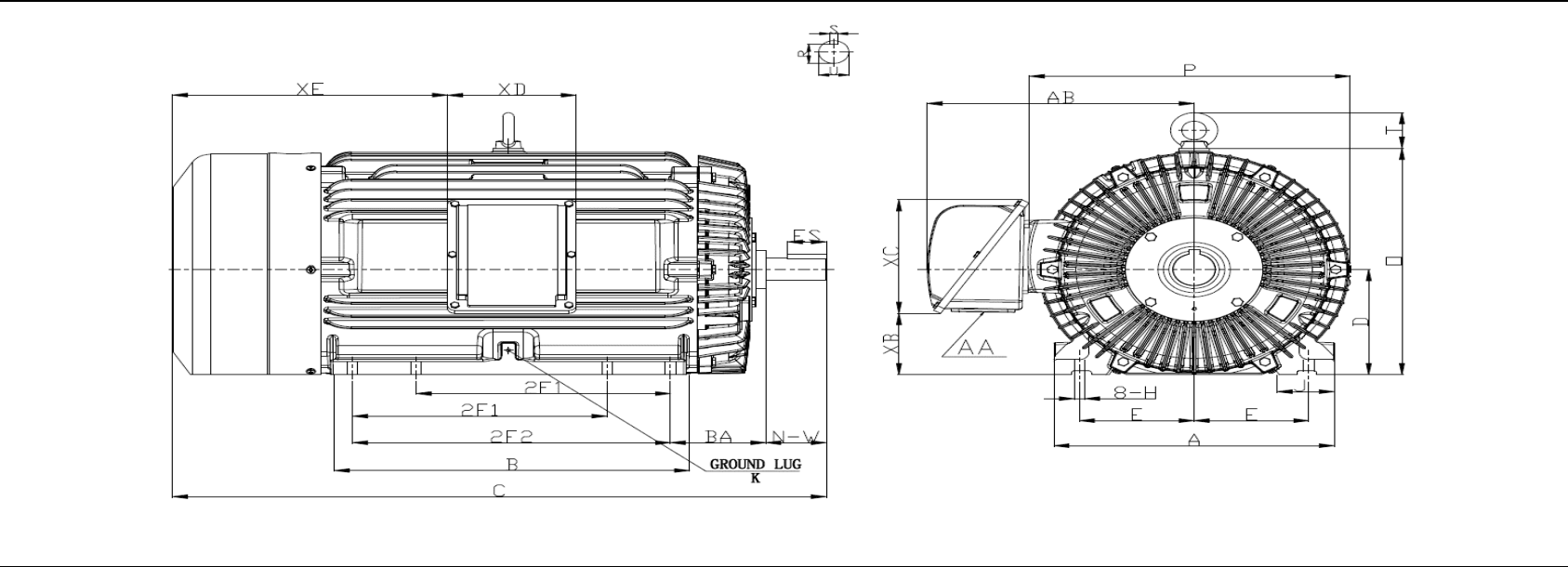
ADDITIONAL DATA

F2 Suitable	Yes
Shaft Material	AISI 1045
Connection Diagram	12 Lead Delta
Approximate Weight	2203 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	16.5	20	0.81	7.5	22	29	50.65	11	1.417	4.33	23.75	23.6	4.06	19.095

