PRODUCT INFORMATION PACKET

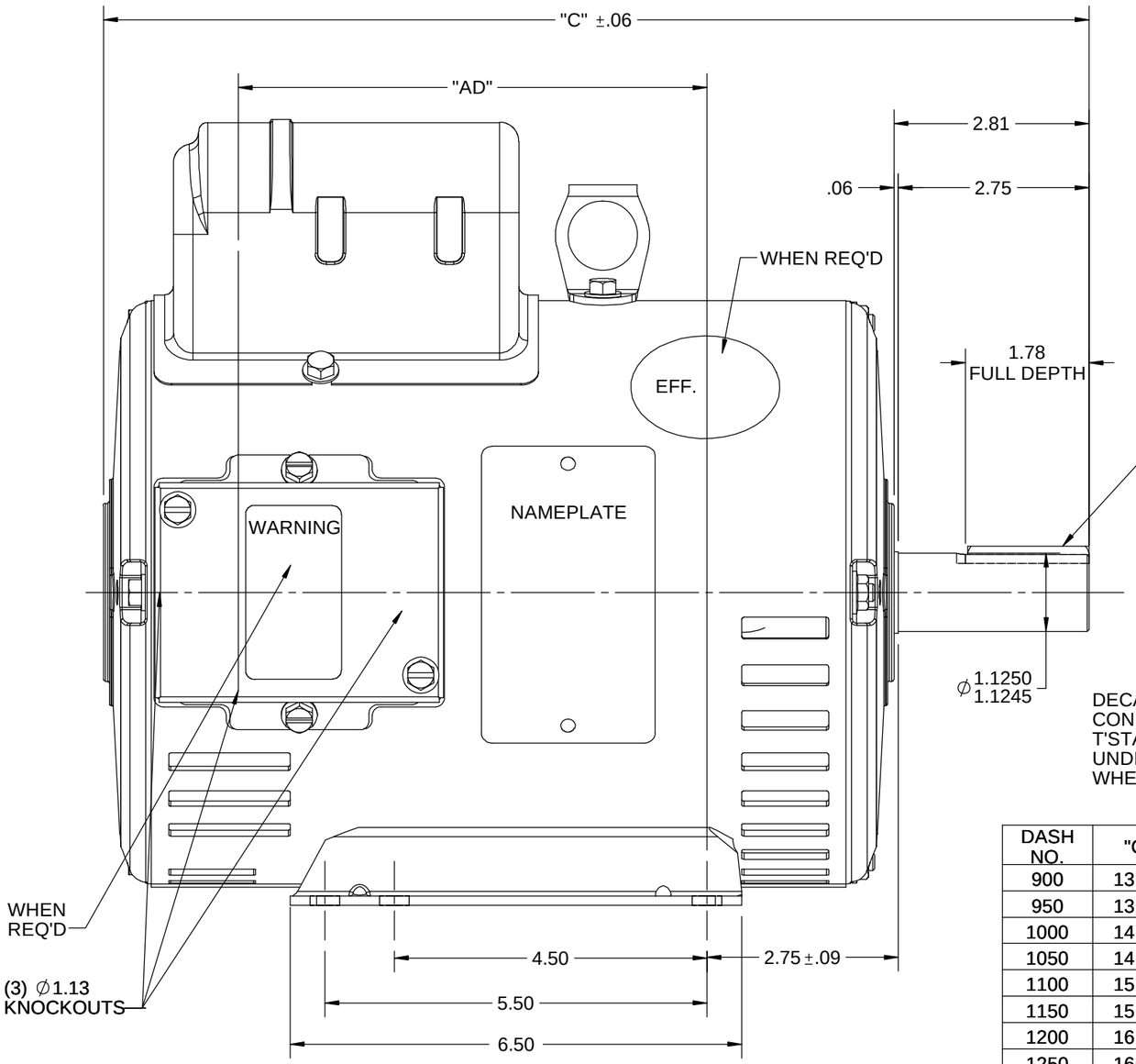
Model No: 131537.00
Catalog No: 131537.00
Air Compressor Motor, 5 HP, 1 Ph, 60 Hz, 208-230 V, 1800 RPM, 184T Frame, DP

