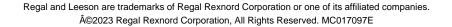
PRODUCT INFORMATION PACKET



Model No: LM80170 Catalog No: LM80170

Fire Pump Motor, 300 & 250 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 1800 & 1500 RPM, 447T Frame, DP









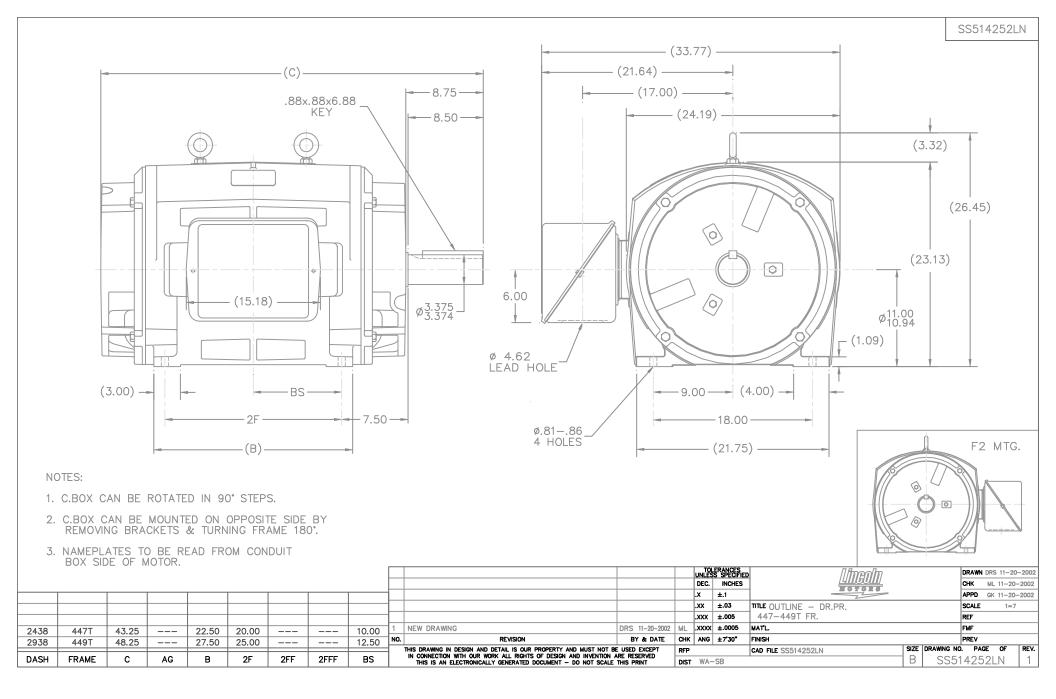
Nameplate Specifications

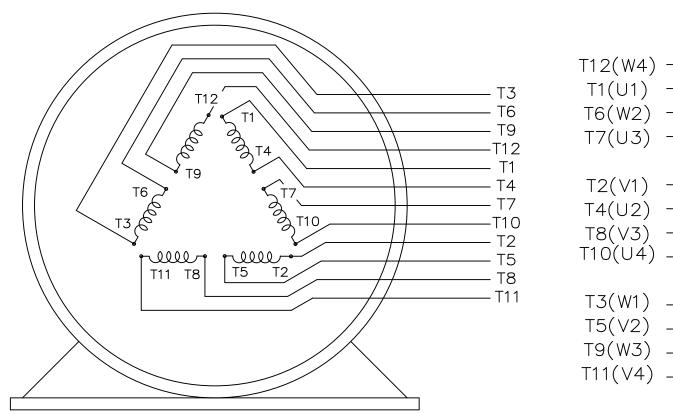
Phase	3	Output HP	300 & 250 Hp	
Output KW	224.0 & 187.0 kW	Voltage	460 & 380 V	
Speed	1780 & 1482 rpm	Service Factor	1.15 & 1.15	
Frame	447T	Enclosure	Drip Proof	
Thermal Protection	No Protection	Efficiency	95.4 & 95 %	
Ambient Temperature	40 °C	Frequency	60 & 50 Hz	
Current	345 & 345 A	Power Factor	85.5	
Duty	Continuous	Insulation Class	F	
Design Code	В	KVA Code	F	
Drive End Bearing Size	6318	Opp Drive End Bearing Size	6314	
UL	No	CSA	Υ	
CE	Υ	IP Code	12	
Number of Speeds	1			

