PRODUCT INFORMATION PACKET



Model No: LM13820 Catalog No: LM13820

General Purpose Motor, 200 & 150 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 1800 & 1500 RPM, 445T Frame, DP





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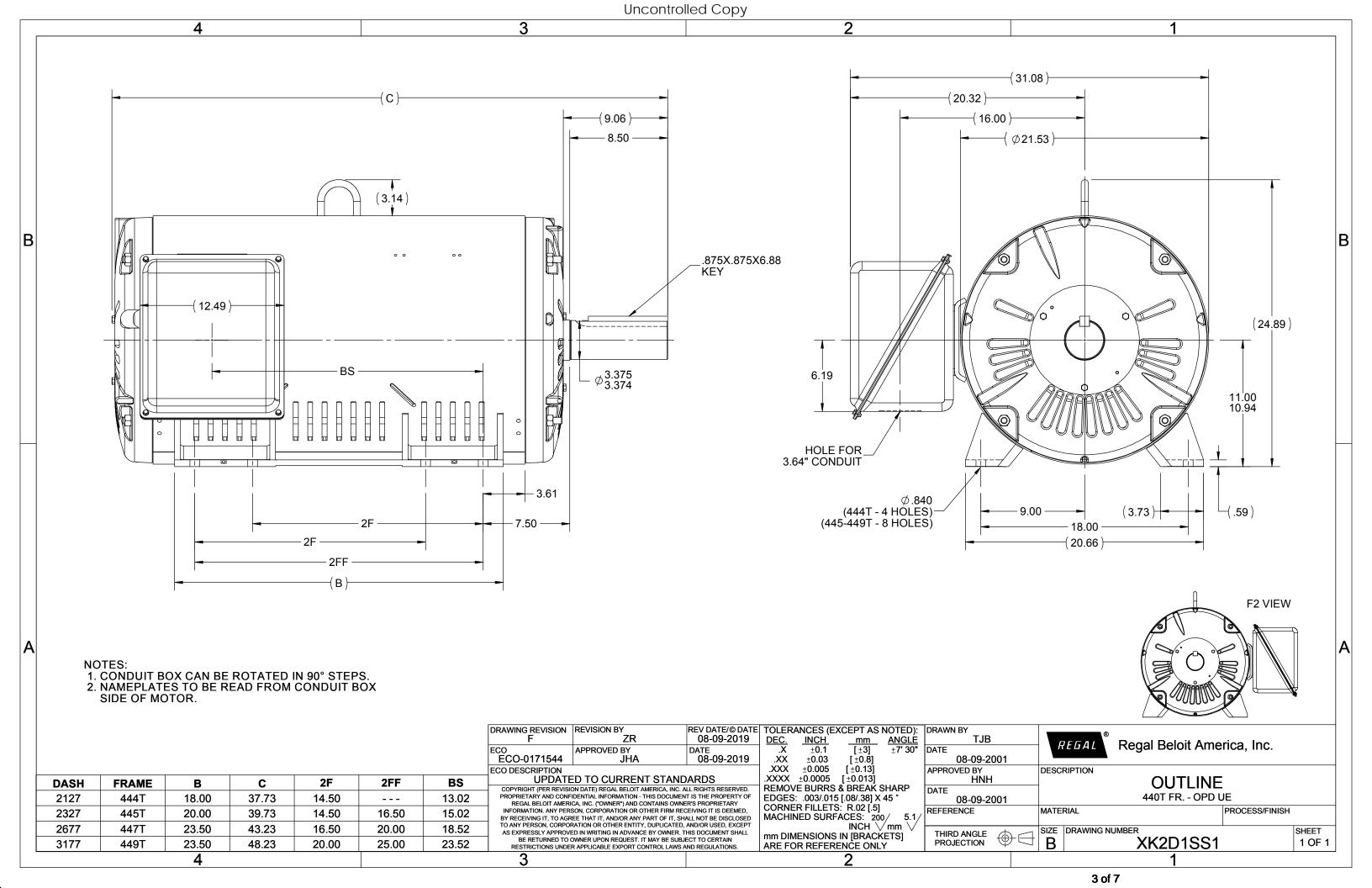
Nameplate Specifications

