

PRODUCT INFORMATION PACKET



Model No: 115048.00
Catalog No: 115048.00
General Purpose Motor, 3 HP, 1 Ph, 60 Hz, 230 V, 3600 RPM, 56HC Frame, TEFC

Operational at 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



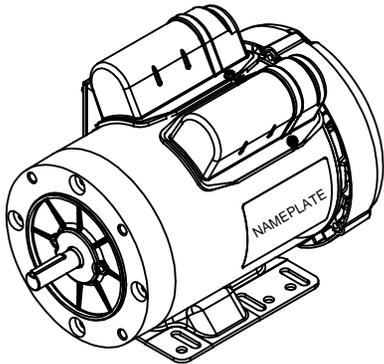
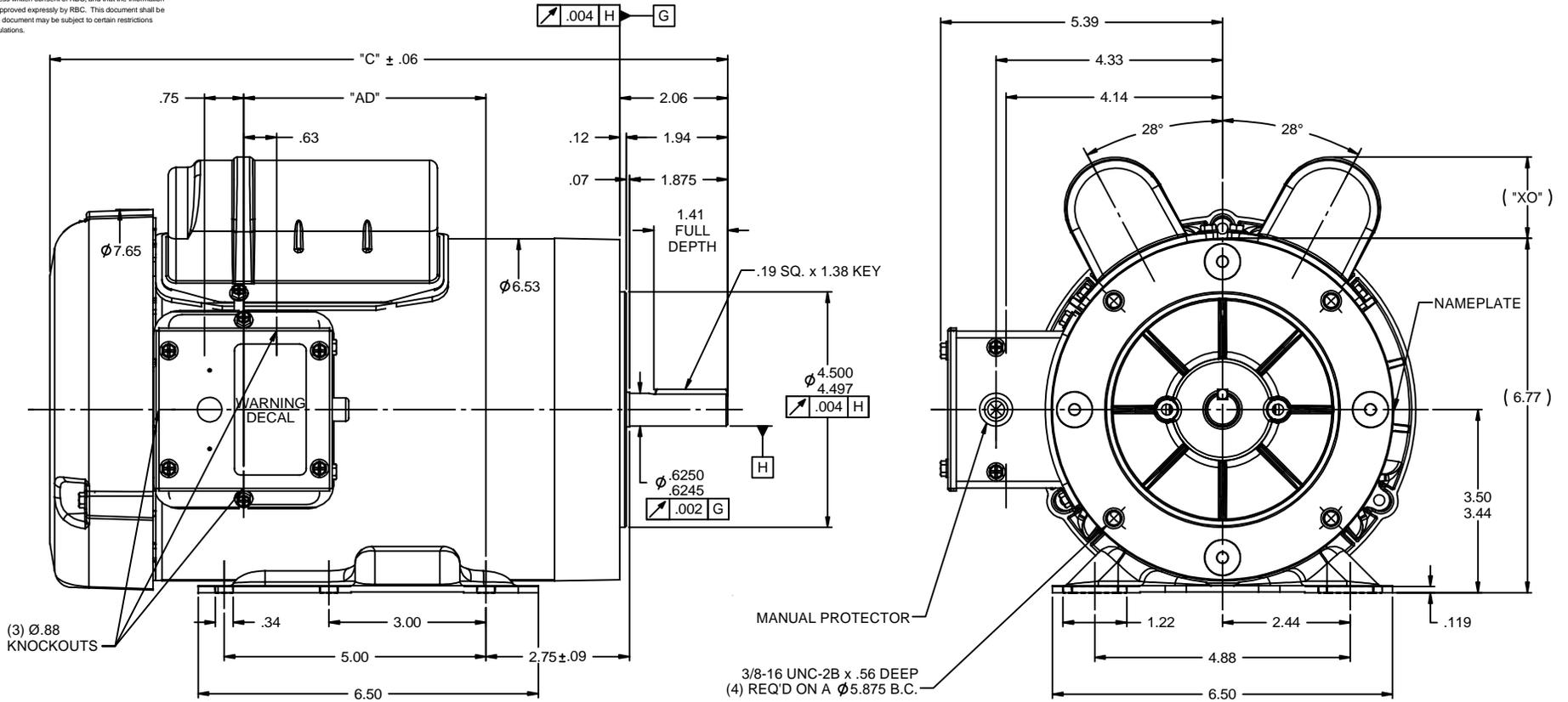


