

PRODUCT INFORMATION PACKET



Model No: 131778.00

Catalog No: 131778.00

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



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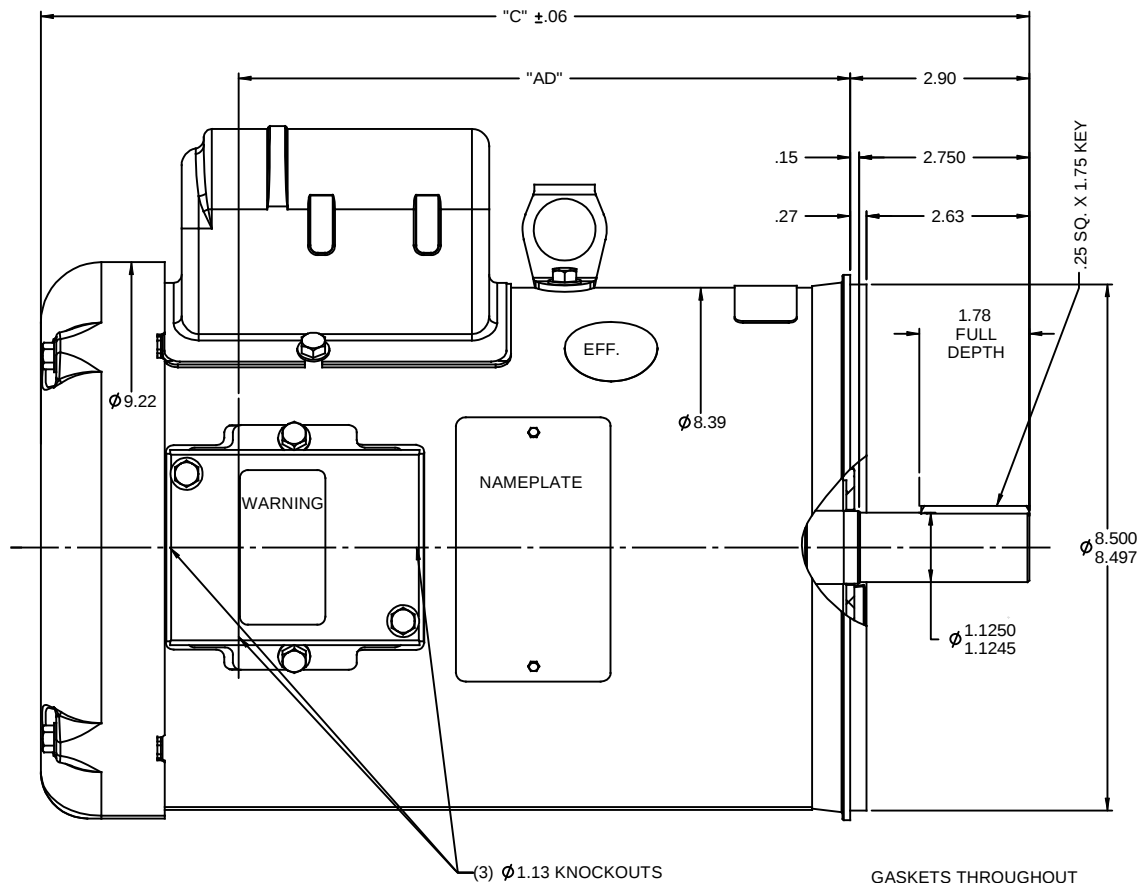


Nameplate Specifications

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	184TC	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		

