

# PRODUCT INFORMATION PACKET



Model No: 121060.00  
Catalog No: 121060.00  
General Purpose Motor, 3 HP, 1 Ph, 60 Hz, 230 V, 3600 RPM, 145TC Frame, TEFC



Regal and Leeson are trademarks of Regal Rexnord Corporation or one of its affiliated companies.  
©2022 Regal Rexnord Corporation, All Rights Reserved. MC017097E





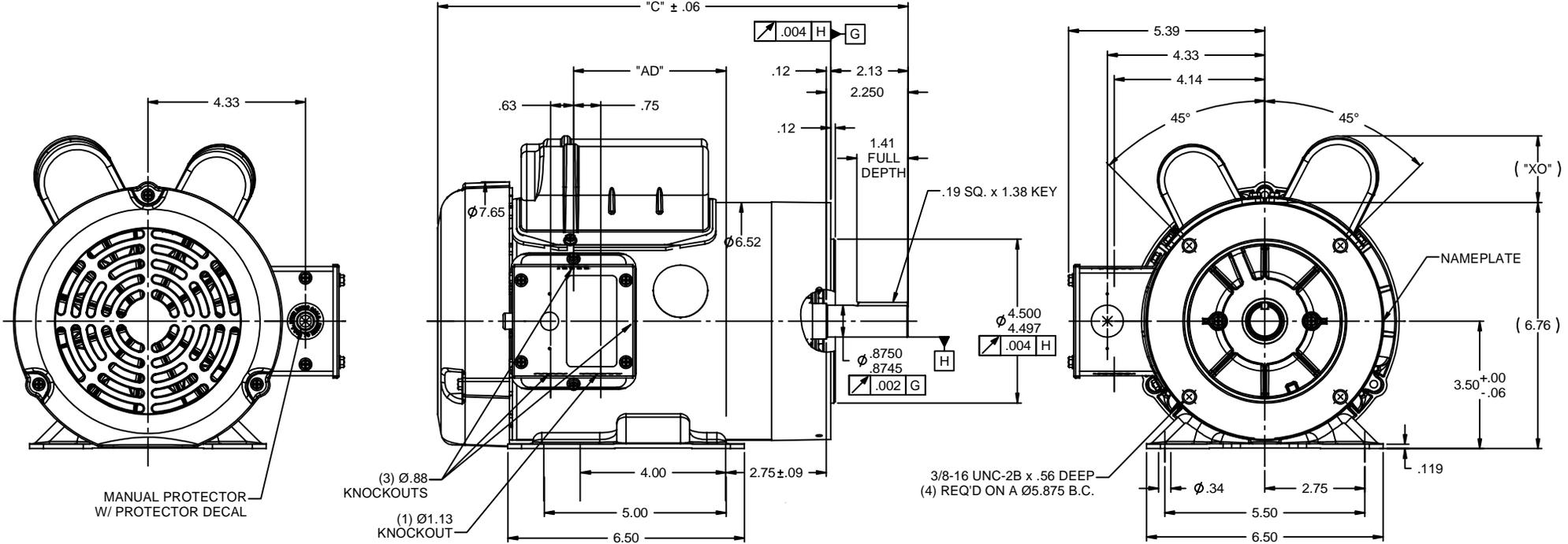
### Nameplate Specifications

Output HP	<b>3 Hp</b>	Output KW	<b>2.2 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>230 V</b>
Current	<b>13.0 A</b>	Speed	<b>3450 rpm</b>
Service Factor	<b>1</b>	Phase	<b>1</b>
Efficiency	<b>81.5 %</b>	Power Factor	<b>91</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>L</b>	KVA Code	<b>J</b>
Frame	<b>145TC</b>	Enclosure	<b>Totally Enclosed Fan Cooled</b>
Thermal Protection	<b>Manual</b>	Ambient Temperature	<b>40 °C</b>
Drive End Bearing Size	<b>6205</b>	Opp Drive End Bearing Size	<b>6203</b>
UL	<b>Recognized ( Not Protector)</b>	CSA	<b>N</b>
CE	<b>N</b>	IP Code	<b>54</b>
Number of Speeds	<b>1</b>		

### Technical Specifications

Electrical Type	<b>Capacitor Start Capacitor Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>2</b>	Rotation	<b>Selective Counterclockwise</b>
Resistance Main	<b>.52 Ohms</b>	Mounting	<b>Rigid Base</b>
Motor Orientation	<b>Horizontal</b>	Drive End Bearing	<b>Ball</b>
Opp Drive End Bearing	<b>Ball</b>	Frame Material	<b>Rolled Steel</b>
Shaft Type	<b>T</b>	Overall Length	<b>14.43 in</b>
Frame Length	<b>8.50 in</b>	Shaft Diameter	<b>0.875 in</b>
Shaft Extension	<b>2.25 in</b>	Assembly/Box Mounting	<b>F1 ONLY</b>
Connection Drawing	<b>005056.03</b>	Outline Drawing	<b>028804-850C</b>

