

# PRODUCT INFORMATION PACKET



Model No: 131549.00

Catalog No: 131549.00

General Purpose Motor, 5 HP, 1 Ph, 60 Hz, 230 V, 3600 RPM, 184T Frame, TEFC



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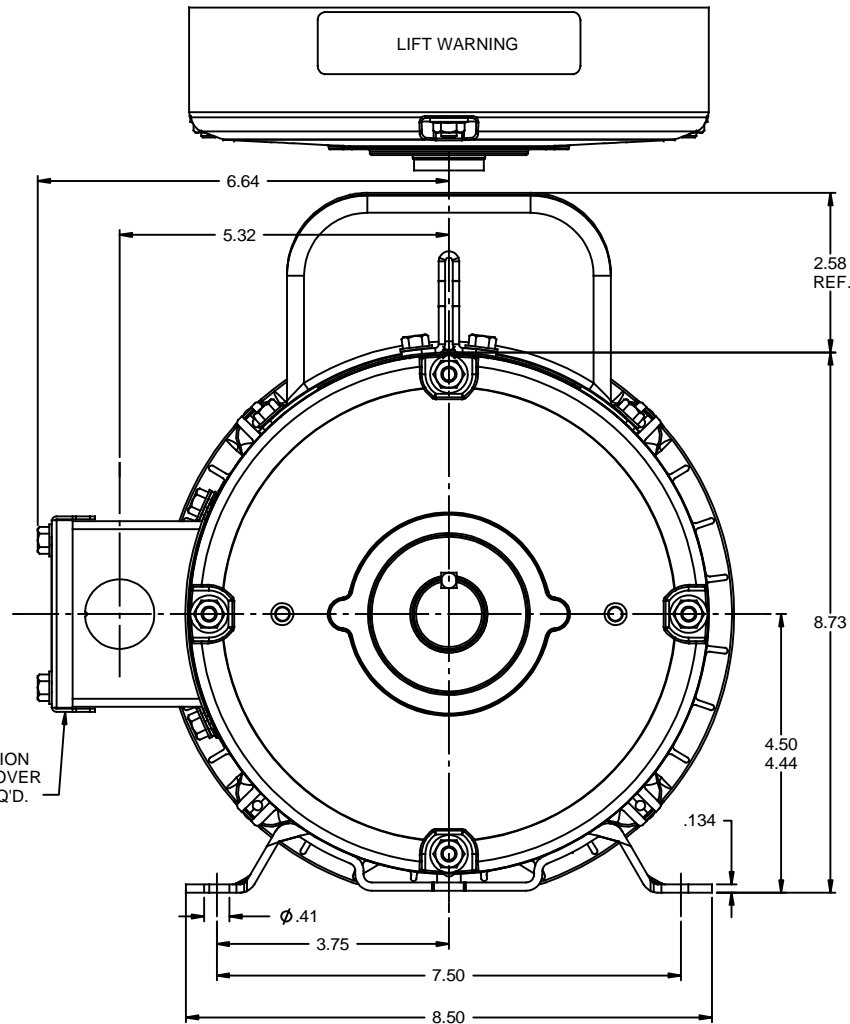
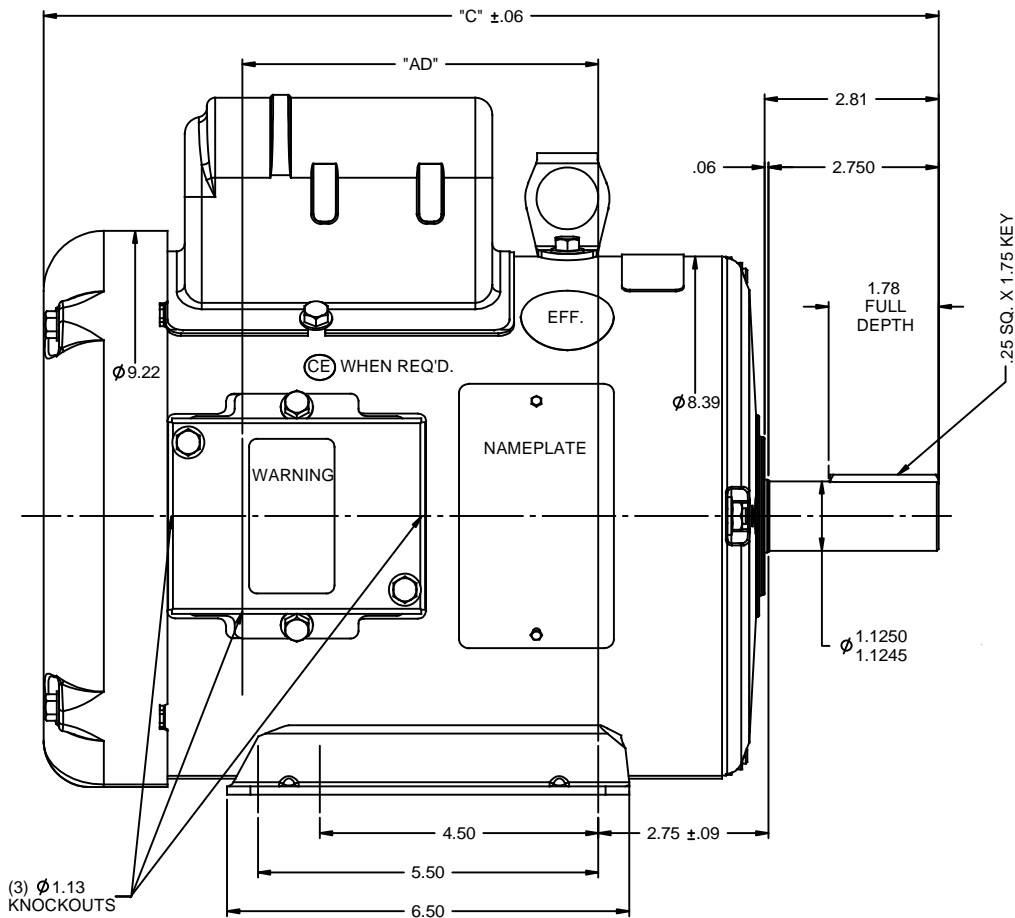