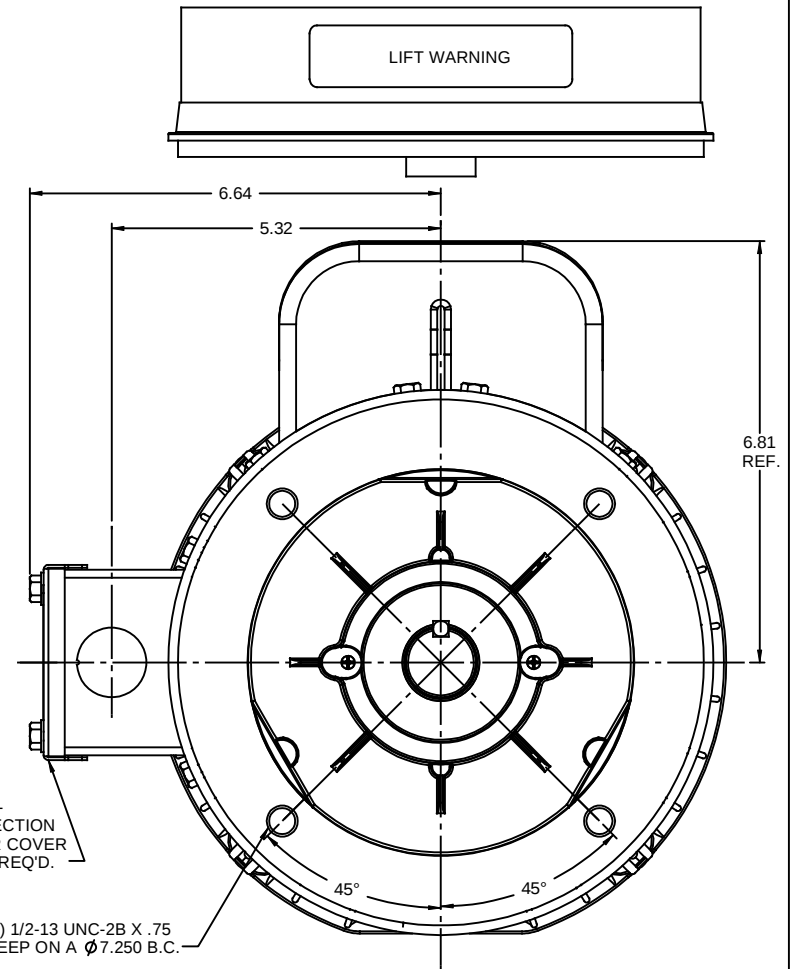
Technical Specifications

Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	2	Rotation	Selective Counterclockwise
Resistance Main	.342 Ohms	Mounting	Round
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
Connection Drawing	005018.01	Outline Drawing	035746-1150



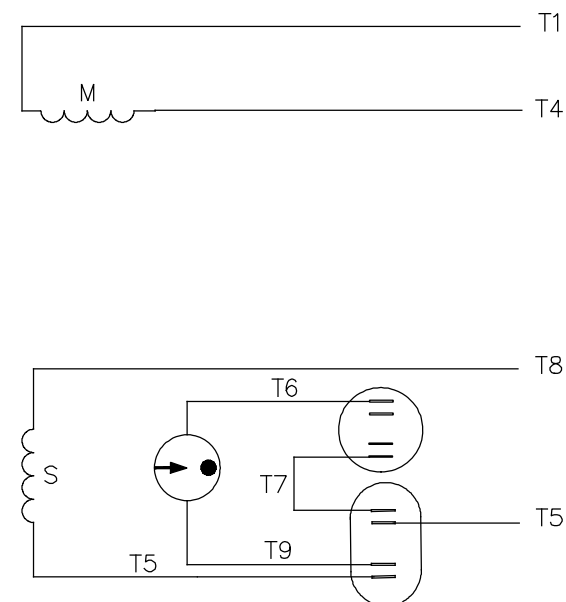
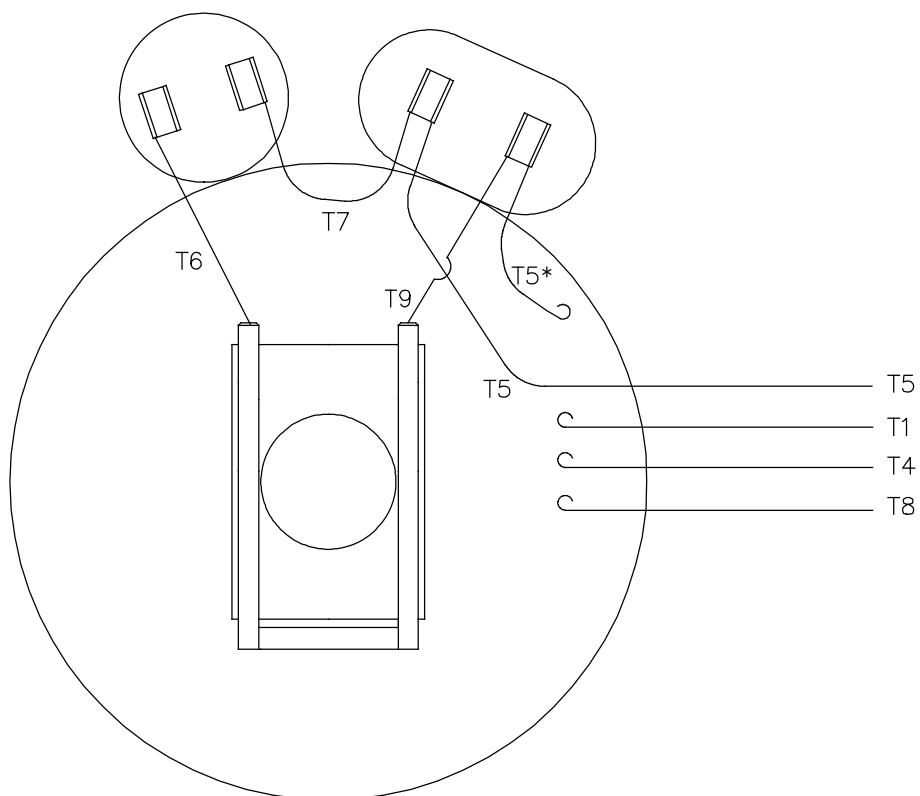
DASH NO.	"C"	"AD"
800	13.47	7.38
850	13.97	7.88
900	14.47	8.38
950	14.97	8.88
1000	15.47	9.38
1050	15.97	9.88
1100	16.47	10.38
1150	16.97	10.88
1200	17.47	11.38

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.