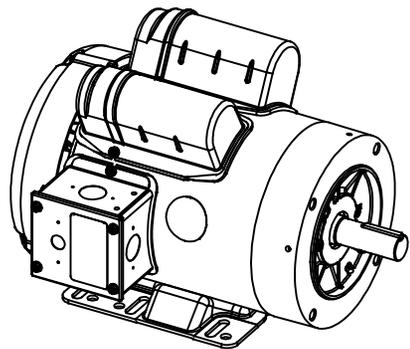
RBC PROPRIETARY AND CONFIDENTIAL INFORMATION  
 This document is the property of REGAL BELOIT CORPORATION ("RBC") including its subsidiaries and divisions and contains proprietary information of RBC. This document is loaned on the express condition that neither it nor the information contained therein shall be disclosed to others without the express written consent of RBC, and that the information shall be used by the recipient only as approved expressly by RBC. This document shall be returned to RBC upon its request. This document may be subject to certain restrictions under U.S. export control laws and regulations.



MANUAL PROTECTOR  
W/ PROTECTOR DECAL

(3) Ø.88  
KNOCKOUTS  
(1) Ø1.13  
KNOCKOUT

3/8-16 UNC-2B x .56 DEEP  
(4) REQ'D ON A Ø5.875 B.C.



DASH NO.	"C"	"AD"	CAP DASH	"XO"
700	12.93	4.19	A	1.15
750	13.43	4.69	B	1.60
800	13.93	5.19	C	1.82
850	14.43	5.69		

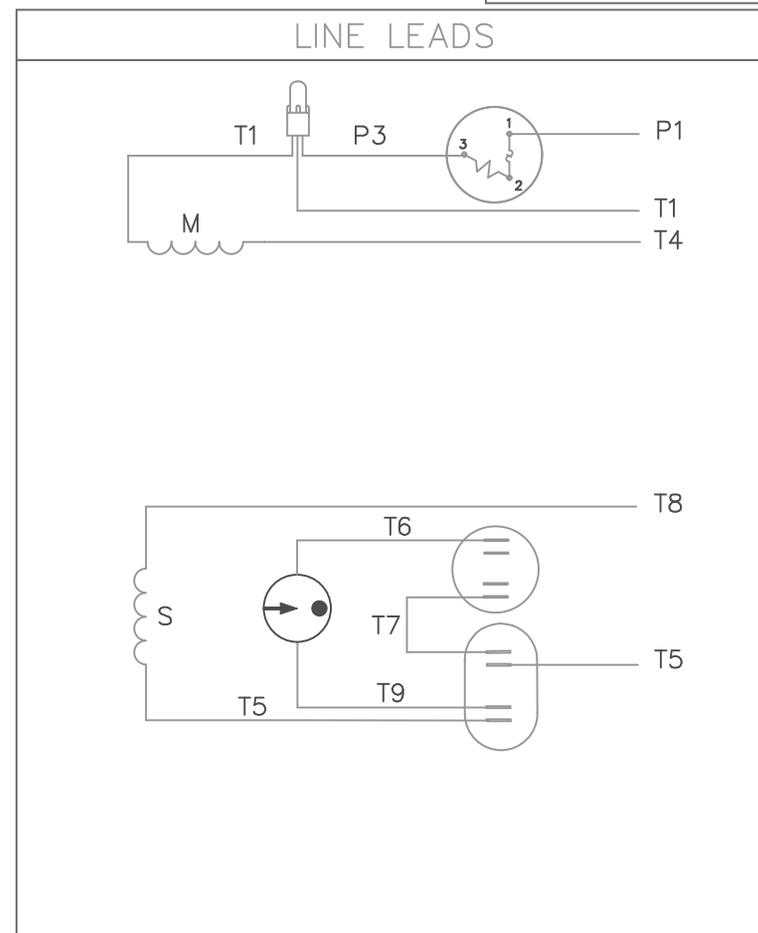
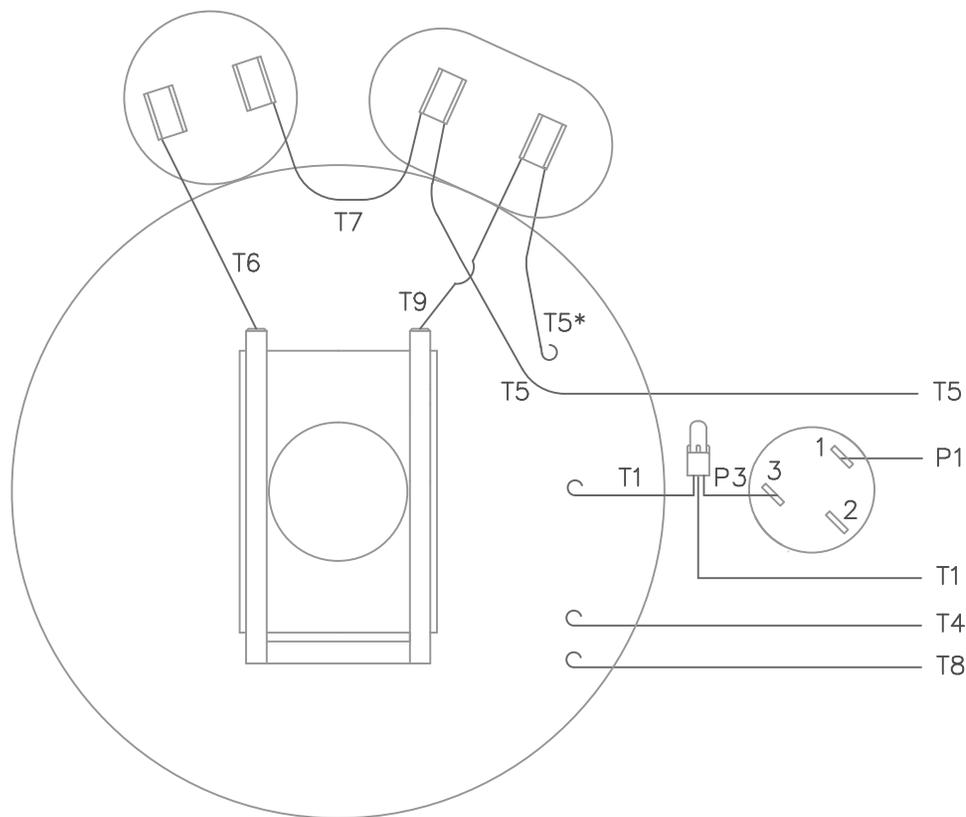
NOTE:  
1) GASKETS THROUGHOUT

