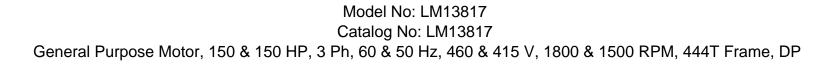
# **PRODUCT INFORMATION PACKET**





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Product Information Packet: Model No: LM13817, Catalog No:LM13817 General Purpose Motor, 150 & 150 HP, 3 Ph, 60 & 50 Hz, 460 & 415 V, 1800 & 1500 RPM, 444T Frame, DP

## Nameplate Specifications

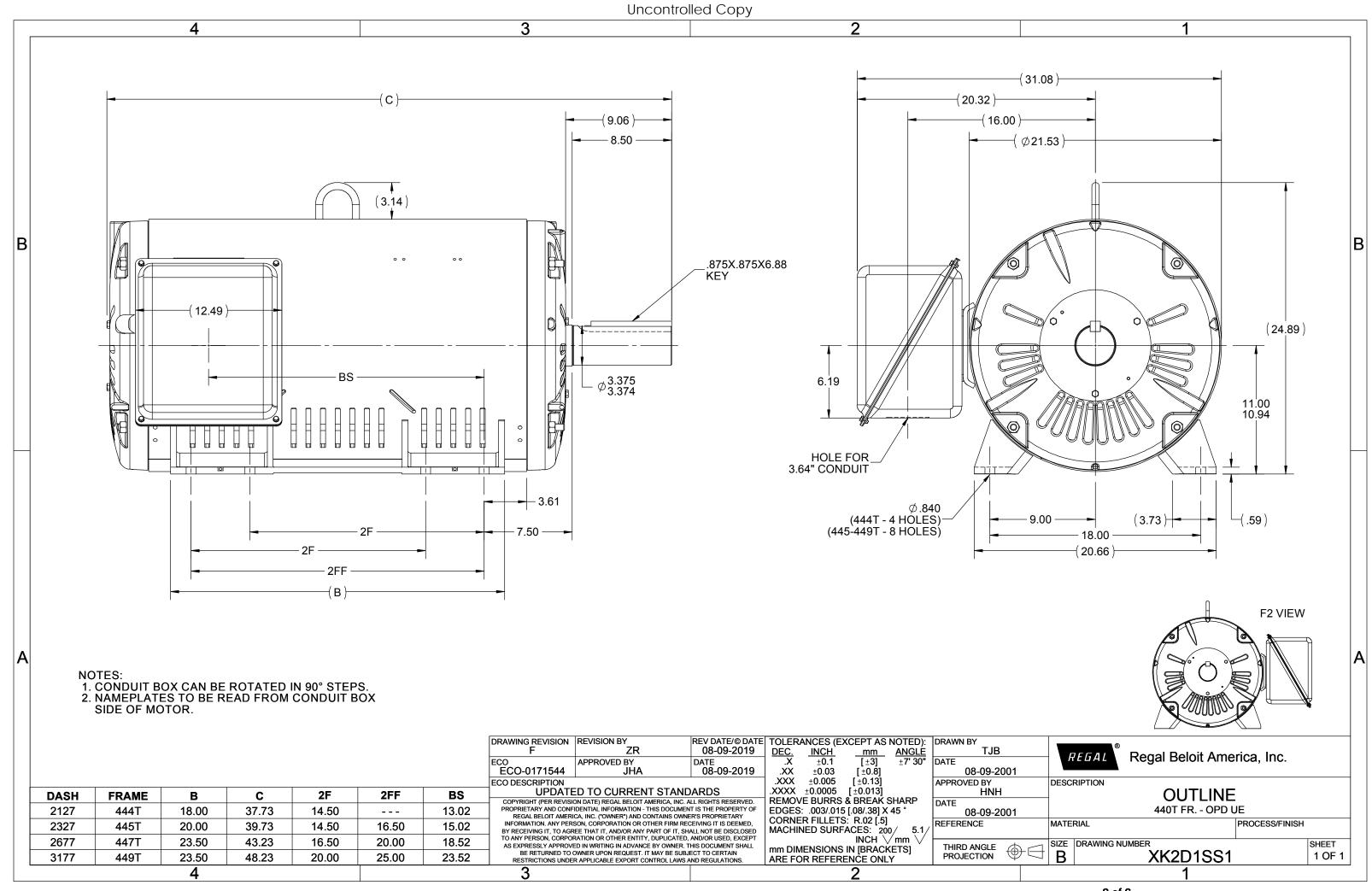
Phase	3	Output HP	150 & 150 Hp	
Output KW	112.0 & 112.0 kW	Voltage	460 & 415 V	
Speed	1788 & 1487 rpm	Service Factor	1.25 & 1.15	
Frame	444T	Enclosure	Drip Proof	
Thermal Protection	No Protection	Efficiency	95.8 & 95.8 %	
Ambient Temperature	40 °C	Frequency	60 & 50 Hz	
Current	170 & 191 A	Power Factor	86	
Duty	Continuous	Insulation Class	F	
Design Code	BC	KVA Code	G	
Drive End Bearing Size	318	Opp Drive End Bearing Size	315	
UL	Recognized	CSA	Y	
CE	Y	IP Code	22	
Number of Speeds	1			

