

PRODUCT INFORMATION PACKET



Model No: 116486.00

Catalog No: 116486.00

General Purpose Motor, 0.50 HP, 1 Ph, 60 Hz, 115/230 V, 1800 RPM, 56C Frame, TEFC

Operational at 115/208-230 V @60HZ



Regal and Leeson are trademarks of Regal Rexnord Corporation or one of its affiliated companies.

©2023 Regal Rexnord Corporation, All Rights Reserved. MC017097E



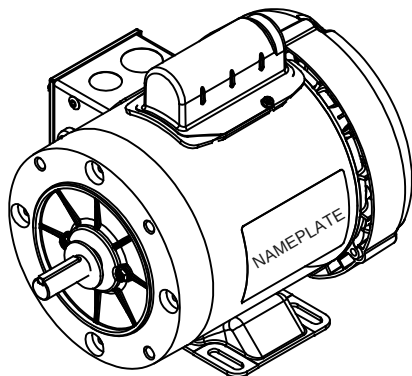
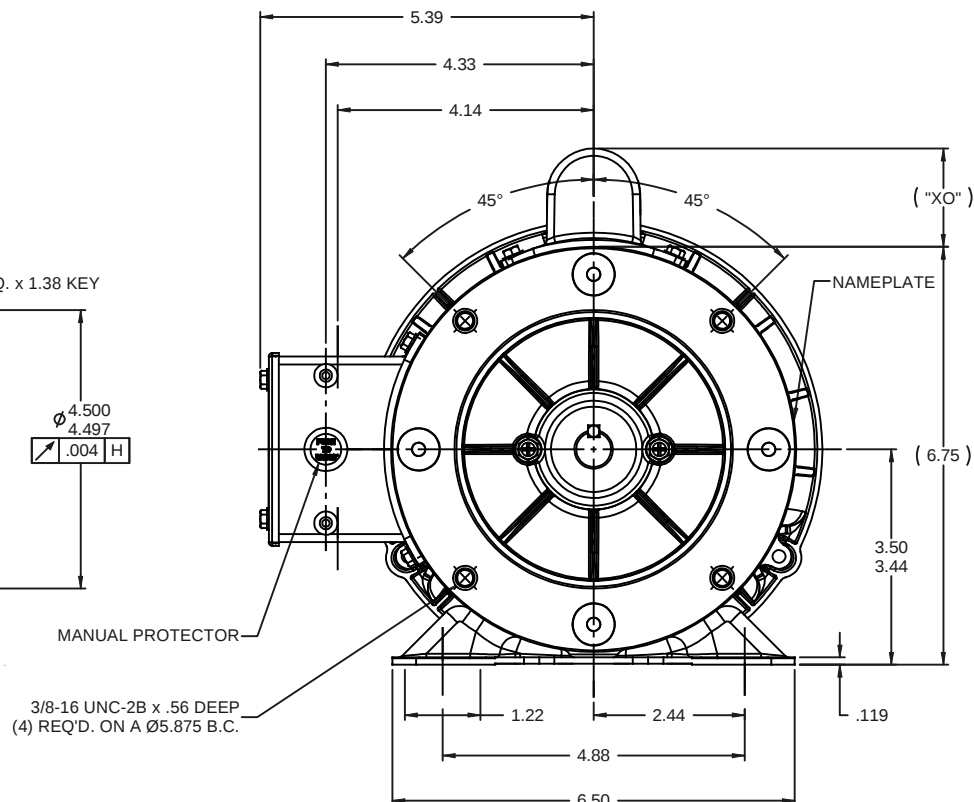
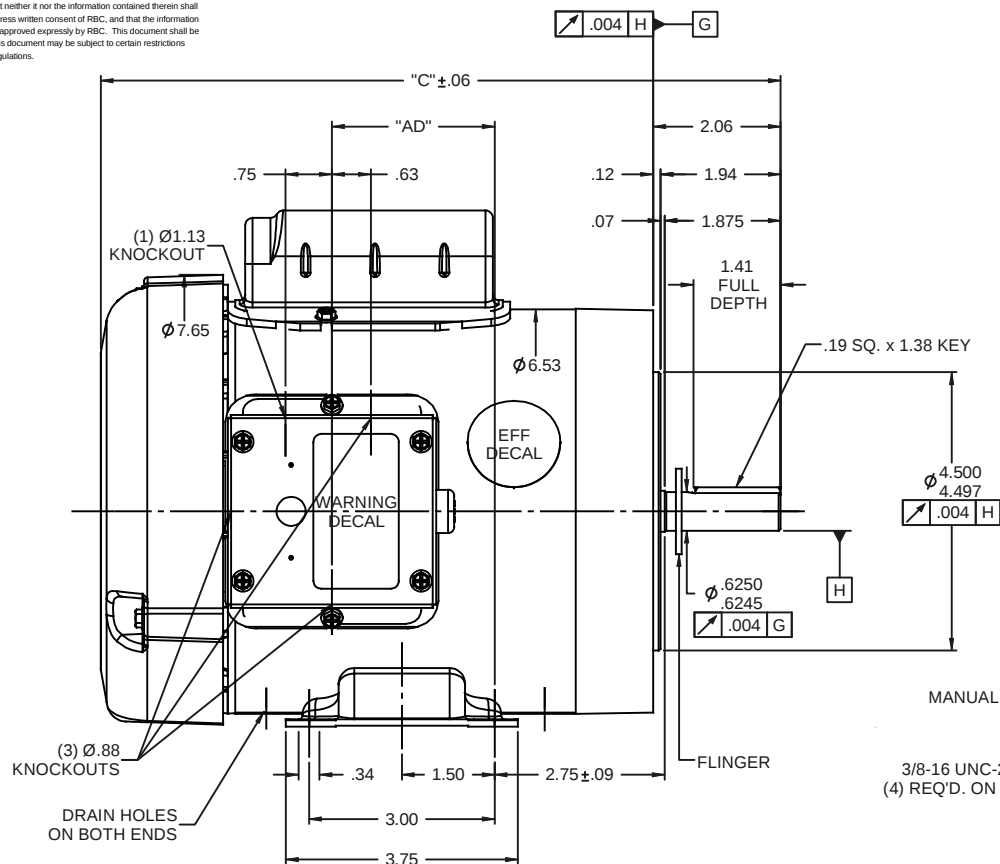


