

PRODUCT INFORMATION PACKET



Model No: LM80154

Catalog No: LM80154

Fire Pump Motor, 200 & 150 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 3600 & 3000 RPM, 444TS Frame, DP



Regal and Leeson are trademarks of Regal Rexnord Corporation or one of its affiliated companies.

©2023 Regal Rexnord Corporation, All Rights Reserved. MC017097E



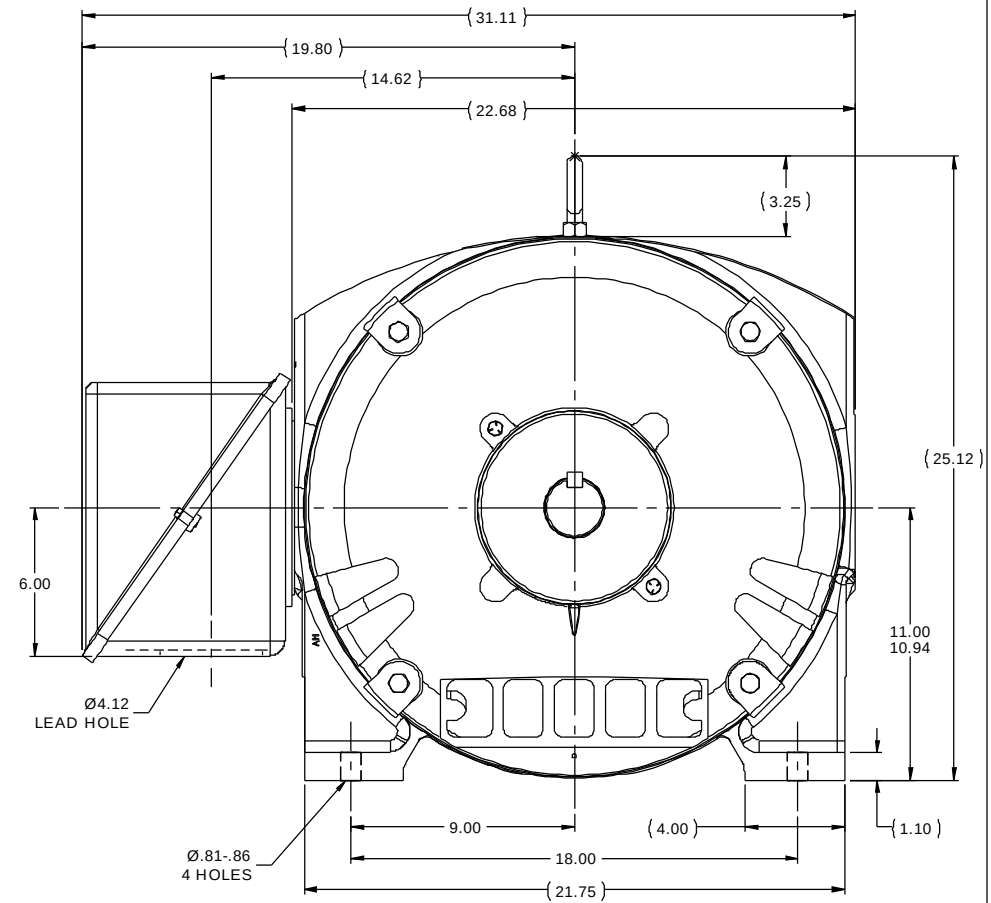
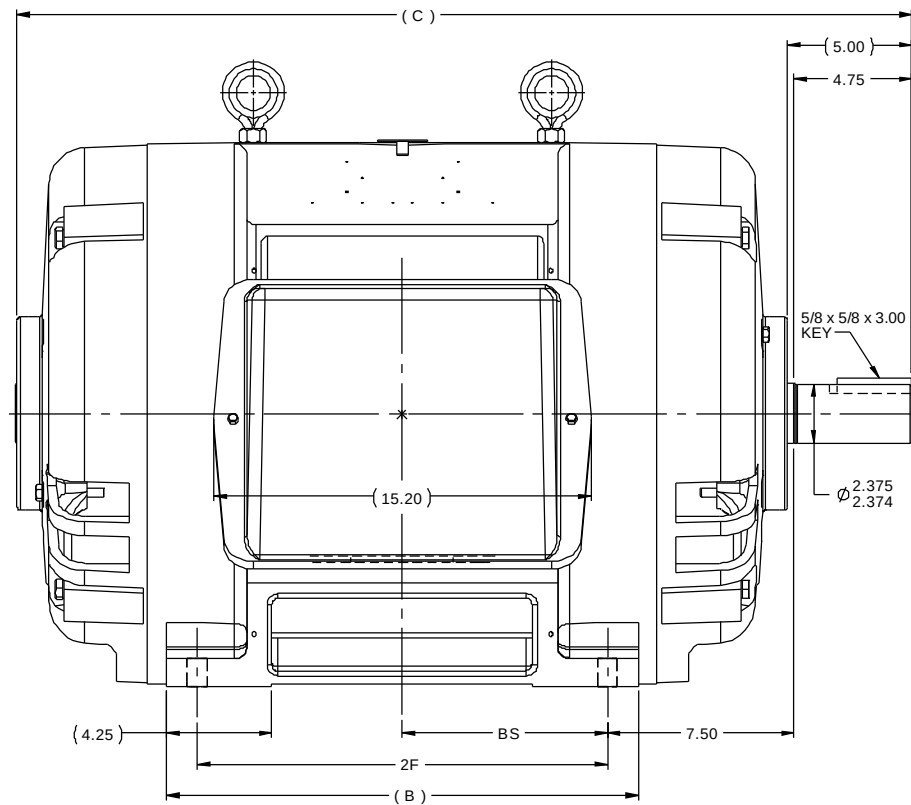


