

# PRODUCT INFORMATION PACKET



Model No: 131777.00

Catalog No: 131777.00

General Purpose Motor, 5 HP, 1 Ph, 60 Hz, 208-230 V, 3600 RPM, 184TC Frame, DP



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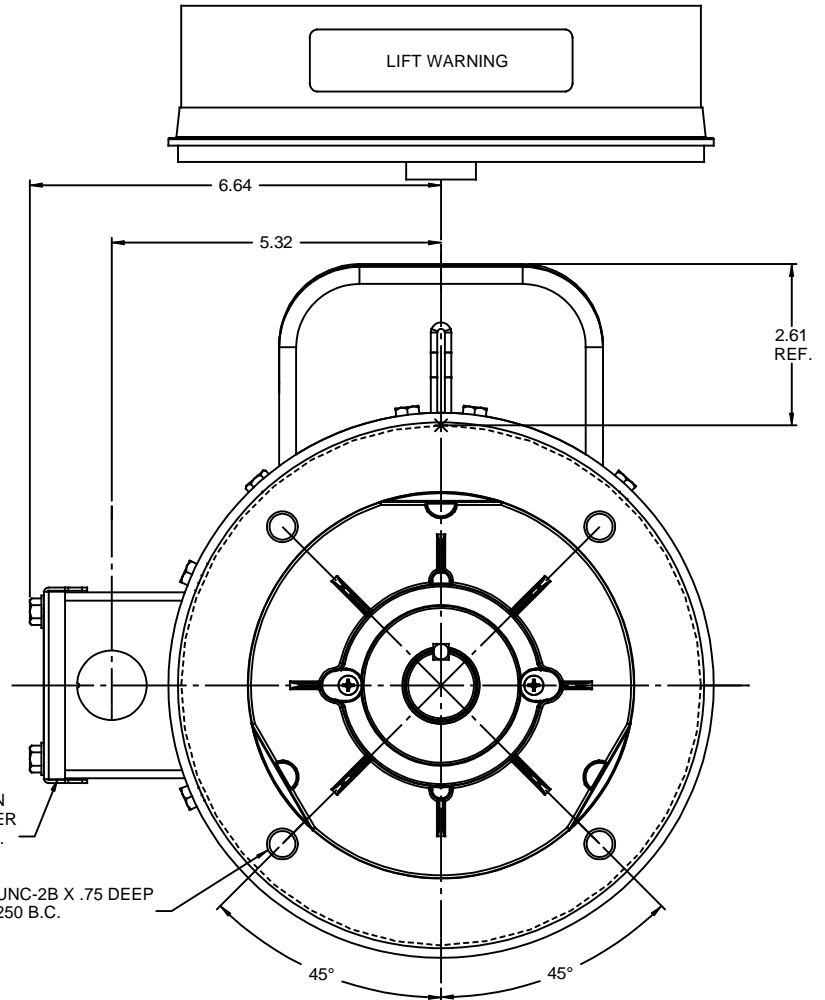
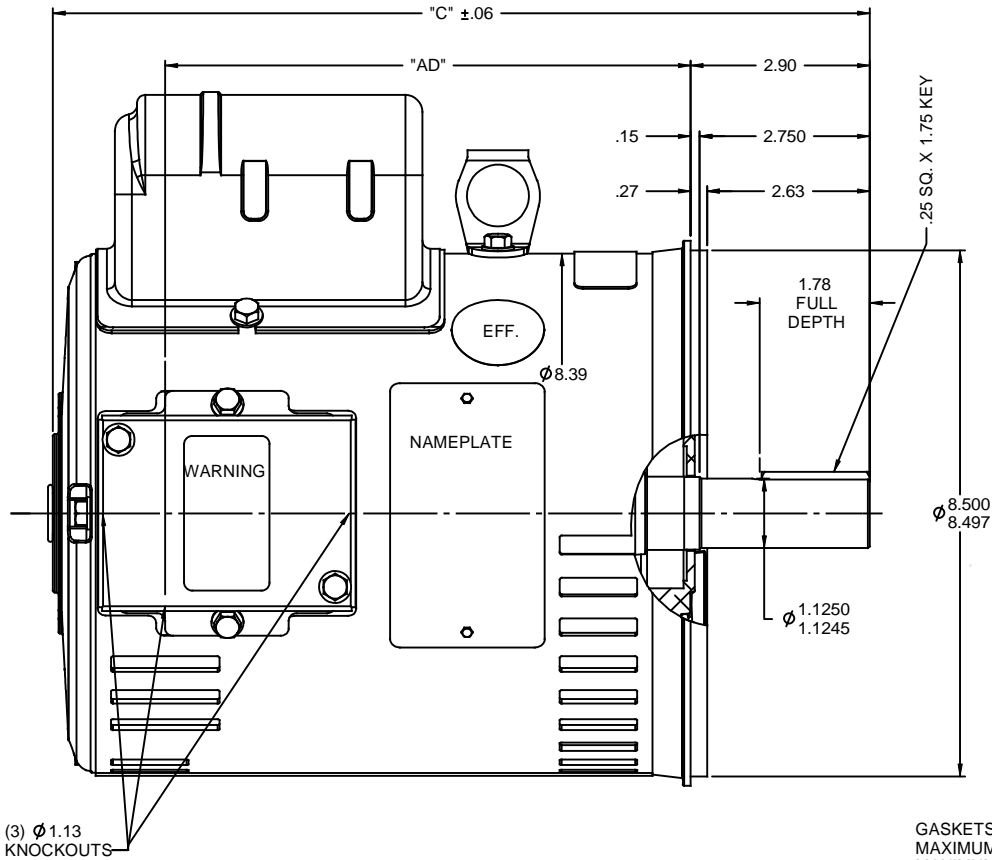
### Nameplate Specifications

