PRODUCT INFORMATION PACKET

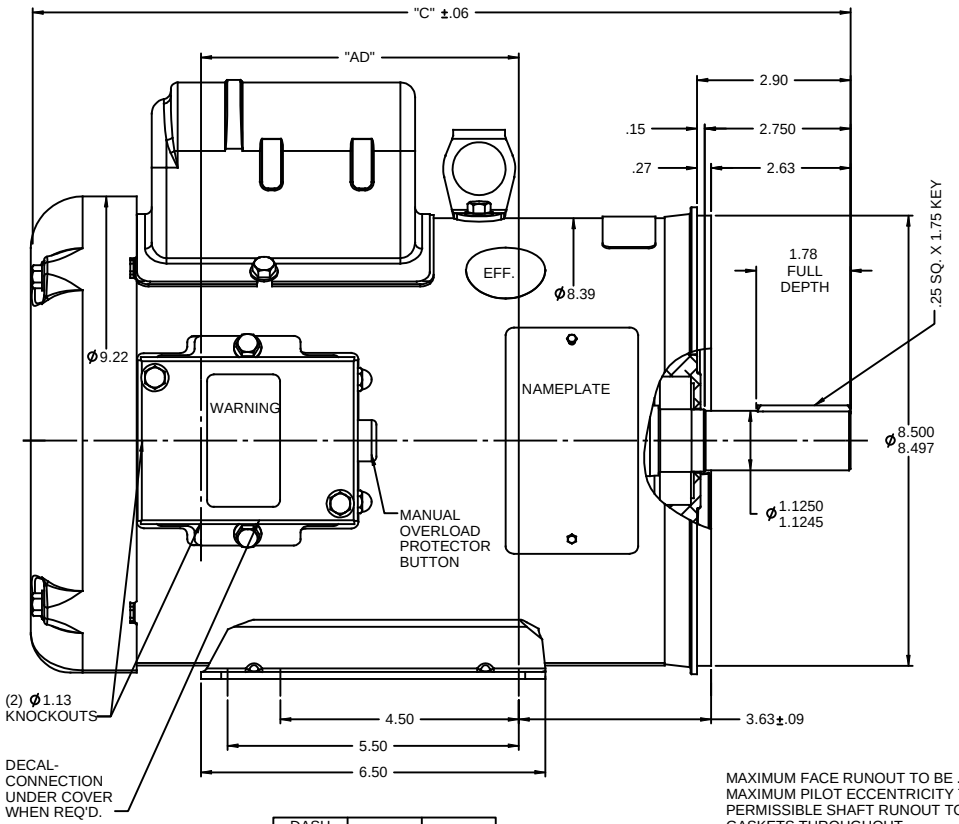
Model No: 131632.00
Catalog No: 131632.00
General Purpose Motor, 5 HP, 1 Ph, 60 Hz, 230 V, 3600 RPM, 184TC Frame, TEFC