## **Technical Specifications**

Electrical Type	Squirrel Cage Induction Run	Starting Method	Wye Start Delta Run
Poles	4	Rotation	Reversible
Resistance Main	.026 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	т	Overall Length	37.43 in
Frame Length	21.27 in	Shaft Diameter	3.375 in
Shaft Extension	8.5 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	A-EE7340-LN	Outline Drawing	XK2D1SS1-2127

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LEESON



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1								EE7340-LN
	START   T1 (U1) I1   T2 (V1) I2   T3 (W1) I2   T4 (U2) I3   T5 (V2) I6   T6 (W2) I1   T2 (V1) I2   T3 (W1) I2   T4 (U2) I2   T5 (V2) I2   T6 (W2) I2   T3 (W1) I2   T4 (U2) I2   T3 (W1) I2   T3 (W1) I2   T5 (V2) I3   NOTE: NOTE:		∆ F	T6	T1 T4			— T1 (U1) — T4 (U2) — T5 (V2) — T2 (V1) — T6 (W2) — T3 (W1)
	IEC LEAD MARKINGS ARE NOTED IN PARENTHESES	1			FRANCES			T4C
				UNLES	ERANCES S SPECIFIE INCHES	<u>Þ</u>		DRAWN BLR 10-04-1999 CHK DRS 10-04-1999
				.X	±.1	MOTORS		APPD TB 10-04-1999
l	REVISED TO MATCH M.E. ORIGINAL	TAT 07-25-200	5 ML	.xx	±.02	TITLE CONNECTION DIAGRAM		SCALE 1=1
3		ERH 05-15-2003	5 ML	.xxx	±.005	30 – WYE START DELTA RUN		REF
3	REVISED DRAWING MISTAKE CN 29200-2980							
	REVISED DRAWING MISTAKE CN 29200-2980 NEW DRAWING	BLR 10-09-1999		.xxxx	$\pm.0005$	MAT'L.		FMF
2			СНК	+	±.0005 ±7'30"	MAT'L. FINISH		FMF PREV
2 1 NO.	NEW DRAWING	BLR 10-09-1999 BY & DATE		ANG			SIZE DRA	



**CERTIFICATION DATA SHEET** 

2100 WASHINGTON ST. GRAFTON, WI PH. 262-277-8810

### CONN. DIAGRAM: A-EE7340-LN

**OUTLINE:** XK2D1SS1-2127

CATALOG : LM13817 MOUNTING: F1 ONLY

**WINDING #:** L4444012 1

#### TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
150&150	112&112	1800	1788&1487	444T	DP	G	BC

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
З	60/50	460&415	170&191	WYE START DELTA RUN	CONTINUOUS	F1	1.25/1.15	40

FULL LOAD EFF:	95.8&95.8	3/4 LOAD EFF:	95.8	1/2 LOAD EFF:	95.4	GTD. EFF	ELEC, TYPE
FULL LOAD PF:	86&85	3/4 LOAD PF:	83.5	1/2 LOAD PF:	77	95	SQ CAGE IND RUN

F.L. TORQUE LOCKED ROTOR AMPS		LOCKED ROTOR AMPS		L.R. TORO	QUE	B.D. TORQUE			F.L. RISE°C	
441	LB-FT	1085	885	LB-FT	201 %	1025	LB-FT	232 %	45	

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
- dBA	– dBA	0 LB-FT^2	- LB-FT^2	- SEC.	-	- 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	GRAY - LINCOLN

BEAR	BEARINGS		SHAFT TYPE			SHAFT	FRAME
DE	ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	MATERIAL	MATERIAL
BALL	BALL		Ŧ	NONE	NONE		ROLLED STEEL
318	318 315 POLYREX EM		I	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL

	THERMO-PROTE	CTORS		TUEDMICTORC	THERMISTORS CONTROL	
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NONE <b>VOLTS</b>
*				INVERTER TORQUE: INV. HP SPEED RANG		
Ν				ENCODER: NONE		
0				NONE NONE NONE	PPR	
т				BRAKE: NONE	NONE	
E				NONE P/N NO NONE NONE		
S				NONE FT-LB NO	DNE V	NONE Hz

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