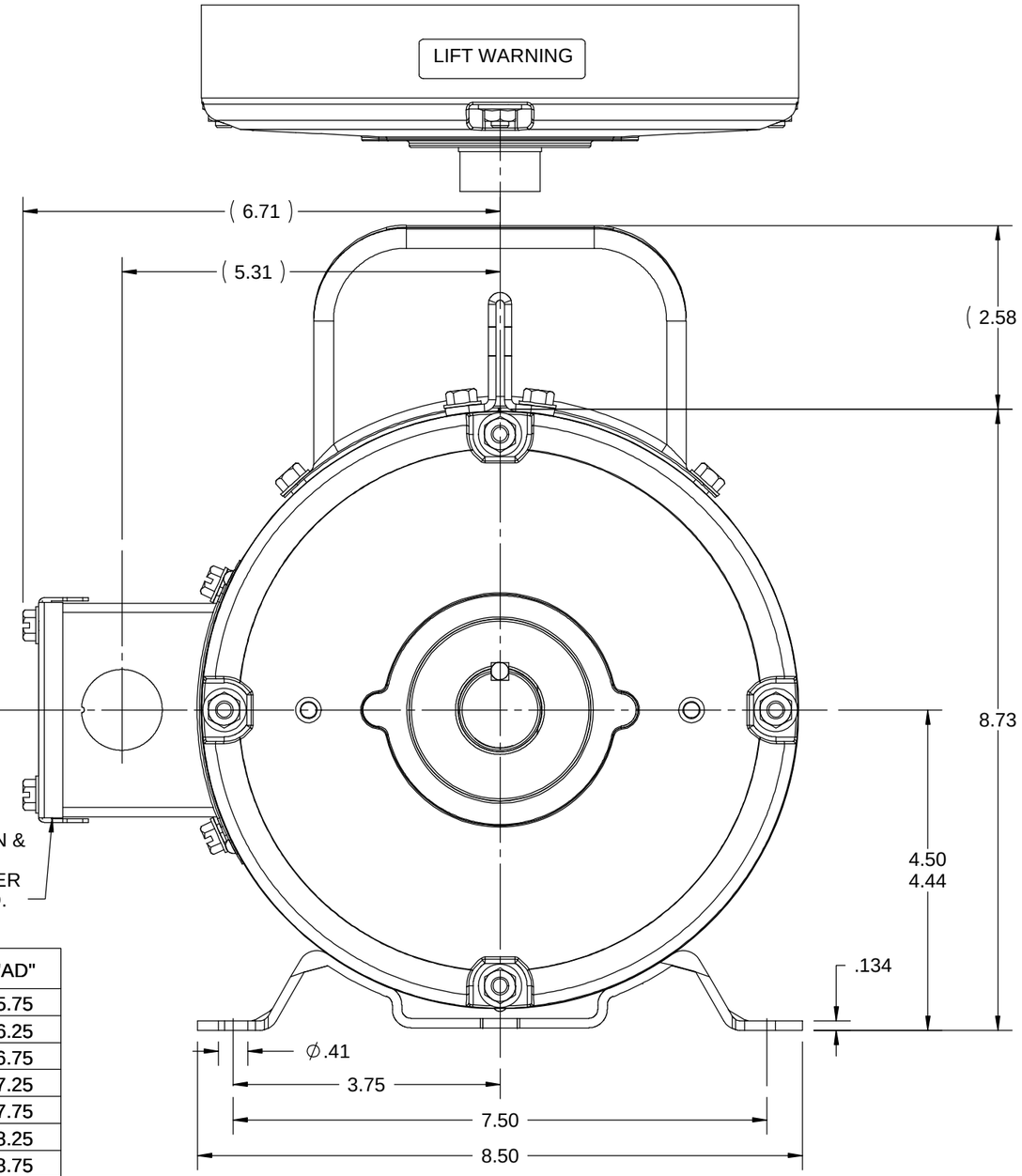
Nameplate Specifications

Output HP	5 Hp	Output KW	3.7 kW
Frequency	60 Hz	Voltage	208-230 V
Current	23.0-21.0 A	Speed	1740 rpm
Service Factor	1.15	Phase	1
Efficiency	83 %	Power Factor	94
Duty	Continuous	Insulation Class	F
Design Code	L	KVA Code	H
Frame	184T	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	12
Number of Speeds	1		

Technical Specifications

Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	.48 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	14.69 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	035370-1050