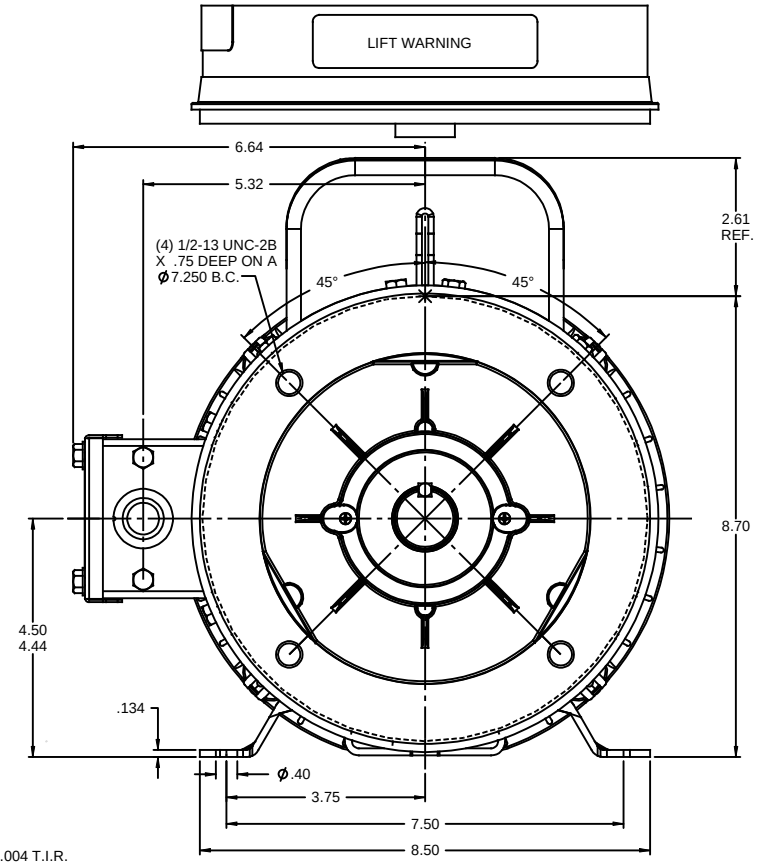
Nameplate Specifications

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	184TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Manual	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	16.97 in
Frame Length	11.50 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	035381-1150	Connection Drawing	005056.03





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.
GASKETS THROUGHOUT

DASH NO.	"C"	"AD"
850	13.97	4.50
900	14.47	5.00
950	14.97	5.50
1000	15.47	6.00
1050	15.97	6.50
1100	16.47	7.00
1150	16.97	7.50
1200	17.47	8.00