Nameplate Specifications

Phase	3	Output HP	200 & 150 Hp
Output KW	149.0 & 112.0 kW	Voltage	460 & 380 V
Speed	3565 & 2970 rpm	Service Factor	1.15 & 1.15
Frame	444TS	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	94.5 & 94.1 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	225 & 205 A	Power Factor	88.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	F
Drive End Bearing Size	6313	Opp Drive End Bearing Size	6313
UL	No	CSA	Y
CE	Y	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	2	Rotation	Reversible
Resistance Main	.026 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	TS	Overall Length	34.00 in
Frame Length	18.50 in	Shaft Diameter	2.375 in
Shaft Extension	4.75 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	A-EE7300BH-LN	Outline Drawing	B-SS509642LN-1850



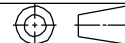
NOTES:

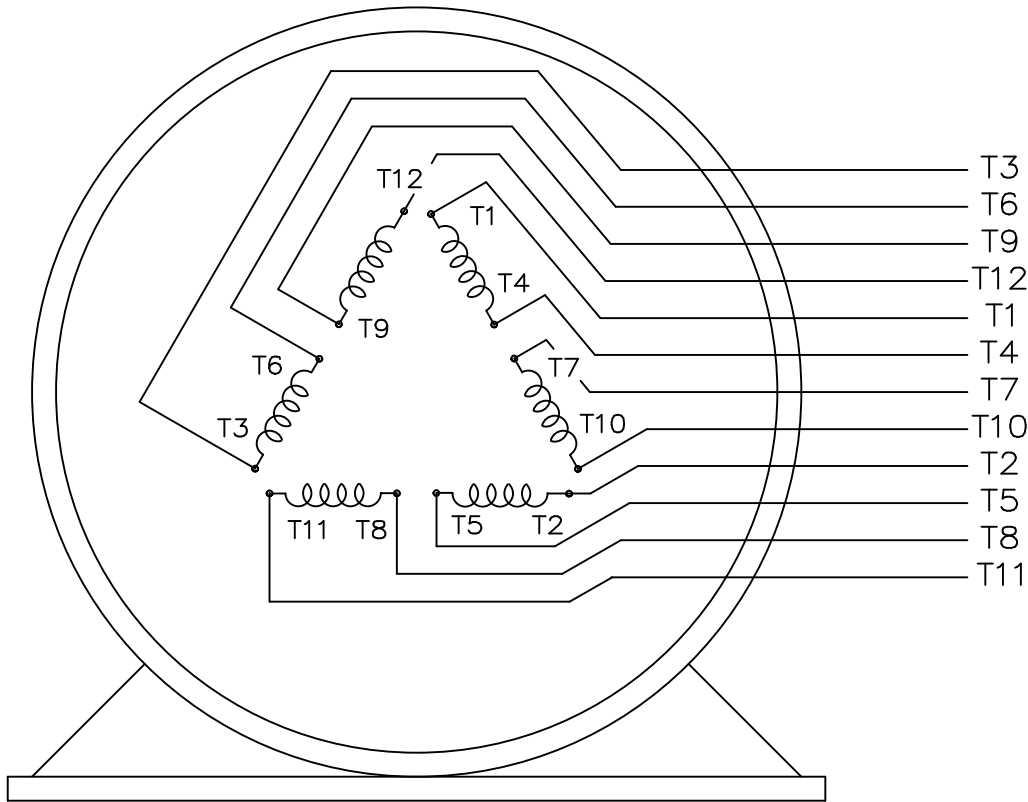
1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
2. CONDUIT BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.
3. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