SHAFT & KEY				
S	ES	R	N-W	U
0.625	3.03	2.021	4.75	2.375

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

GROUND LUG
M10

PERFORMANCE CURVES

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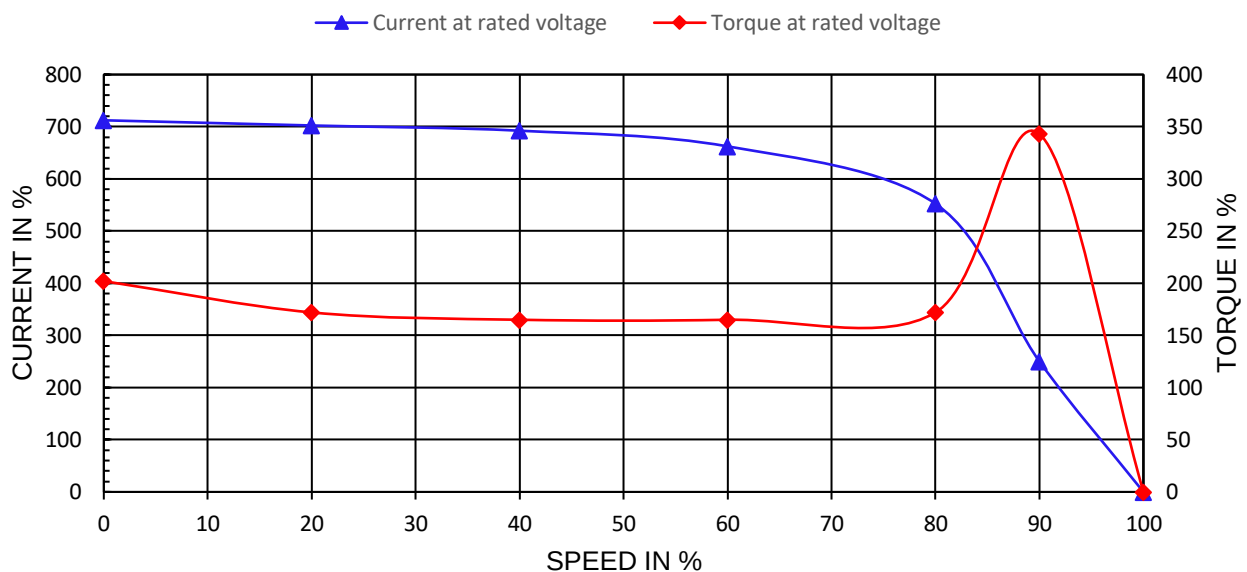
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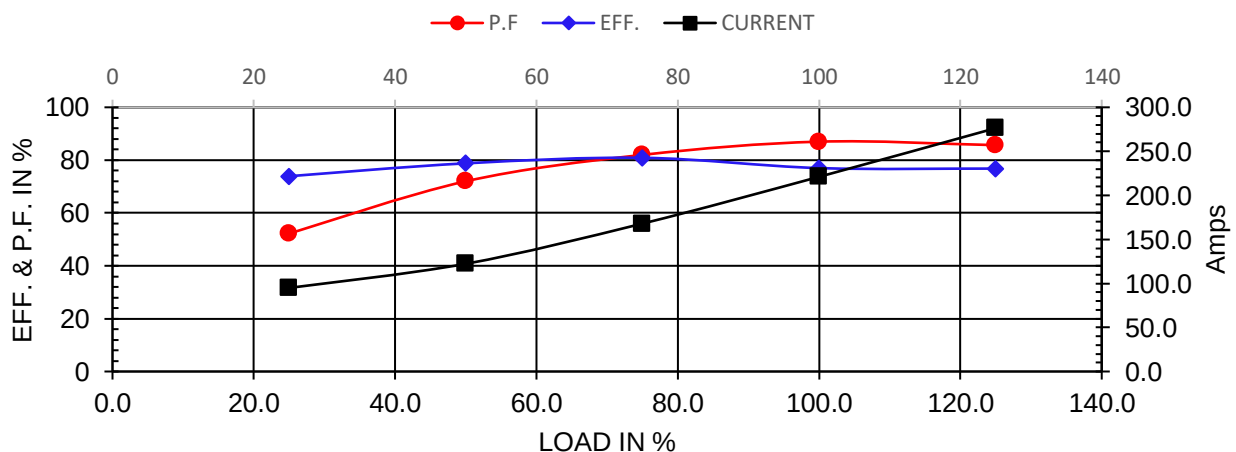
Customer:

Motor Type	AEH3		FL Speed	1790	
Output Rating (HP)	200		LRT (%FLT)	202	460 volt FLA 221.1
Full Load Torque	590	lb.ft	BDT (%FLT)	343	230 volt FLA 442.2
Rotor Wk^2	76.948	lb-ft^2			

SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F. & CURRENT CURVE



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:	LAM200-18-445/7TS	Encl:	TEFC	Type:	AEH3	
HP:	200	Poles	4	FR:	445/7TS	Ins: F
Hz:	60	CODE:	G	Hz	50	HP: 200
Volts:	230/460	P.F:	0.89	Volts:	190/380	Design: B
Amps:	442.2/221.1	Eff:	0.962	Amps	408.0/204.0	DE BRG: 6320 C3
RPM:	1790	S.F:	1.25	RPM	1485	ODE BRG: 6316 C3
				S.F:	1.00	WT: 2203 lbs.