PRODUCT INFORMATION PACKET

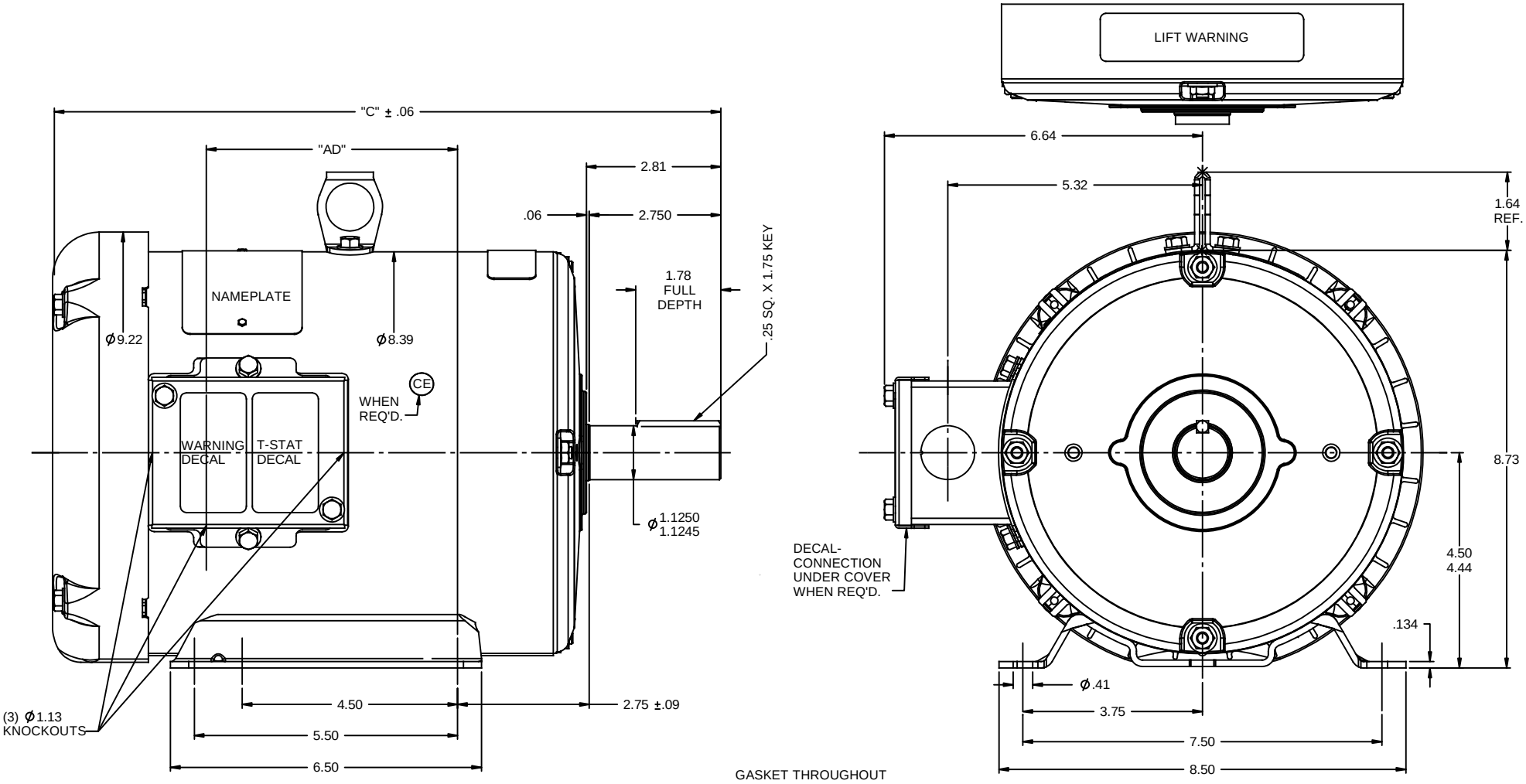
Model No: LM33262
Catalog No: LM33262
General Purpose Motor, 3 & 3 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 & 3000 RPM, 182T Frame, TEFC

Nameplate Specifications

Phase	3	Output HP	3 & 3 Hp
Output KW	2.2 & 2.2 kW	Voltage	230/460 & 190/380 V
Speed	3510 & 2880 rpm	Service Factor	1.25 & 1.25
Frame	182T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Thermostat	Efficiency	86.5 & 85.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	7.8/3.9 & 9.2/4.6 A	Power Factor	83
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	K
Drive End Bearing Size	206	Opp Drive End Bearing Size	205
UL	Recognized	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	3.56 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	13.46 in
Frame Length	8.00 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	035465LN-800	Connection Drawing	05010.20LN