DASH	FRAME	B	C	2F	BS
1850	444TS	17.00	34.00	14.50	7.25
2050	445TS	19.00	36.00	16.50	8.25

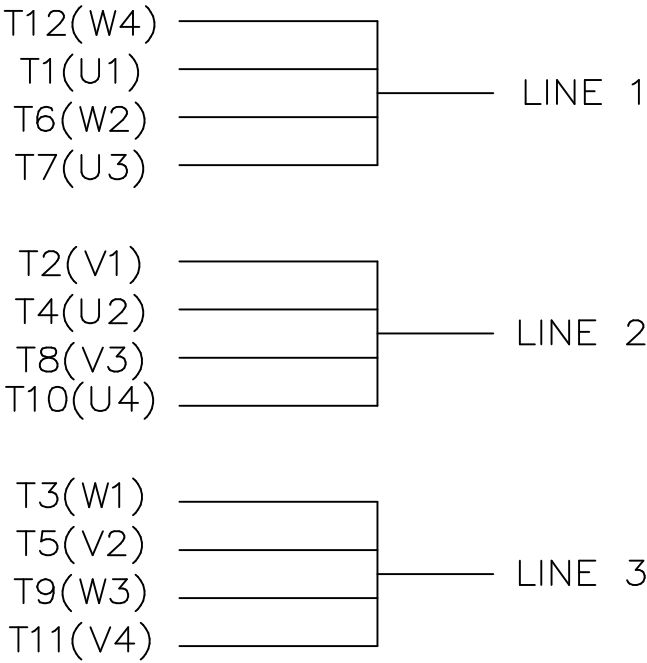
		TOLERANCES UNLESS SPECIFIED				Lincoln MOTORS		DRAWN KL 07-31-2007	
		DEC INCHES						CHK GFH 07-31-2003	
		X ±.1						APPR JES 07-31-2003	
		XX ±.03		TITLE OUTLINE				SCALE 1:5	
		XXX ±.005		444/445TS FR. - DR. PR. STD.				REF	
		XXXX ±.0005		MAT'L				FMF MU47677	
		±1/2°		FINISH				PAGE OF	
		RFP 07-31-2003		PREV				SIZE B	
		NETWORK FILE NAME SS509642LN						DRAWING NO SS509642LN	
								REV 2	

THIRD ANGLE
PROJECTION





VIEW OF TERMINAL END



				TOLERANCES UNLESS SPECIFIED			DRAWN KL 04-23-2002		
				DEC.	INCHES		CHK	DJK	04-24-2002
				.X	±.1		APPD	EAB	04-24-2002
				.XX	±.01		SCALE 1=1		
2	ADDED IEC TERMINAL MARKINGS CN 41429	JJB 05/24/2000	ML	.XXX	±.005	TITLE CONNECTION DIAGRAM – EXTERNAL 12 LEAD – SINGLE VOLTAGE			REF
1	NEW DRAWING MU41562	KL 04-12-02		.XXXX	±.0005	MAT'L.			FMF
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH			PREV
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT – DO NOT SCALE THIS PRINT			RFP		CAD FILE ee7300bh_ln		SIZE	DRAWING NO. PAGE OF	REV.
			DIST WA-SB				A	EE7300BH-LN	2

Data Sheet

Date: 1/30/2018

LM80154



Data @ 460 V

Motor Load Data

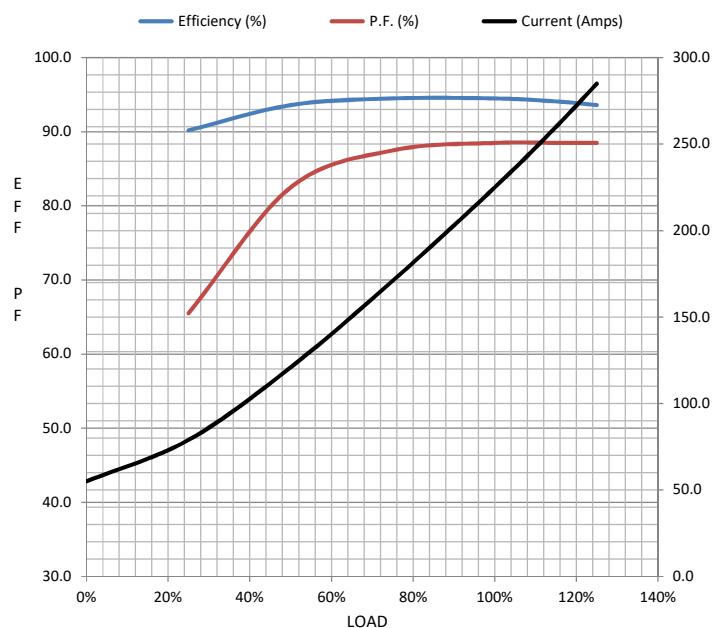
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	55.0	79.0	121	171	225	260	285	1,375	
Torque (ft-lb)	0.00	73.0	146	220	295	340	370	375	
RPM	3600	3595	3585	3575	3565	3,555	3550	0	
Efficiency (%)		90.2	93.6	94.5	94.5	94.1	93.6		
P.F. (%)	9.5	65.5	82.5	87.5	88.5	88.5	88.5	28.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3450	3565	3600
Current (Amps)	1,375	1,050	775	225	55.0
Torque (ft-lb)	375	375	700	295	0.00

Information Block

HP	200.0			
Sync. RPM	3600			
Frame	444			
Enclosure	DP			
Construction	TDS			
Voltage	460#380 V			
Frequency	60 Hz			
Design	B			
LR Code letter	F			
Service Factor	1.15			
Temp Rise @ FL	40 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk²	26.0 Lb-Ft²			
Ref Wdg	T444234 NONE			
Sound Pressure @ 1M	84 dBA			
VFD Rating	NONE			
Outline Dwg	B-SS509642LN-1850			
Conn. Diag	A-EE7300BH-LN			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0140	0.0120	0.1350	0.1160	4.9230



Speed - Torque Curve