## Nameplate Specifications

Output HP	5 Hp	Output KW	3.7 kW
Frequency	60 Hz	Voltage	230 V
Current	19.8 A	Speed	3500 rpm
Service Factor	1.15	Phase	1
Efficiency	82.5 %	Power Factor	98
Duty	Continuous	Insulation Class	F
Design Code	L	KVA Code	H
Frame	184T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	N	IP Code	43
Number of Speeds	1		


## Technical Specifications

Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	2	Rotation	Selective Counterclockwise
Resistance Main	.342 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	16.96 in
Frame Length	11.50 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	035352-1150	Connection Drawing	005018.01

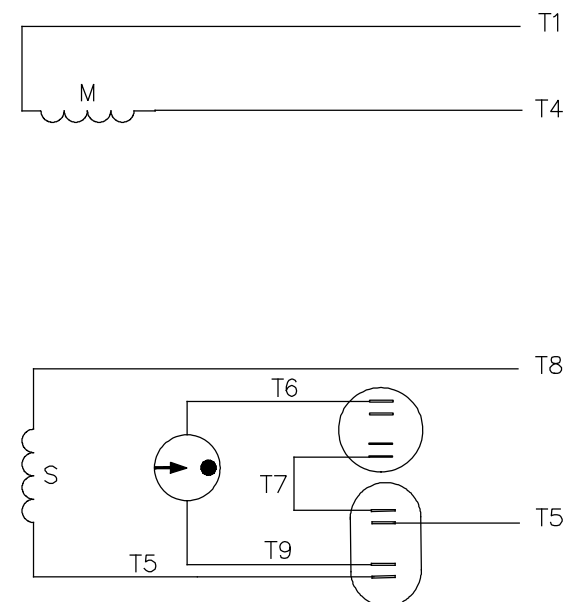
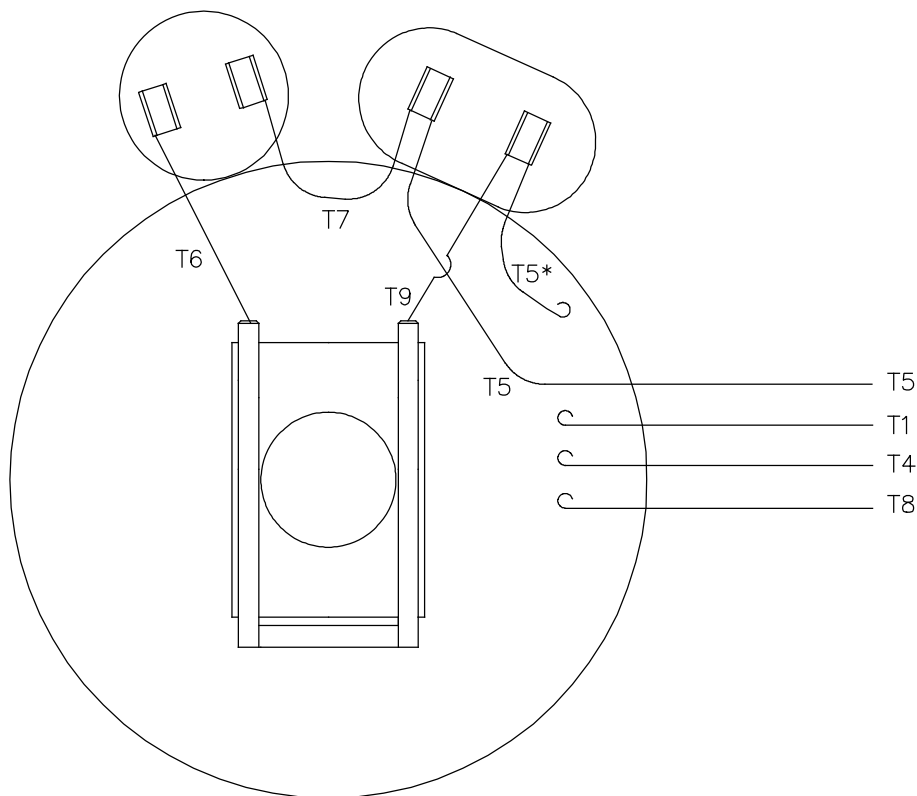