Nameplate Specifications

Phase	1	Output HP	0.50 Hp
Output KW	0.37 kW	Voltage	115/230 V
Speed	1725 rpm	Service Factor	1.15
Frame	56C	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Manual	Efficiency	66 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	8.8/4.4 A	Power Factor	58
Duty	Continuous	Insulation Class	B
Design Code	N	KVA Code	L
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	N	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	3.4 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	10.99 in
Frame Length	5.50 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	028914-550A	Connection Drawing	005003.03

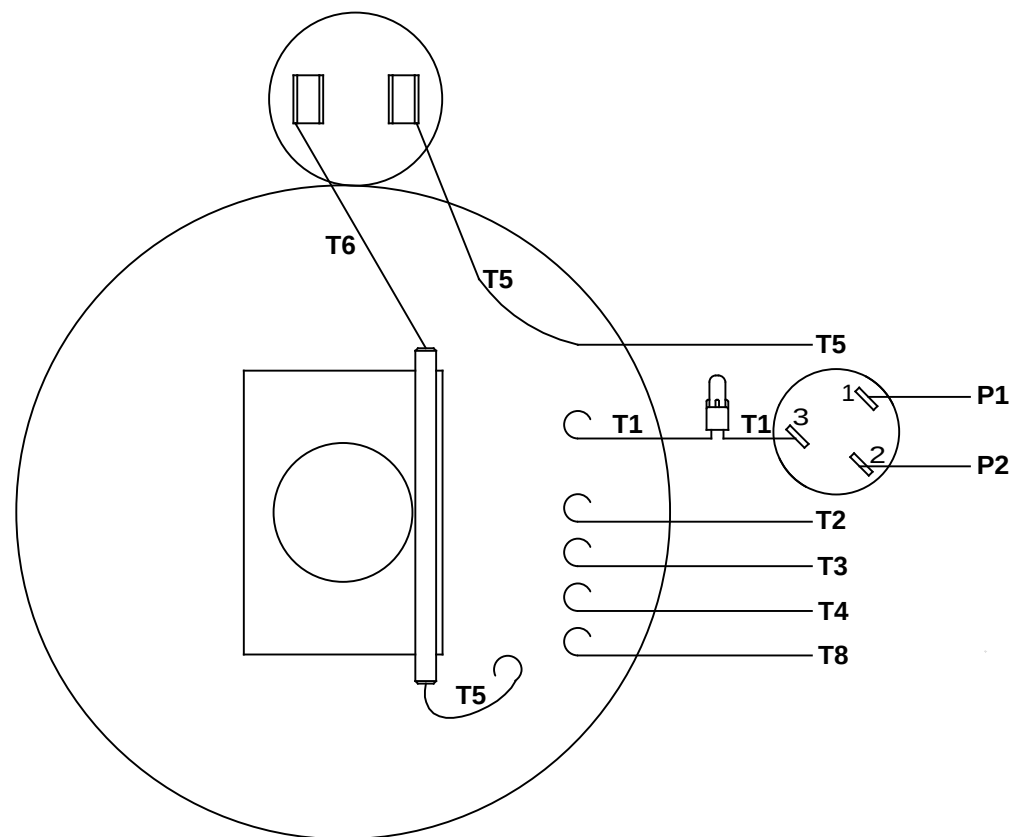


DASH NO.	"C"	"AD"		
550	10.99	2.63		
600	11.49	3.13		
650	11.99	3.63	CAP. DASH	"XO"
700	12.49	4.13	A	1.61
750	12.99	4.63	B	2.08
800	13.49	5.13	C	2.32