Output HP	5 Hp	Output KW	3.7 kW
Frequency	60 Hz	Voltage	208-230 V
Current	23.0-22.2 A	Speed	3490 rpm
Service Factor	1.15	Phase	1
Efficiency	80 %	Power Factor	92
Duty	Continuous	Insulation Class	F
Design Code	L	KVA Code	G
Frame	184TC	Enclosure	Drip Proof
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	22
Number of Speeds	1		

### Technical Specifications

Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	2	Rotation	Selective Counterclockwise
Resistance Main	.37 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	14.70 in
Frame Length	10.50 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005018.01	Outline Drawing	035371-1050

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GASKETS THROUGHOUT  
 MAXIMUM FACE RUNOUT TO BE .004 T.I.R.  
 MAXIMUM PILOT ECCENTRICITY TO BE .004 T.I.R.  
 PERMISSIBLE SHAFT RUNOUT TO BE .002 T.I.R.

(3) Ø1.13  
 KNOCKOUTS

DASH NO.	"C"	"AD"
850	12.70	7.88
900	13.20	8.38
950	13.70	8.88
1000	14.20	9.38
1050	14.70	9.88
1100	15.20	10.38
1150	15.70	10.88

REVISION		BY & DATE	CHK	ANG	FINISH	PREV	SIZE	DRAWING NO	REV
- UPDATED AND REDRAWN IN SOLIDWORKS		LST 12/21/2009	XX	XXX	±.0005	MAT'L			
NO				±1/2°			B	035371	-