Nameplate Specifications

Phase	1	Output HP	3 Hp
Output KW	2.2 kW	Voltage	230 V
Speed	3450 rpm	Service Factor	1.00
Frame	56HC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Manual	Efficiency	81.5 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	13.0 A	Power Factor	91
Duty	Continuous	Insulation Class	F
Design Code	L	KVA Code	J
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 Capacitor Run	Starting Method	Across The Line
Poles	2	Rotation	Selective Counterclockwise
Resistance Main	.52 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	13.98 in
Frame Length	8.50 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005056.03	Outline Drawing	028882-850C



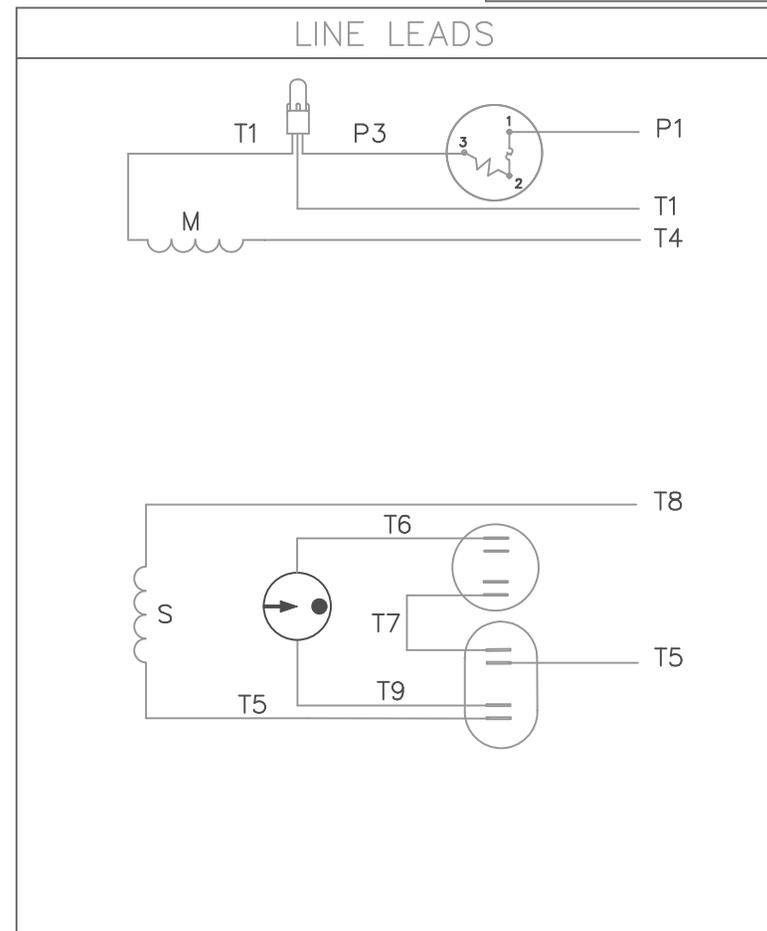
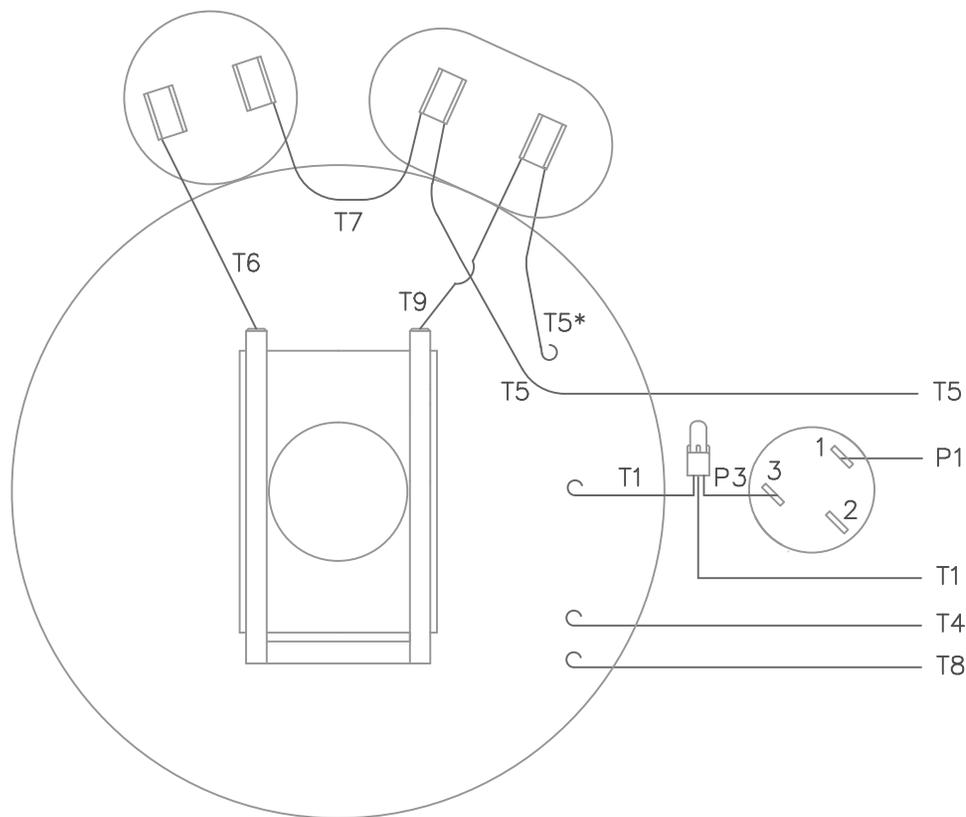
DASH NO.	"C"	"AD"	CAP. DASH	"XO"
700	12.48	4.13	A	1.06
750	12.98	4.63	B	1.51
800	13.48	5.13	C	1.73
850	13.98	5.63		