DASH NO.	"C"	"AD"
900	13.19	5.75
950	13.69	6.25
1000	14.19	6.75
1050	14.69	7.25
1100	15.19	7.75
1150	15.69	8.25
1200	16.19	8.75
1250	16.69	9.25

GASKETS THROUGHOUT

DRAWING REVISION: E	REVISION BY: NK	DATE: 8/28/18
ECO: ECO-0151575	APPROVED BY: SR	DATE: 8/28/18
ECO DESCRIPTION: WHEN REQ'D NOTE ADDED		

TOLERANCES UNLESS OTHERWISE SPECIFIED:

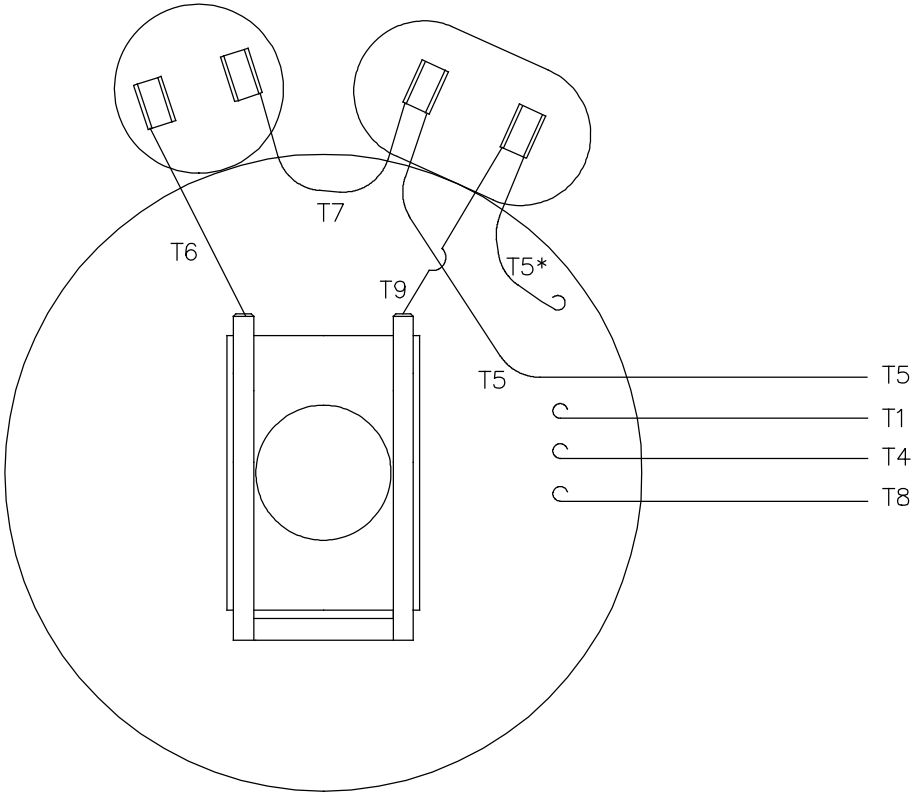
DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±0.5°
.XX	±0.01	[±0.25]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45°
CORNER FILLETS: R.02 [.51]
MACHINED SURFACES: 125 / 3.2 / INCH / mm
mm SHOWN IN [BRACKETS]