DASH NO.	"C"	"AD"
800	13.46	4.75
850	13.96	5.25
900	14.46	5.75
950	14.96	6.25
1000	15.46	6.75
1050	15.96	7.25
1100	16.46	7.75
1150	16.96	8.25
1200	17.46	8.75

GASKETS THROUGHOUT


			TOLERANCES UNLESS SPECIFIED:	 <b>REGAL-BELOIT CORPORATION</b>	DRAWN PG 6/20/97
			DEC INCHES		CHK RK 6/20/97
			X ±.1		APPR
			.XX ±.03	TITLE OUTLINE - 180T FRAME	SCALE 1:2
			.XXX ±.005	TEFC - RIGID MOUNT	REF
-	UPDATED & REDRAWN TO SOLIDWORKS	LST 12/15/2009	XX .XXX ±.0005	MATL	FMF
NO	REVISION	BY & DATE	CHK ANG ±1/2"	FINISH	PAGE OF
	THIRD ANGLE PROJECTION		RFP	PREV	SIZE DRAWING NO
			NETWORK FILE NAME	B	035352
					REV -

LINE LEADS



ROTATION FACING LEAD END	L1	L2
C.C.W.	T1,T8	T4,T5
C.W.	T1,T5	T4,T8

\* THIS LEAD MAY BE WHITE

				TOLERANCES UNLESS SPECIFIED		 <b>Regal</b> Beloit America, Inc.	DRAWN ADH 02/19/74		
				DEC.	INCHES		CHK WRK 02/20/74		
21	LOGO UPDATED FROM LEESON TO MARATHON	AS 07/03/19	AS .X	±.1			APPD JCW 02/20/74		
20	ALTERNATE T5 LEAD MARKING WAS RED	RLW 7/22/02	KH .XX	±.01	TITLE	EXTERNAL WIRING DIAGRAM TYPE "K" W/O PROTECTOR	SCALE	1=1	
19	ADDED ALTERNATE T5 LEAD MARKING	RLW 5/31/02	KH .XXX	±.005			REF		
18	REDRAWN ON CAD	DBT 06/24/97		.XXXX	±.0005	MAT'L	DECAL - 004018	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	00501801	SIZE	DRAWING NO.	REV
			DIST BRF-NLV			A	005018-01	21	



# CERTIFICATION DATA SHEET

**1051 CHEYENNE AVE.  
GRAFTON, WI 53024  
PH. 262-377-8810**

**CATALOG #:** 131549.00

**CONN. DIAGRAM:** 005018.01

**OUTLINE:** 035352-1150

**MOUNTING:** F1 ONLY

**WINDING #:** K8225 FR 2 A

## TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
5	3.70	3600	3500	184T	TEFC	H	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	230	19.8	ACROSS THE LINE	CONTINUOUS	F4	1.15	40

<b>FULL LOAD EFF:</b>	82.5	<b>3/4 LOAD EFF:</b>	81.3	<b>1/2 LOAD EFF:</b>	77.4	<b>GTD. EFF</b>		<b>ELEC. TYPE</b>
<b>FULL LOAD PF:</b>	98	<b>3/4 LOAD PF:</b>	98.1	<b>1/2 LOAD PF:</b>	97.8	80		CAP START CAP RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
7.5 LB-FT	153	16.2 LB-FT 216 %	19.4 LB-FT 259 %	71

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.485 LB-FT^2	0.5 LB-FT^2	0 SEC.	0	96 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	BLUE - LEESON (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL
6206	6205						

