# **PRODUCT INFORMATION PACKET**

Model No: LM80059 Catalog No: LM80059 7.50 HP Fire Pump Motor, 3 phase, 3600 RPM, 230/460 V, 213T Frame, TEFC Fire Pump Motors



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Product Information Packet: Model No: LM80059, Catalog No:LM80059 7.50 HP Fire Pump Motor, 3 phase, 3600 RPM, 230/460 V, 213T Frame, TEFC



# Nameplate Specifications

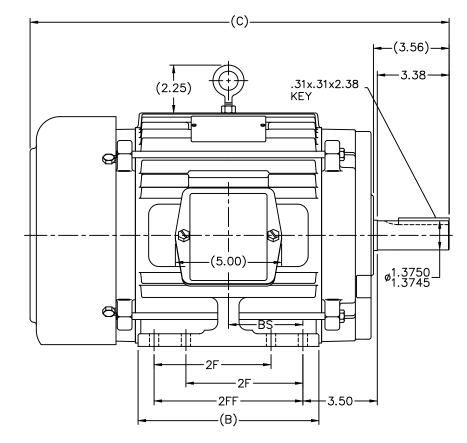
Output HP	7.50 Hp	Output KW	5.6 kW
Frequency	60 Hz	Voltage	230/460 V
Current	19.0/9.5 A	Speed	3530 rpm
Service Factor	1.15	Phase	3
Efficiency	88.5 %	Power Factor	86
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	н
Frame	213T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	307	Opp Drive End Bearing Size	206
UL	No	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

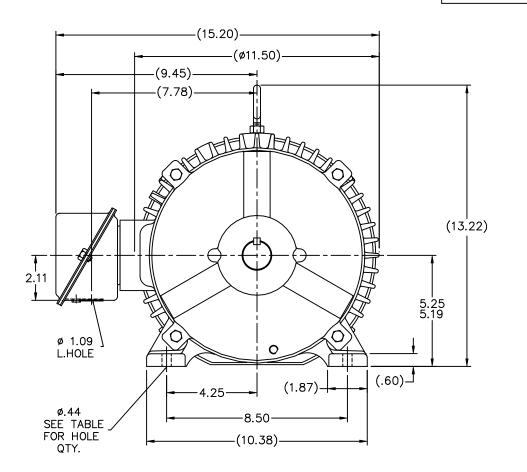
## **Technical Specifications**

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	1.15 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	т	Overall Length	18.20 in
Frame Length	7.25 in	Shaft Diameter	1.375 in
Shaft Extension	3.38 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	A-EE7308-LN	Outline Drawing	B-SS84278LN-725

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SS84278LN





#### NOTES:

- CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
  CONDUIT BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.
  NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR

DASH	FRAME	В	С	2F	2FF	BS	FOOT HOLE QTY.	MOUNTING
725	213T	7.00	18.20	-	5.50	2.75	4	F1 OR F2
875	215T	8.50	19.70	-	7.00	3.50	4	F1 OR F2
875	213/5T	8.50	19.70	5.50	7.00	3.50	8	F1 OR F2
1000	213T	9.75	20.95	5.50	8.25	4.12	8	F1 OR F2
1000	215T	9.75	20.95	7.00	8.25	4.12	8	F1 OR F2