SPECIAL FEATURES:
1) GASKETS THROUGHOUT
2) MANUAL PROTECTOR
3) FLINGER ON SHAFT

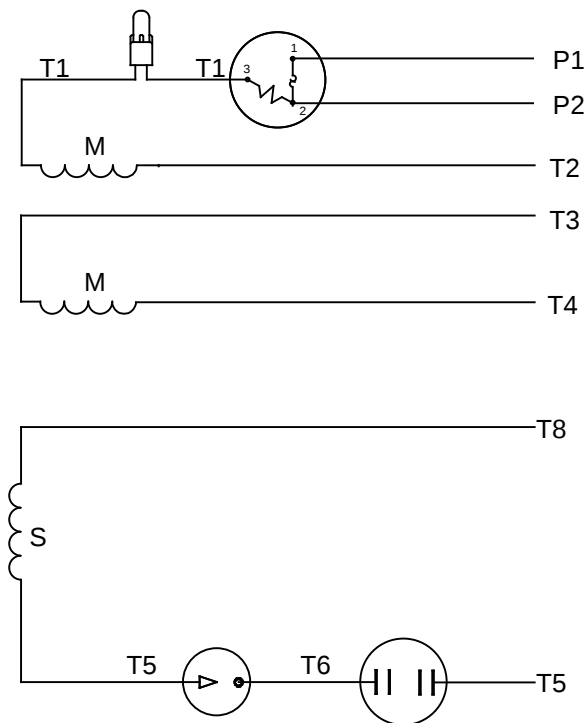
		TOLERANCES (UNLESS SPECIFIED)		 ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN GRB 12/05/08	
		DEC INCHES				CHK DJ 12/05/08	
		X ±.1				APPR DJ 12/05/08	
		XX ±.03				SCALE 1:2	
		XXX ±.005		TITLE OUTLINE - 56C FRAME TEFC - RIGID "C" FACE		REF 028578	
		XXXX ±.0005		MATL FARM DUTY		FMF 116486.00	
NO REVISION		BY & DATE		CHK ANG ±1/2°		FINISH	
THIRD ANGLE PROJECTION				RFP 12/05/08		PREV	
		NETWORK FILE NAME		SIZE B		DRAWING NO 028914	

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END



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.

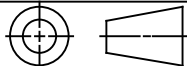
LINE LEADS



	ROTATION FACING LEAD END	L1	L2	JOIN	INSULATE SEPARATELY
HIGH VOLT	C.C.W.	P1	T4 T5	T2,T3 T8	P2
	C.W.	P1	T4 T8	T2,T3 T5	P2
LOW VOLT	C.C.W.	P1	T2,T4 T5	P2,T3 T8	---
	C.W.	P1	T2,T4 T8	P2,T3 T5	---

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN WLW 08/20/79		
				DEC	INCHES		CHK	ADN 08/27/76	
				.X	±.1		APPR	WRK 08/27/76	
				.XX	±.01		TITLE EXTERNAL WIRING DIAGRAM		
				.XXX	±.005		TYPE "C" W/PROTECTOR		
06	REDRAWN IN SOLIDWORKS	VJB 7/22/2011		.XXX	±.005	SCALE 1:1			
05	REDRAWN ON CAD	DBT 05/27/97		.XXXX	±.0005	REF			
						MAT'L DECAL - 004011			
NO	REVISION	BY & DATE	CHK	ANG	±1/2°	FINISH			
						PAGE OF			
			RFP		PREV		SIZE	DRAWING NO	REV
			NETWORK FILE NAME		00500303		A	005003-03	06

THIRD ANGLE
PROJECTION





CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: 005003.03

CATALOG #: 116486.00

OUTLINE: 028914-550A

MOUNTING: F1 ONLY

WINDING #: C634257 FR 3 A

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/2	0.37	1800	1725	56C	TEFC	L	N

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/208-230	8.8/4.4	ACROSS THE LINE	CONTINUOUS	B4	1.15	40

FULL LOAD EFF:	66	3/4 LOAD EFF:	59.3	1/2 LOAD EFF:	50.7	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	58	3/4 LOAD PF:	51.7	1/2 LOAD PF:	42.9	62		CAP START IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
24 OZ-FT	40.6 / 20.3	86.4 OZ-FT 357 %	67.3 OZ-FT 272 %	84