Phase	3	Output HP	200 & 150 Hp
Output KW	149.0 & 112.0 kW	Voltage	460 & 380 V
Speed	1787 & 1488 rpm	Service Factor	1.25 & 1.15
Frame	445T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	96.2 & 95.8 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	233 & 214 A	Power Factor	83.5
Duty	Continuous	Insulation Class	F
Design Code	ВС	KVA Code	G
Drive End Bearing Size	318	Opp Drive End Bearing Size	315
UL	Recognized	CSA	Υ
CE	Υ	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	.018 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	39.43 in
Frame Length	23.27 in	Shaft Diameter	3.375 in
Shaft Extension	8.5 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	A-EE7340-LN	Outline Drawing	XK2D1SS1-2327

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T4C

3

EE7340-LN



T1 (U1) — → L1

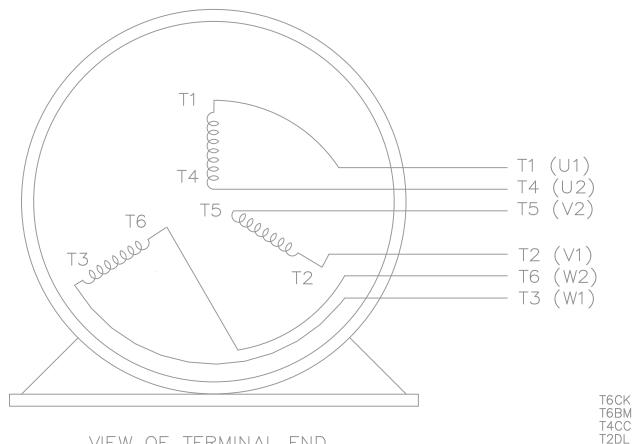
T6 (W2)-

RUN

T1 (U1)

NOTE: IEC LEAD MARKINGS ARE NOTED IN PARENTHESES

THREE PHASE - Y START A RUN MOTOR



VIEW OF TERMINAL END

CAD FILE ee7340_In

TOLERANCES UNLESS SPECIFIED DRAWN BLR 10-04-1999 DEC. INCHES DRS 10-04-1999 ±.1 APPD TB 10-04-1999 REVISED TO MATCH M.E. ORIGINAL TAT 07-25-2005 | ML .xx ±.02 SCALE 1=1 TITLE CONNECTION DIAGRAM 30 - WYE START DELTA RUN REVISED DRAWING MISTAKE CN 29200-2980 ERH 05-15-2003 ML .xxx ±.005 REF **NEW DRAWING** BLR 10-09-1999 .XXXX ±.0005 MAT'L. FMF CHK | ANG | ±7'30" FINISH NO. REVISION BY & DATE PREV SIZE DRAWING NO. PAGE OF RFP REV.

DIST WA-LB-SB

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CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: A-EE7340-LN

CATALOG #: LM13820

OUTLINE: XK2D1SS1-2327

WINDING #: L4454031 1

MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

НР	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
200&150	149&112	1800	1787&1488	445T	DP	G	ВС

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	460&380	233&214	WYE START DELTA RUN	CONTINUOUS	F1	1.25/1.15	40

FULL LOAD EFF:	96.2&95.8	3/4 LOAD EFF:	96.2	1/2 LOAD EFF:	95.8	GTD, EFF	ELEC, TYPE
FULL LOAD PF:	83.5&83	3/4 LOAD PF:	81	1/2 LOAD PF:	73.5	95.4	SQ CAGE IND RUN

F.L. TORQUE		LOCKED ROTOR AMPS	L.R. TORQUE			B.D. TORQUE			F.L. RISE°C
588	LB-FT	1450	1250	LB-FT	213 %	1400	LB-FT	238 %	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 ***