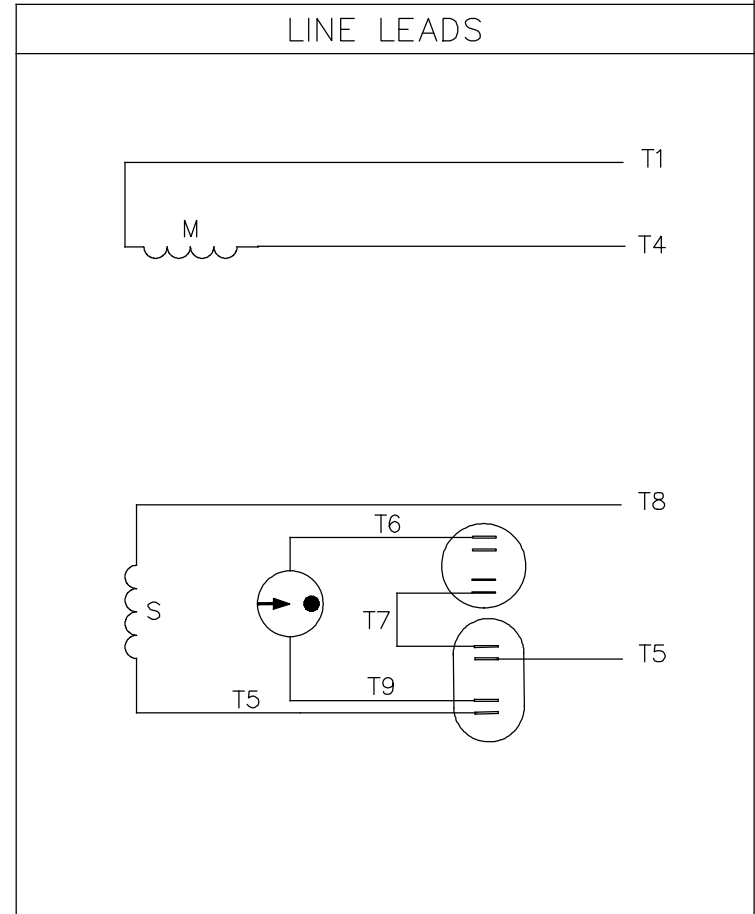
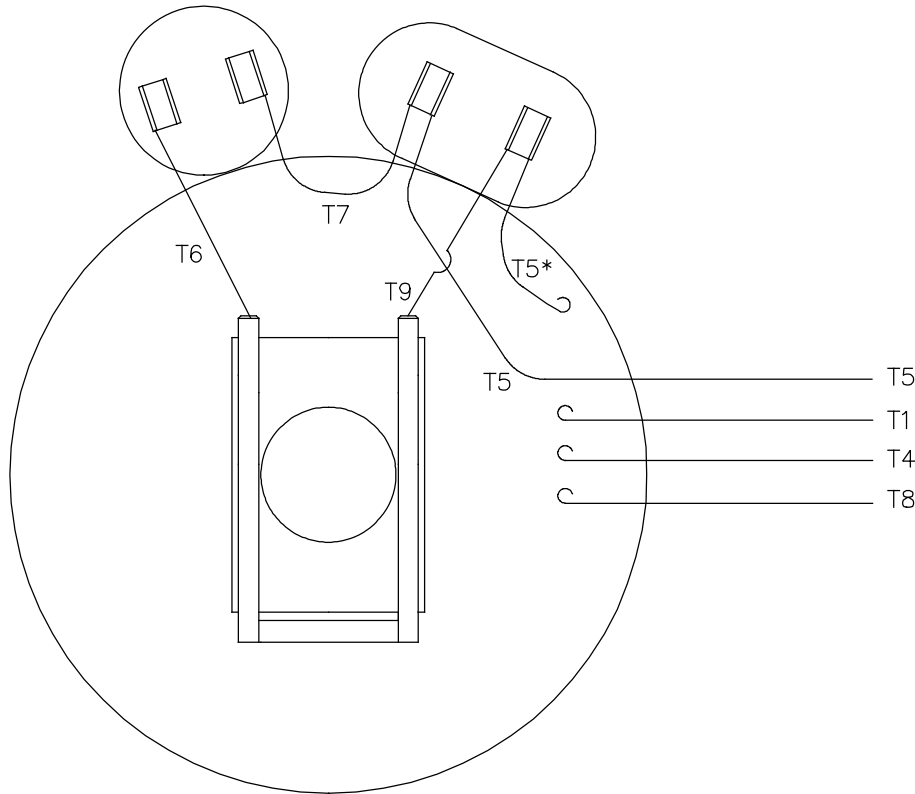
  

TOLERANCES UNLESS SPECIFIED	DEC	INCHES	DRAWN	PG 10/3/97
X		±.1	CHK	RSK 10/3/97
.XX		±.03	APPR	
.XXX		±.005	SCALE	1:2
.XXXX		±.0005	REF	035059
			FMF	STANDARD
			PAGE	OF

REV	DESCRIPTION	DATE
1	THIRD ANGLE PROJECTION	

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



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

\* THIS LEAD MAY BE WHITE

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN	CHK	APPD	SCALE	REF	PREV		
					DEC.	INCHES									
21	LOGO UPDATED FROM LEESON TO MARATHON	AS 07/03/19	AS	.X	±.1				ADH	02/19/74					
20	ALTERNATE T5 LEAD MARKING WAS RED	RLW 7/22/02	KH	.XX	±.01				WRK	02/20/74					
19	ADDED ALTERNATE T5 LEAD MARKING	RLW 5/31/02	KH	.XXX	±.005				JCW	02/20/74	1=1				
18	REDRAWN ON CAD	DBT 06/24/97		.XXXX	±.0005										
					±1/2"										
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	A	DRAWING NO.	005018-01	REV.	21
							DIST	BRF-NLV							



TITLE  
EXTERNAL WIRING DIAGRAM  
TYPE "K" W/O PROTECTOR

MAT'L.  
DECAL - 004018



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

**CERTIFICATION DATA SHEET**

**CATALOG #:** 131777.00

**CONN. DIAGRAM:** 005018.01

**OUTLINE:** 035371-1050

**MOUNTING:** F1 ONLY

**WINDING #:** K8222 DR 2 B

**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
5	3.70	3600	3490	184TC	DP	G	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	208-230	23-22.2	ACROSS THE LINE	CONTINUOUS	F4	1.15	40

FULL LOAD EFF:	80	3/4 LOAD EFF:	78.5	1/2 LOAD EFF:	75.1	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	92	3/4 LOAD PF:	91.3	1/2 LOAD PF:	86.3	77		CAP START CAP RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
7.5 LB-FT	141	19 LB-FT 253 %	19.2 LB-FT 256 %	44.9

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.16 LB-FT^2	0.2 LB-FT^2	10 SEC.	0	73 LBS.