NOTES:
 1) GASKETS THROUGHOUT.

REVISION		BY & DATE	CHK	ANG	±1/2°	FINISH	DRAWING NO		REV
THIRD ANGLE PROJECTION			RFP	09/16/08	PREV		B	028882	

TOLERANCES UNLESS SPECIFIED		LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN
DEC	INCHES			GRB 09/16/08
x	±.1			CHK DJ 09/16/08
.xx	±.03	TITLE OUTLINE - G56HC FRAME		APPR
.xxx	±.005	T.E.F.C. - RIGID "C"		SCALE 1:2
.xxxx	±.0005	MATL		REF 028861
				FMF 115048.00
				PAGE 1 OF 1
		NETWORK FILE NAME		

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



* THIS LEAD MAY BE WHITE

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

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



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: 005056.03

CATALOG #: 115048.00

OUTLINE: 028882-850C

MOUNTING: F1 ONLY

WINDING #: K632129 FR 2 D

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3	2.24	3600	3450	56HC	TEFC	J	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	208-230	14-13	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	49 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	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
FT-LB NONE V NONE Hz

LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

PHASE 1

HP 3.00

Volts

HZ

HP

Volts

HZ

HP

RPM

Volts

HZ

HP

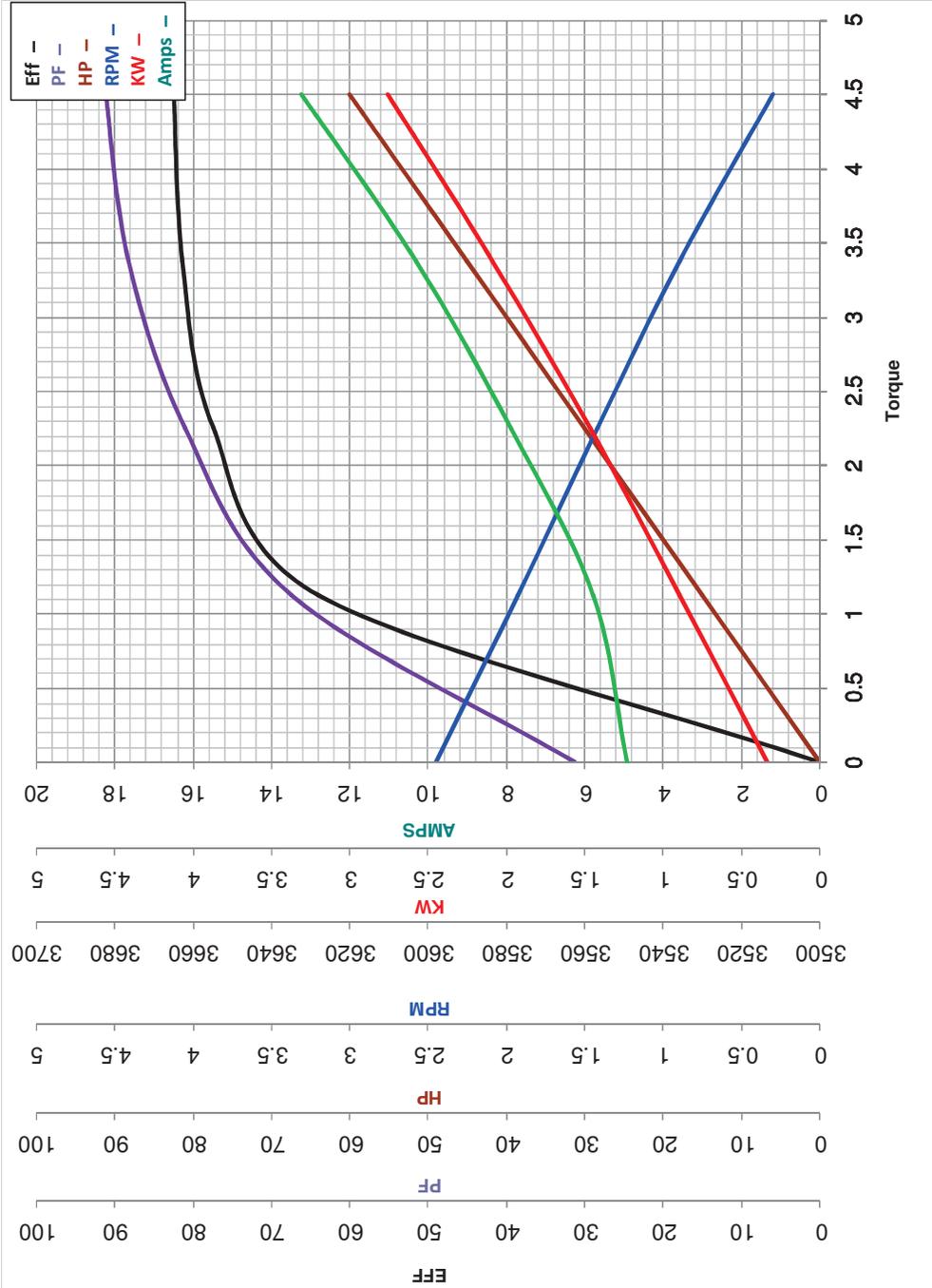
Model No 115048.00

Catalog No 115048.00

RPM 3450

HZ 60

Volts 208-230



Torque in Lb.Ft

FL TORQUE	<u>4.5</u>	Lb.Ft	FL AMPS	<u>14.13</u>
BD TORQUE	<u>13.5</u>	Lb.Ft	PU TORQUE	<u>12.0</u>
LR TORQUE	<u>12.5</u>	Lb.Ft	LR AMPS	<u>100</u>
WINDING	<u>K632129-2</u>		Date	<u>4/23/2018</u>