DASH NO.	"C"	"AD"
750	12.96	4.25
800	13.46	4.75
850	13.96	5.25
900	14.46	5.75
950	14.96	6.25
1000	15.46	6.75
1050	15.96	7.25
1100	16.46	7.75
1150	16.96	8.25

NO	REVISION	BY & DATE	CHK
01	ADDED T-STAT DECAL	JD 6/17/2011	

TOLERANCES UNLESS SPECIFIED
DEC INCHES
.X ±.1
.XX ±.03
.XXX ±.005
.XXXX ±.0005
ANG ±1/2°

THIRD ANGLE PROJECTION

Lincoln MOTORS

TITLE OUTLINE - 180T FRAME
TEFC - RIGID
MAT'L GENERAL PURPOSE
FINISH
RFP
PREV
NETWORK FILE NAME 035465LN

DRAWN KK 3/17/2011
CHK ST 3/17/2011
APPR
SCALE 1:2
REF 035465
FMF
PAGE OF

SIZE B
DRAWING NO 035465LN
REV 01

1051 CHEYENNE AVE.
GRAFTON, WI 53024
PH. 262-277-8810

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 05010.20LN **CAT #:** LM33262
OUTLINE: 035465LN-800
WINDING: T82102 R1 3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
3	2.2	3600	3510	182T	TEFC	TFW	K	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	7.8/3.9&9.2/4.6	ACROSS THE LINE	CONT	F	1.15	40	3300

F.L. EFF	86.5	3/4 LD EFF	85.6	1/2 LD EFF	82.5	GTD EFF	ELECT. TYPE
F.L. PF	83.0	3/4 LD PF	77.3	1/2 LD PF	66.5	83.8	SQ CAGE IND RUN

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (° C)	
4.5 LB-FT	33.0	11.0 LB-FT 244%	18.2 LB-FT 404%	45	

PRESSURE @ 3	SOUND POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
75 dBA	84 dBA	0.23 LB-FT²	11 LB-FT²	15 SEC.	2	60 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	NO	NONE	NO	NONE	WATTSAVER

BEARINGS DE	BEARINGS ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
BALL 206	BALL 205	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
TSTATS (N/C)	AUTOMATIC	NONE	NONE	NONE	FALSE	NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
1.778	2.015	7.322	2.45	167.442	0.150	ODE

*
N
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T
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S
*

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE

ENCODER: NONE
NONE
NONE NONE **PPR**

BRAKE: NONE
NONE NONE
FT-LB: NA
VOLTAGE: NONE **HZ:**
UL: Y-(LEESON UL REC)

DATE: 9/11/2018

Data Sheet

Date: 9/11/2018

LEESON

LM33262

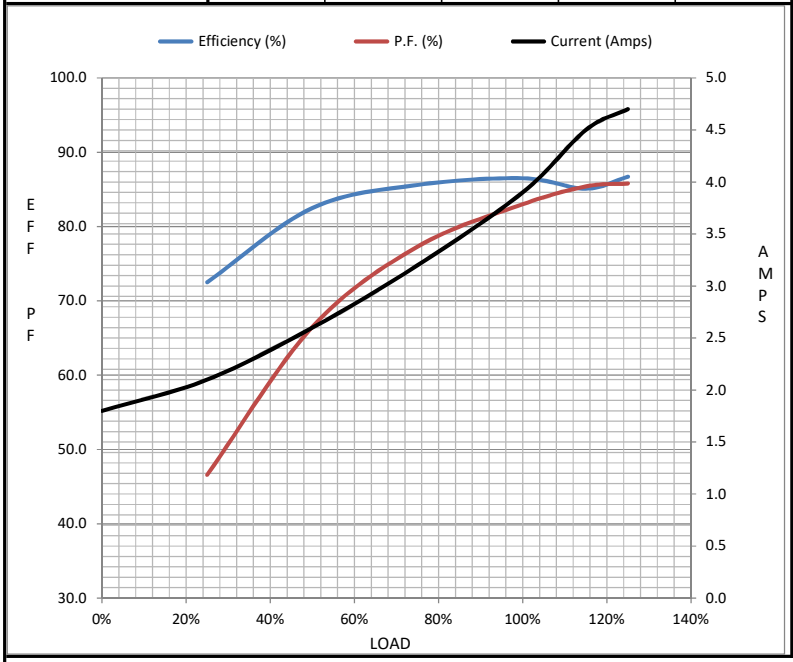
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.80	2.10	2.60	3.2	3.9	4.5	4.7	33.0	
Torque (ft-lb)	0.00	1.10	2.20	3.3	4.5	5.2	5.6	11.0	
RPM	3600	3579	3559	3539	3510	3,500	3492	0	
Efficiency (%)		72.5	82.5	85.6	86.5	85.1	86.7		
P.F. (%)	13.5	46.6	66.5	77.3	83.0	85.4	85.8	49.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	186	2800	3510	3600
Current (Amps)	33.0	32.5	21.7	3.9	1.80
Torque (ft-lb)	11.0	11.0	18.2	4.5	0.00