**\*\*\* SUPPLEMENTAL INFORMATION \*\*\***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	ROUND	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

\*  
N  
O  
T  
E  
S

<b>INVERTER TORQUE:</b> NONE
<b>INV. HP SPEED RANGE:</b> NONE
<b>ENCODER:</b> NONE
NONE NONE
NONE NONE PPR
<b>BRAKE:</b> NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE HZ

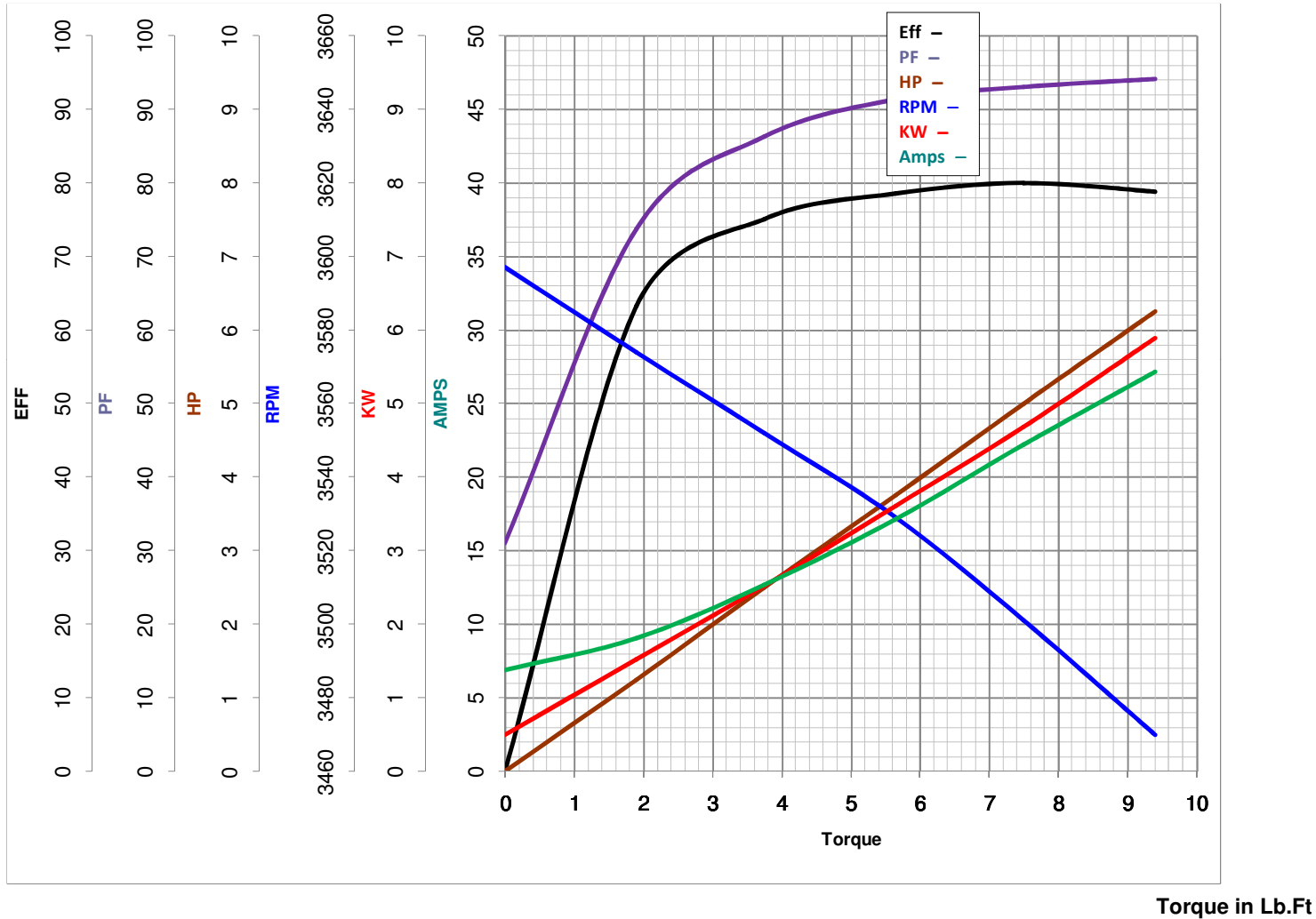


**LEESON ELECTRIC CORPORATION**  
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 131777.00

Catalog No 131777.00

Curve at 230 Volts HP 5.00 PHASE 1  
60 HZ  
5 HP VOLTS 208-230  
 HZ 60 RPM 3490



**FL TORQUE** 7.5 Lb.Ft  
**BD TORQUE** 19.2 Lb.Ft  
**LR TORQUE** 19 Lb.Ft

**FL AMPS** 23-22.2  
**PU TORQUE** 16.0 Lb.Ft  
**LR AMPS** 141

**WINDING** K8222-2

**Date** 4/23/2018