NO	REVISION	BY & DATE	CHK
-	UPDATE & REDRAWN IN SOLIDWORKS	LST 11/12/2009	XX

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

THIRD ANGLE PROJECTION

REGAL-BELOIT CORPORATION

TITLE OUTLINE - 180TC FRAME
TEFC - "C" FACE - RIGID "C"
MAT'L W/ MANUAL PROTECTOR
FINISH
RFP
PREV
NETWORK FILE NAME

DRAWN PG 10/30/97
CHK RK 10/30/97
APPR
SCALE 1:2
REF 033178
FMF
PAGE OF

SIZE B
DRAWING NO 035381
REV -

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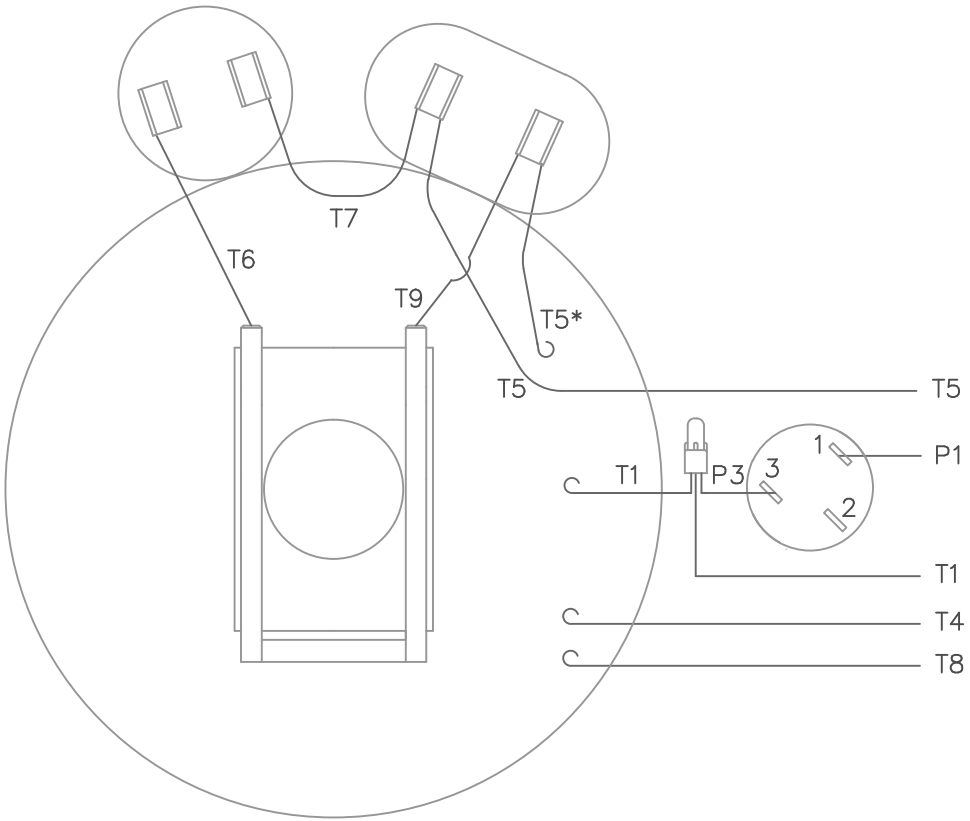
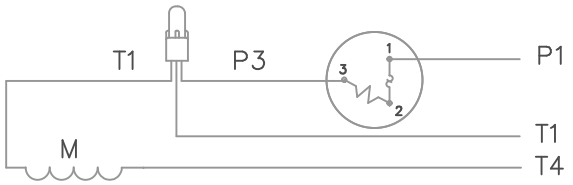
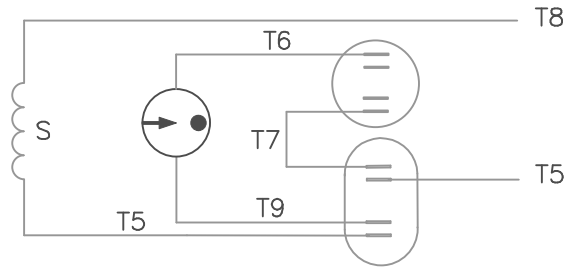
VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS





ROTATION FACING LEAD END	L1	L2	JOIN
C.C.W.	P1	T4,T5	T1,T8
C.W.	P1	T4,T8	T1,T5

* THIS LEAD MAY BE WHITE

NO.	REVISION	BY & DATE	CHK
08	ALTERNATE T5 LEAD MARKING WAS RED	RLW 8/6/02	
07	ADDED ALTERNATE T5 LEAD MARKING	RLW 5/31/02	KH
06	REDRAWN TO CAD	DBT 5/31/02	

TOLERANCES UNLESS SPECIFIED	
DEC.	INCHES
.X	±.1
.XX	±.01
.XXX	±.005
.XXXX	±.0005
ANG	±1/2°

LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES

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

MAT'L. DECAL – 004015

FINISH

CAD FILE 00505603

RFP

DIST BRF–NLV

DRAWN	WLW 08/30/76
CHK	WRK 09/24/76
APPD	
SCALE	1=1
REF	
FMF	6K17FB4
PREV	

SIZE A | DRAWING NO. 005056-03 | REV. 08

9/25/2008 4:52:22 PM

LEESON®

CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: 005056.03 **CATALOG #:** 131632.00

OUTLINE: 035381-1150 **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	184TC	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

FULL LOAD EFF:	82.5	3/4 LOAD EFF:	81.3	1/2 LOAD EFF:	77.4	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	98	3/4 LOAD PF:	98.1	1/2 LOAD PF:	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	106 LBS.