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
52 dba	62 dba	0.06 LB-FT^2	0 LB-FT^2	10 SEC.	0	24 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	RED - LEESON FARM DUTY

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	STANDARD 56	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6203	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

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

Model No 116486.00Catalog No 116486.00

Curve at

230

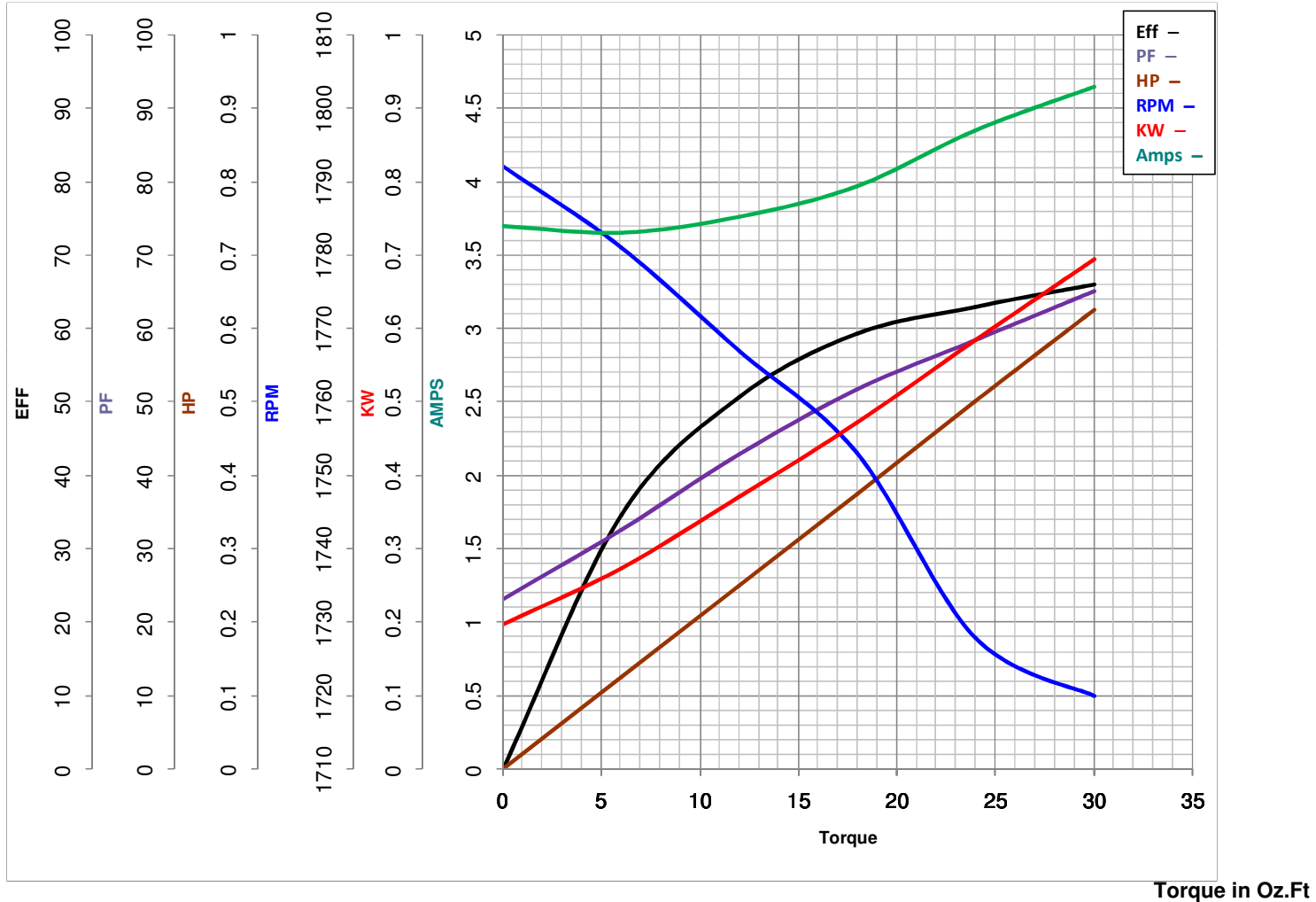
Volts

HP 0.50PHASE 160

HZ

0.5

HP

VOLTS 115/208-230HZ 60RPM 1725

FL TORQUE 24 Oz.Ft
 BD TORQUE 67.3 Oz.Ft
 LR TORQUE 86.4 Oz.Ft

WINDING C634257-3

FL AMPS 8.8/4.4
 PU TORQUE 64.5 Oz.Ft
 LR AMPS 20.28

Date 4/12/2018