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Part Wdg Start & Wye Start Delta Run
Poles	4	Rotation	Reversible
Resistance Main	.0161 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	43.25 in
Frame Length	24.38 in	Shaft Diameter	3.375 in
Shaft Extension	8.5 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	B-SS514252LN-2438	Connection Drawing	A-EE7300BH-LN

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T12(W4) T1(U1) T6(W2) T7(U3)		LINE	1
T2(V1) T4(U2) T8(V3) T10(U4)		LINE	2
T3(W1) T5(V2) T9(W3) T11(V4)		LINE	3

VIEW OF TERMINAL END

					TOL UNLES	ERANCES S SPECIFIED		//haea/ha			DRAWN KL	. 04–23	5-2002
					DEC.	INCHES		MOTORS			CHK DJ	K 04-24	4-2002
					.x	±.1					APPD EAB 04-24-200		4-2002
					.xx	±.01	TITLE	CONNECTION DIAGRAM - E	XTEF	RNAL	SCALE	1=1	1
2	ADDED IEC TERMINAL MARKINGS CN 41429	JJB 0	5/24/20	0171L	.xxx	±.005		12 LEAD — SINGLE VOL	TAG	Ξ	REF		
1	NEW DRAWING MU41562	KL 0	4-12-02		.xxxx	±.0005	MAT'L.				FMF		
NO.	REVISION	BY 8	& DATE	СНК	ANG	±1/2°	FINISH				PREV		
	THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT B			RFP			CAD FILE	ee7300bh_In	SIZE	DRAWING NO			REV.
IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT — DO NOT SCALE THIS PRINT					WA-	·SB			Α	EE730)0BH-	-LN	2
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2100 WASHINGTON ST. GRAFTON, WI PH. 262-277-8810

CERTIFICATION DATA SHEET

CONN. DIAGRAM: A-EE7300BH-LN
OUTLINE: B-SS514252LN-2438
WINDING #: T447421 1

CATALOG: LM80170

MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

НР	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
300&250	224&187	1800	1780&1482	447T	DP	F	В

	PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
Ī	3	60/50	460&380	345&345	PWS & YDRUN	CONTINUOUS	F1	1.15/1.15	40

	FULL LOAD EFF:	95.4&95	3/4 LOAD EFF:	95.8	1/2 LOAD EFF:	95.4	GTD. EFF	ELEC. TYPE
Γ	FULL LOAD PF:	85.5&86	3/4 LOAD PF:	84	1/2 LOAD PF:	78	94.5	SQ CAGE IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
885 LB-FT	2000	1250 LB-FT 140 %	2000 LB-FT 226 %	50

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
82 dBA	92 dBA	55 LB-FT^2	1000 LB-FT^2	15 SEC.	1	2000 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	RED (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME	
DE	ODE	GREASE	SHAFITYPE	SPECIAL DE SPECIAL ODE		MATERIAL	MATERIAL	
BALL	BALL	DOLVDEY EM	T. NONE	NONE	NONE	1045 HOT DOLLED (C 204)	CACT IDON	
6318	6314	POLYREX EM	I	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON	

	CONTROL	SPACE HEATERS				
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	THERMISTORS	CONTROL	SPACE REATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

12 LEADS FIRE PUMP MOTOR

FIRE PUMP MOTO

ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE

BRAKE: NONE NONE
NONE P/N NONE
NONE NONE

FT-LB NONE V NONE Hz

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INVERTER TORQUE: NONE

INV. HP SPEED RANGE: NONE