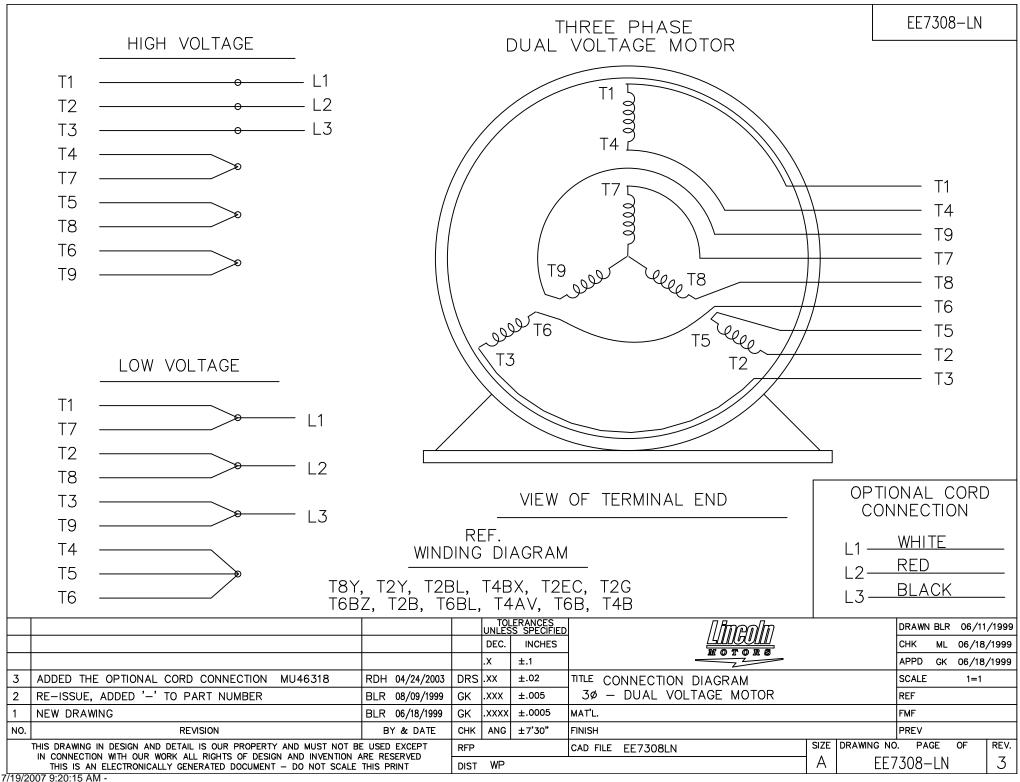
				UNLES	ERANCES S SPECIFIED	(โทคาโท		DRAWN TRB 09-20-1999			
				DEC.	INCHES	ITTLE OUTLINE 210T FR TEFC - STEEL C' BOX				ML 09-2	1-1999
				.x	±.1					TB 09-2	1–1999
				.xx	±.03					11=:	32
				.xxx	±.005						
1	NEW DRAWING	TRB 09-20-1999		.XXXX ±.0005 MATL.					FMF		
NO	REVISION	BY & DATE	СНК	ANG	±7'30"	FINISH		PREV			
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT						CAD FILE ss84278in SIZE DRAWING					
IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT							В	SS8	4278	3LN	1

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DATA VOLTS: 460

## **CERTIFICATION DATA SHEET**

OUTLINE: WINDING:	. 6	I:A-EE7308-LN CAT #: LM80059 B-SS84278LN-725 K2132100 NONE 1													
						MOTOR	PERFOR		τΔΠ						
НР	кw	S	YNC RPM					_			TYPE KVA COI		DESIGI		
7.5	5.6		3600	3530			213T		TEFC		TFN H		в		
				•						•					
PH	HZ		VOLTS	AMF						INSL	S.F.	AMB	ELEV.		
3	60		230/460	19/9	.5	ACROSS	S THE LINE		CONT	F	1.15	40	3300		
	.L. EFF	88.5		3/4 LD EFF	89.5		1/2 LD EFF	88.5	GTD EFF		ELECT. TY				
	F.L. PF	86.0		3/4 LD PF	82.0		1/2 LD PF	73.0	86.5		SQ CAGE IND	RUN			
F.L. TOP	RQUE		LR AMPS @	460 V		L.R. TORQ	UE		B.D. TORQ	JE	F.L. RISE (	°C)			
11.2	LB-FT		59.5		21.5	LB-FT	192%	35.0	LB-FT	313%	38				
PRESSU	RE @ 3	SOUND	POWER	ROTOR	WK <sup>2</sup>	MAX. L	OAD WK <sup>2</sup>	SAFE S	TALL TIME	STAR	TS/HOUR	мот	OR WGT		
72	dBA	81	dBA		LB-FT <sup>2</sup>	12	LB-FT <sup>2</sup>	15	SEC.		2		LB.		
DE BRA TYP		ODE B	RACKET TYPE	MOUNT TYPE	MO	TOR TATION	SEVERE DUTY	RMATION *** HAZARDOUS LOCATION		DRIP COVER	SCREENS			PAINT	
STANDARD			TANDARD	RIGID		ONTAL	NO	NONE		NO	NONE	WATTSAVER			
BEARI	NGS														
DE	ODE		GREASE	SHAFT	TYPE	SPEC	CIAL DE	SPEC	CIAL ODE	SHAFT	MATERIAL	FRAME MATERIA			
BALL 307	BALL 206	PO	LYREX EM	т		N	ONE	Ν	IONE	1144 STRES	SPROOF (C-223)	) CAST IRON			
THERMO	STATS	STATS PROTECTORS WDG RTD'S BRG RTD'S THERMISTORS CON				NTROL	SPACE HEATERS								
NON	IE		NOT	NON	IE	N	ONE	Ν	IONE	F	ALSE		NA		
R1 (ohm	ns/ph)	R2	(ohms/ph)	X1 (ohm	ns/ph)	X2 (o	hms/ph)	Xm (e	ohms/ph)	VIBRAT	ION (in/sec)	F	LOAT		
0.80	)1		0.552	2.70	)3	2	.132	7	79.38	C	0.150	(	ODE		
* N O T										ER TORQUE: EED RANGE:					
Е									ENCODER:	NONE					
S *									NONE NONE			NONE	PPR		
									BRAKE:	NONE DNE	NONE				
	DATE:	8	8/31/2018						FT-LB: VOLTAGE:		NA		н		
									NONE						

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