TOLERANCES UNLESS SPECIFIED		TITLE	DRAWN
DEC	INCHES		
x	±.1	OUTLINE - 140TC FRAME TEFC - RIGID "C" FACE	CHK
.xx	±.03		APPR
.xxx	±.005		SCALE 3:8
.xxxX	±.0005		REF 028590
NO	REVISION	MATL	FMF 121060.00
	BY & DATE	FINISH	PAGE OF
	THIRD ANGLE PROJECTION	RFP	REV
		PREV	SIZE B
	NETWORK FILE NAME		DRAWING NO 028804



ELECTRIC MOTORS  
GEARMOTORS  
AND DRIVES

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



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

			TOLERANCES UNLESS SPECIFIED		LEESON	ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN WLW 08/30/76		
			DEC.	INCHES				CHK WRK 09/24/76	
			.X	±.1			APPD		
08	ALTERNATE T5 LEAD MARKING WAS RED	RLW 8/6/02	.XX	±.01	TITLE	EXTERNAL WIRING DIAGRAM TYPE "K" W/ PROTECTOR	SCALE 1=1		
07	ADDED ALTERNATE T5 LEAD MARKING	RLW 5/31/02	KH	±.005			REF		
06	REDRAWN TO CAD	DBT 5/31/02		±.0005	MAT'L.	DECAL - 004015	FMF 6K17FB4		
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	00505603	SIZE A	DRAWING NO. 005056-03	REV. 08
			DIST	BRF-NLV					



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

**CERTIFICATION DATA SHEET**

**CONN. DIAGRAM:** 005056.03  
**OUTLINE:** 028804-850C  
**WINDING #:** K632129 FR 2 A

**CATALOG #:** 121060.00  
**MOUNTING:** F1 ONLY

**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3	2.24	3600	3450	145TC	TEFC	J	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	230	13	ACROSS THE LINE	CONTINUOUS	F4	1.0	40

FULL LOAD EFF:	81.5	3/4 LOAD EFF:	81.3	1/2 LOAD EFF:	77.3	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	91	3/4 LOAD PF:	88.2	1/2 LOAD PF:	81	78.5		CAP START CAP RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
4.5 LB-FT	100	12.5 LB-FT 278 %	13.5 LB-FT 300 %	80

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.1 LB-FT^2	0 LB-FT^2	0 SEC.	0	54 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	1144 STRESSPROOF (C-223)	ROLLED STEEL
6205	6203						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	MANUAL	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