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

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**INVERTER TORQUE:** NONE  
**INV. HP SPEED RANGE:** NONE

**ENCODER:** NONE  
NONE NONE  
NONE NONE PPR

**BRAKE:** NONE NONE  
NONE P/N NONE  
NONE NONE  
NONE FT-LB NONE V NONE Hz

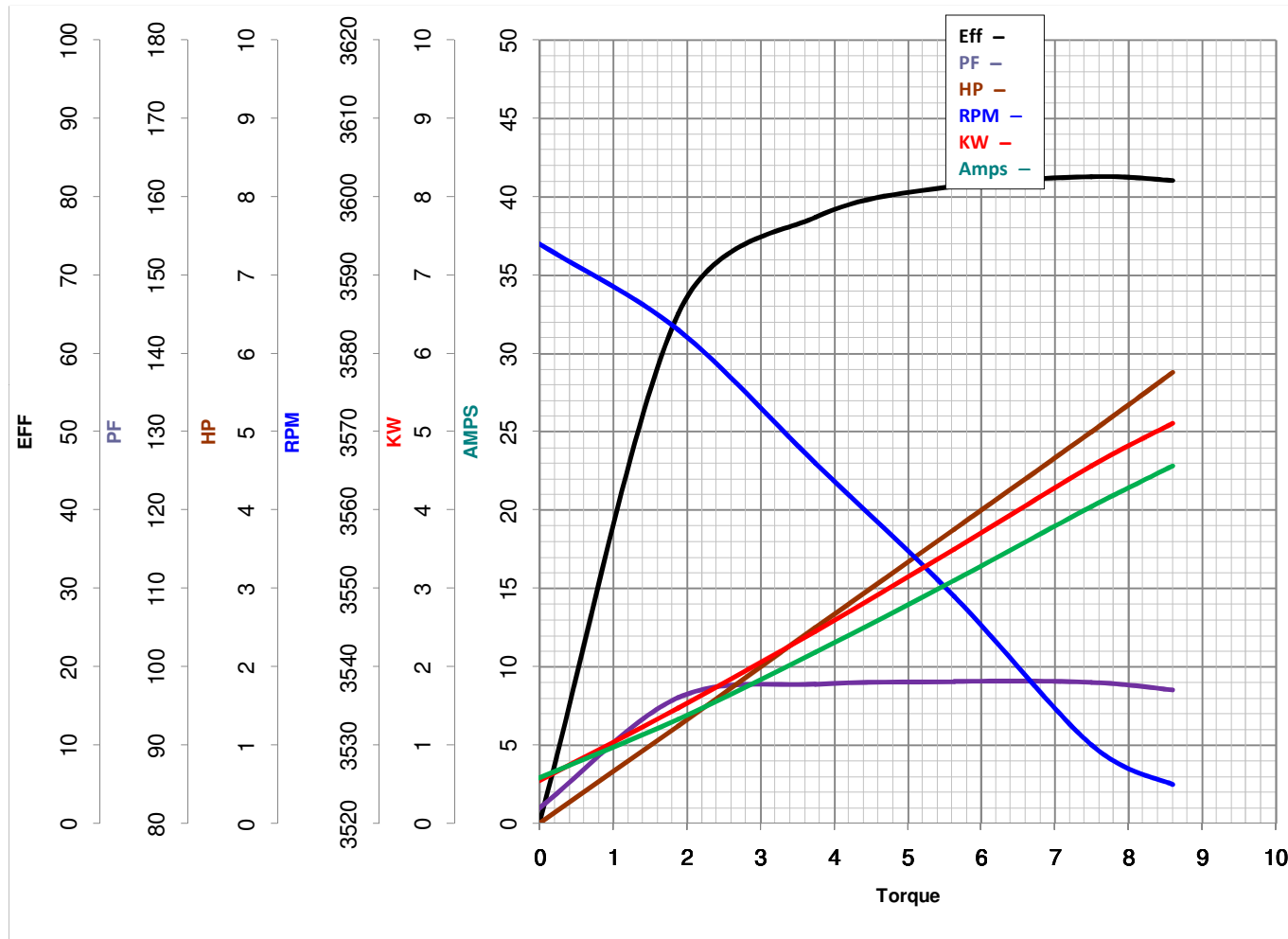


# LEESON ELECTRIC CORPORATION

## TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 131549.00

Curve at

230  
60  
5Volts  
HZ  
HPHP 5.00VOLTS 230PHASE 1Catalog No 131549.00HZ 60RPM 3500

Torque in Lb.Ft

FL TORQUE 7.5 Lb.Ft  
 BD TORQUE 19.4 Lb.Ft  
 LR TORQUE 16.2 Lb.Ft

FL AMPS 19.8  
 PU TORQUE 15.8 Lb.Ft  
 LR AMPS 15.3

WINDING K8225-2

Date 4/9/2018