Information Block

HP	3.0	
Sync. RPM	3600	
Frame	180	
Enclosure	TEFC	
Construction	TFW	
Voltage	230/460#190/380	V
Frequency	60	Hz
Design	B	
LR Code letter	K	
Service Factor	1.15	
Temp Rise @ FL	45	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	0.23	Lb-Ft²
Ref Wdg	T82102 R1	
Sound Pressure @ 1M	75	dBA
VFD Rating	NONE	
Outline Dwg	035465LN-800	
Conn. Diag	05010.20LN	

Additional Specifications:

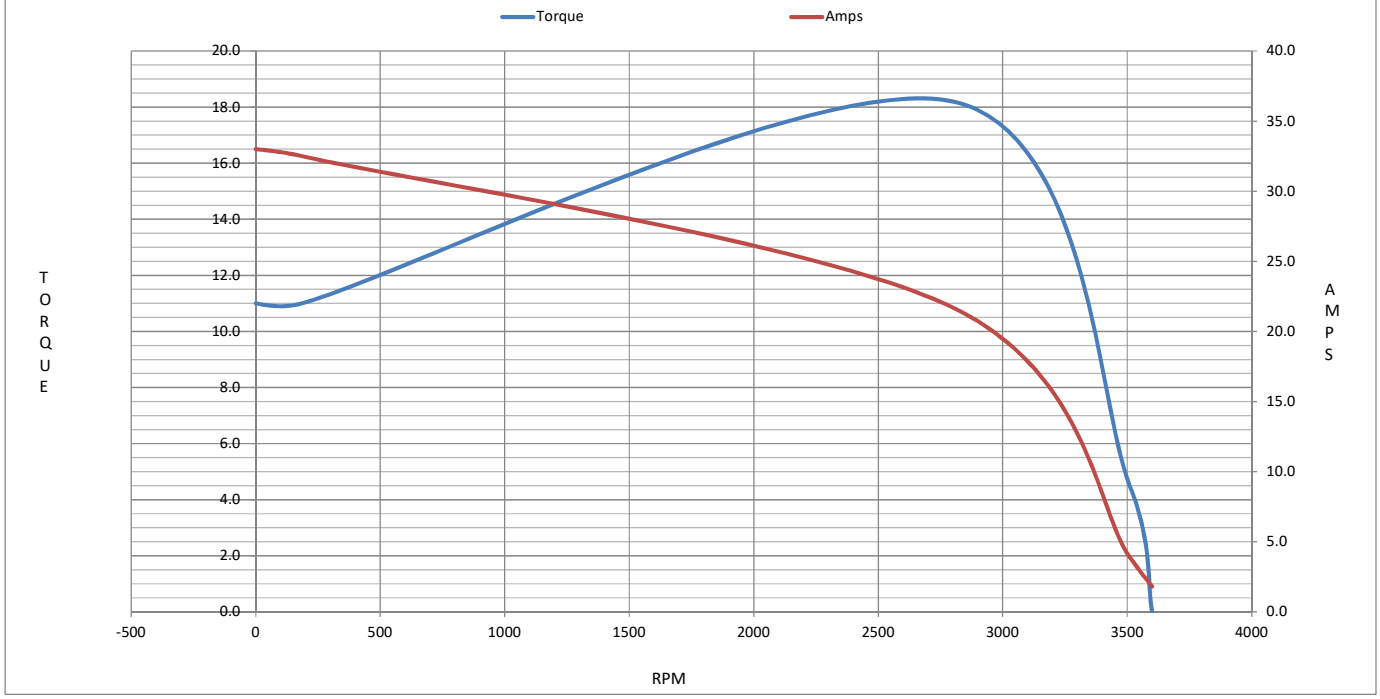
0

0

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
1.7780	2.0150	7.3220	2.4500	167.4420

Speed -Torque Curve



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 : LM33262

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

Catalog No : LM33262

Rework No : N/A

Directives :

Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010)
EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:

Michael A. Logsdon
Vice President, Technology

Authorized Representative in the Community:

Julian Clark
Marketing Engineer

Created on 09/01/2022

CE 22