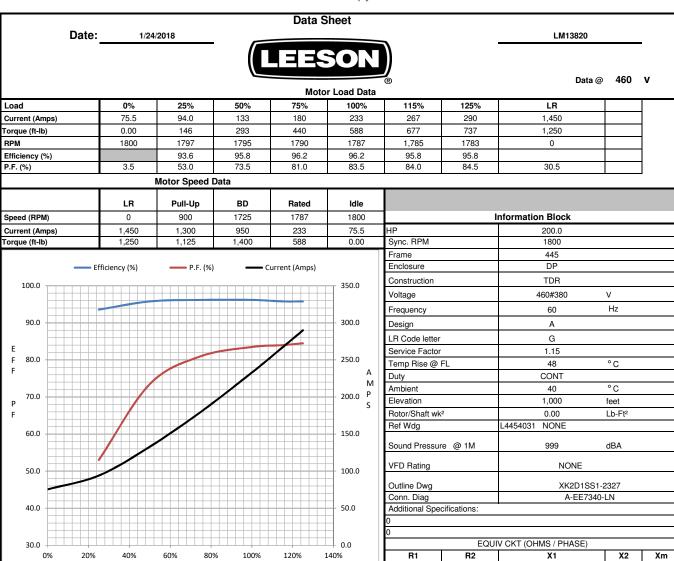
DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY - LINCOLN

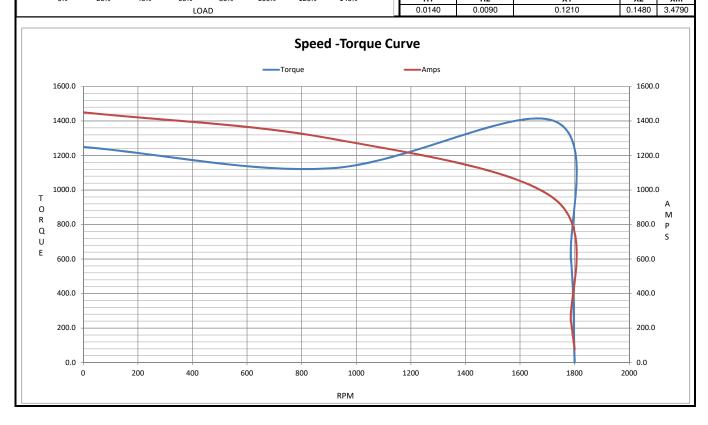
BEAR	RINGS	GREASE	SHAFT TYPE	CDECTAL DE	SPECIAL ODE	SHAFT	FRAME	
DE	ODE	GREASE	SHAFI ITPE	SPECIAL DE	SPECIAL ODE	MATERIAL	MATERIAL	
BALL	BALL	DOLVDEY EM	_	NONE	NONE	1045 HOT DOLLED (C 204)	DOLLED STEEL	
318	315	POLYREX EM	1	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL	

	THERMO-PROTE	CTORS	THERMISTORS	CONTROL	CDACE HEATERS	
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

*	INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE
N	ENCODER: NONE
0	NONE NONE PPR
т	BRAKE: NONE NONE
_	NONE P/N NONE
E	NONE NONE
S	NONE FT-LB NONE V NONE Hz

*







EC Declaration of Conformity

The undersigned representing the manufacturer:

Regal Beloit America 100 East Randolph St. Wausau, WI 54401 and the authorized representative established within the Community:

Marathon Electric UK 6F Thistleton Road Ind. Estate Market Overton Oakham, Rutland LE15 7PP UK

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No: LM13820

(Model No. may contain prefix and/or suffix characters)

Catalog No: LM13820

Rework No: N/A

Directives:

Low Voltage Directive 2014/35/EU

Harmonized Standards Used:

EN 60034-1: 2010 (IEC 60034-1: 2010)

Michael A Logsdon

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:

Michael A. Logsdon Vice President, Technology

Created on 11/23/2022

Authorized Representative in the Community:

J. cerse

Julian Clark Marketing Engineer

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