		TOLERANCES UNLESS SPECIFIED		DRAWN LST 1/9/10	
		DEC	INCHES	CHK	
		X	±.1	APPR	
		XX	±.03	SCALE 1:2	
		XXX	±.005	REF	
		XXXX	±.0005	FMF	
		MAT'L		PAGE OF	
NO	REVISION	BY & DATE	CHK ANG ±1/2°	FINISH	REV
			RFP	PREV	
			NETWORK FILE NAME	SIZE B	DRAWING NO 035746

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		 Regal 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 #: 131778.00

CONN. DIAGRAM: 005018.01

OUTLINE: 035746-1150

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	84 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

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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

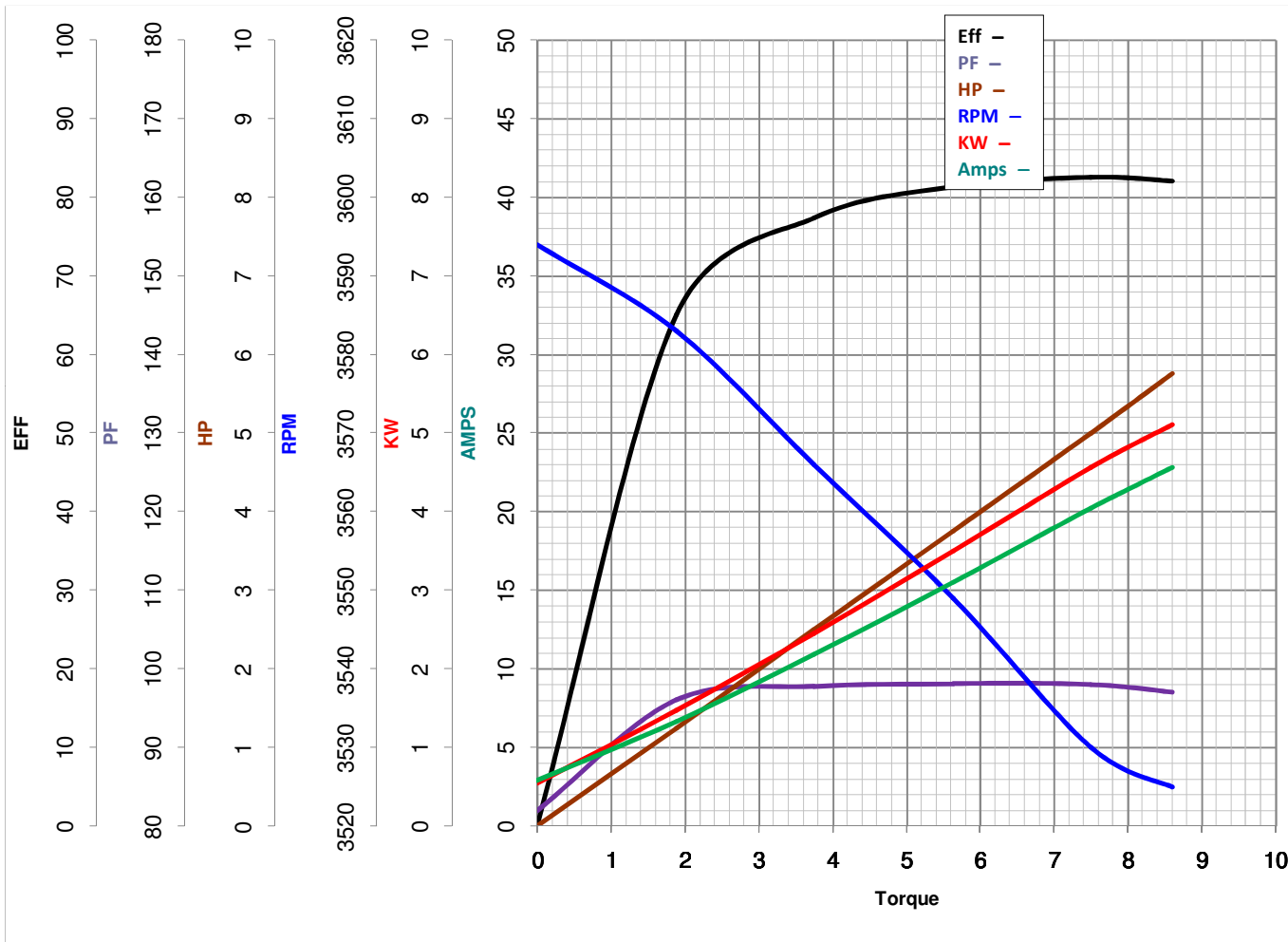
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LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Curve at

230
60
5

Volts
HZ
HP
HP 5.00VOLTS 230HZ 60PHASE 1RPM 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 153

WINDING K8225-2

Date 4/9/2018