DRAWN BY: PG	REGAL™ Regal Beloit America, Inc.	
DATE: 10/02/97		
APPROVED BY	DESCRIPTION: OUTLINE DRIP PROOF - RIGID MOUNT	
DATE		
REFERENCE	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE: B / DRAWING NUMBER: 035370	SHEET: 1 OF 1

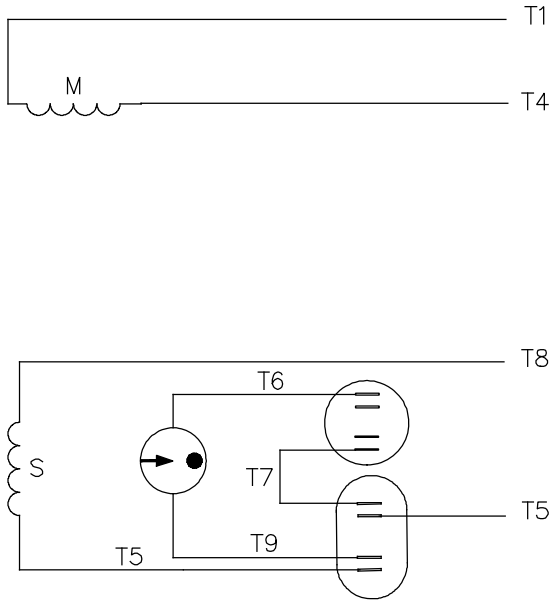
005018–01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



* THIS LEAD MAY BE WHITE

LINE LEADS



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

NO.	REVISION	BY & DATE	CHK
21	LOGO UPDATED FROM LEESON TO MARATHON	AS 07/03/19	AS
20	ALTERNATE T5 LEAD MARKING WAS RED	RLW 7/22/02	KH
19	ADDED ALTERNATE T5 LEAD MARKING	RLW 5/31/02	KH
18	REDRAWN ON CAD	DBT 06/24/97	

TOLERANCES UNLESS SPECIFIED

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

REGAL™ Regal Beloit America, Inc.

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

MAT'L. DECAL – 004018

FINISH

DRAWN ADH 02/19/74
CHK WRK 02/20/74
APPD JCW 02/20/74
SCALE 1=1
REF
FMF
PREV

RFP

DIST BRF–NLV

CAD FILE 00501801

SIZE	DRAWING NO.	REV.
A	005018–01	21

LEESON

CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: 005018.01

CATALOG #: 131537.00

OUTLINE: 035370-1050

MOUNTING: F1 ONLY

WINDING #: K8450 DR 2 A

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
5	3.73	1800	1740	184T	DP	H	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	208-230	23-21	ACROSS THE LINE	CONTINUOUS	F4	1.15	40

FULL LOAD EFF:	83	3/4 LOAD EFF:	81.9	1/2 LOAD EFF:	77.2	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	94	3/4 LOAD PF:	93.5	1/2 LOAD PF:	89.6	80	CAP START CAP RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
15 LB-FT	138	41.1 LB-FT 242 %	32.5 LB-FT 191 %	72

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	0.46 LB-FT^2	0.5 LB-FT^2	10 SEC.	0	86 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