*** SUPPLEMENTAL INFORMATION ***

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

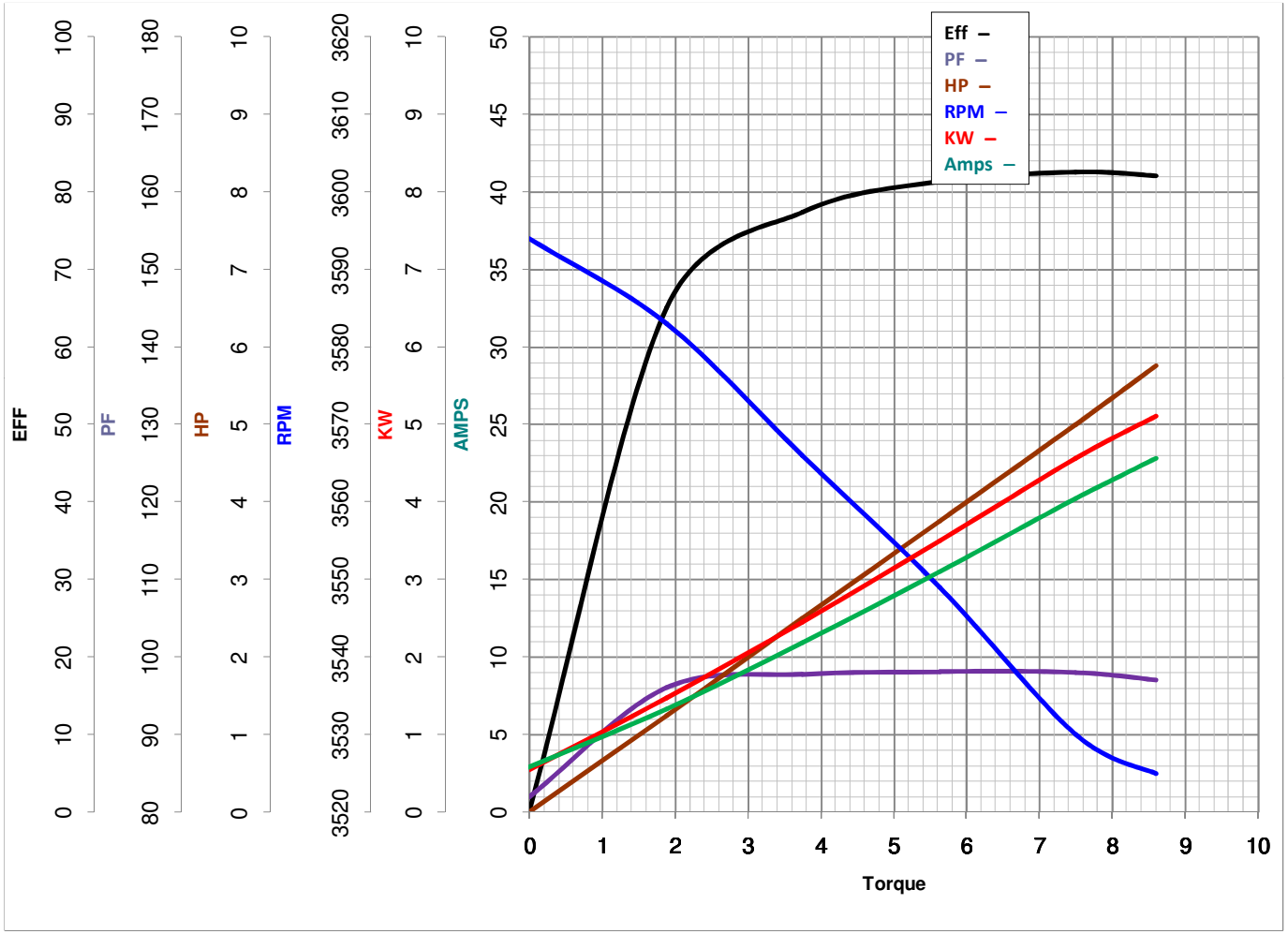
LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Curve at 230 **Volts** **HP** 5.00 **PHASE** 1
60 **HZ**
5 **HP** **VOLTS** 230

Model No 131632.00

Catalog No 131632.00 **HZ** 60 **RPM** 3500



Torque in Lb.Ft

FL TORQUE	7.5	**Lb.Ft**	**FL AMPS**	19.8	
BD TORQUE	19.4	**Lb.Ft**	**PU TORQUE**	15.8	**Lb.Ft**
LR TORQUE	16.2	**Lb.Ft**	**LR AMPS**	153	
WINDING	K8225-2			**Date**	**3/21/2018**