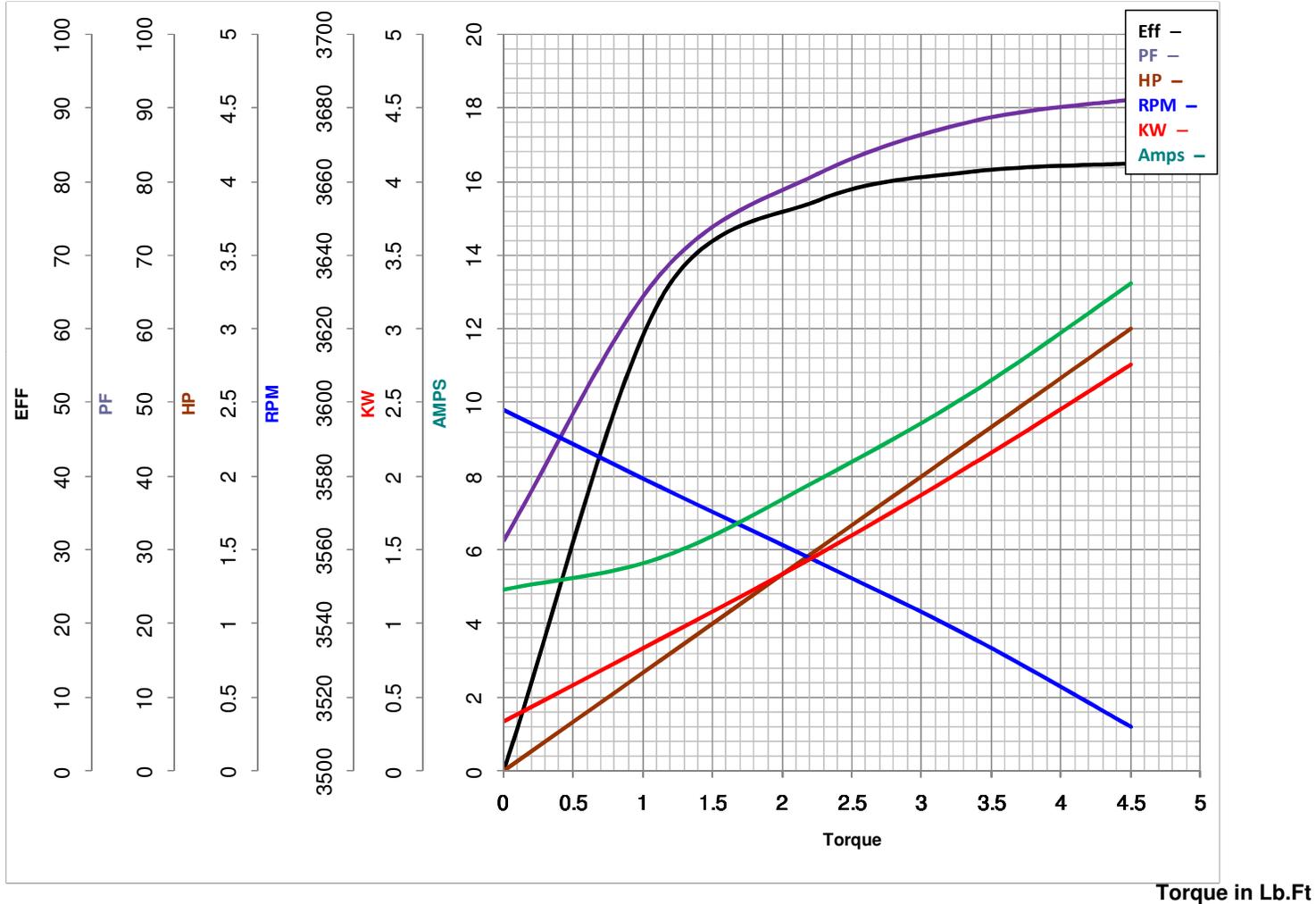


**LEESON ELECTRIC CORPORATION**  
TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 121060.00

Catalog No 121060.00

Curve at 230 Volts      HP 3.00      PHASE 1  
60 HZ  
3 HP      VOLTS 230  
HZ 60      RPM 3450



FL TORQUE	<u>4.5</u>	Lb.Ft	FL AMPS	<u>13</u>	
BD TORQUE	<u>13.5</u>	Lb.Ft	PU TORQUE	<u>12.0</u>	Lb.Ft
LR TORQUE	<u>12.5</u>	Lb.Ft	LR AMPS	<u>100</u>	
WINDING	K632129-2		Date	<u>4/12/2018</u>	