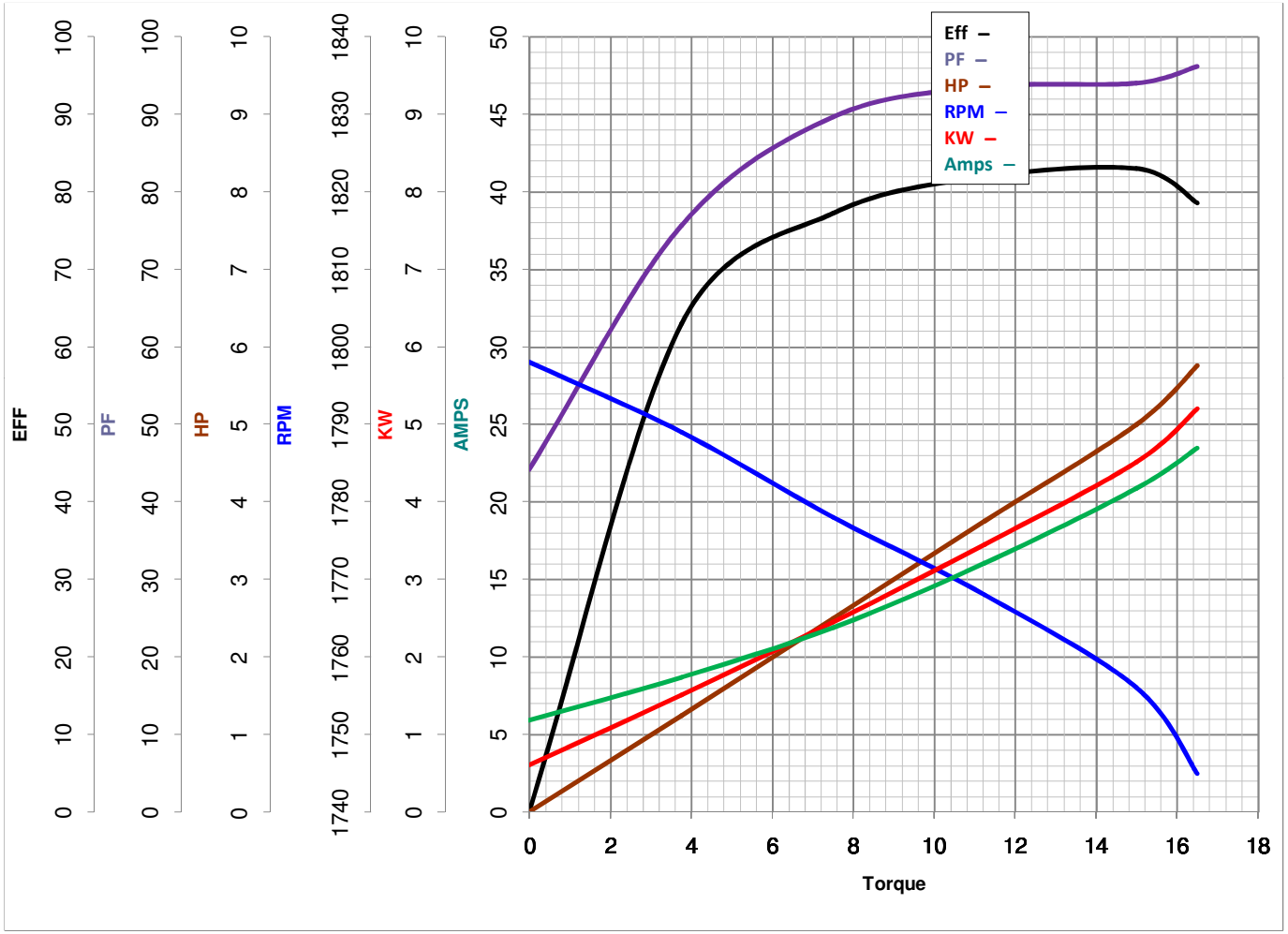
LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

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

Model No 131537.00

Catalog No 131537.00 **HZ** 60 **RPM** 1740



Torque in Lb.Ft

FL TORQUE	15	**Lb.Ft**	**FL AMPS**	23-21	
BD TORQUE	32.5	**Lb.Ft**	**PU TORQUE**	28.9	**Lb.Ft**
LR TORQUE	41.1	**Lb.Ft**	**LR AMPS**	138	
WINDING	K8450-2			**Date**	**3/26/2018**