

PRODUCT INFORMATION PACKET



Model No: 108053.00
Catalog No: 108053.00
Low Voltage Motor, 1 HP, 24 V, 1800 RPM, S56C Frame, TEFC



Regal and LEESON are trademarks of Regal Rexnord Corporation or one of its affiliated companies.
©2025 Regal Rexnord Corporation, All Rights Reserved. MC017097E





Nameplate Specifications

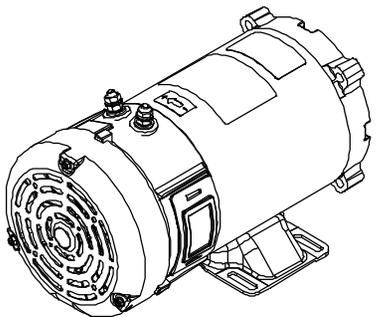
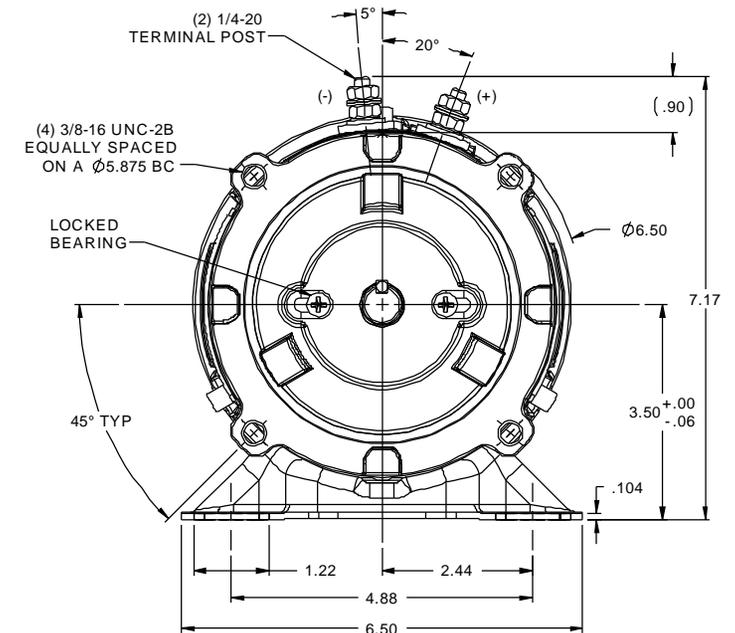
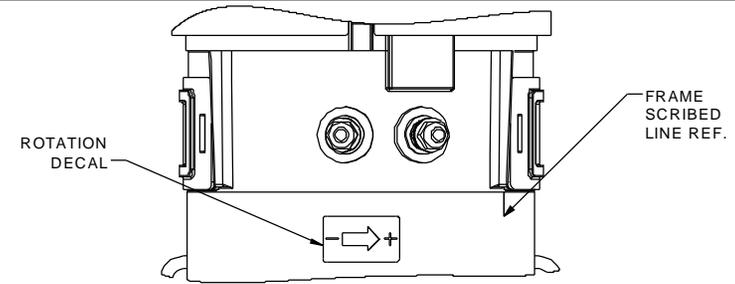
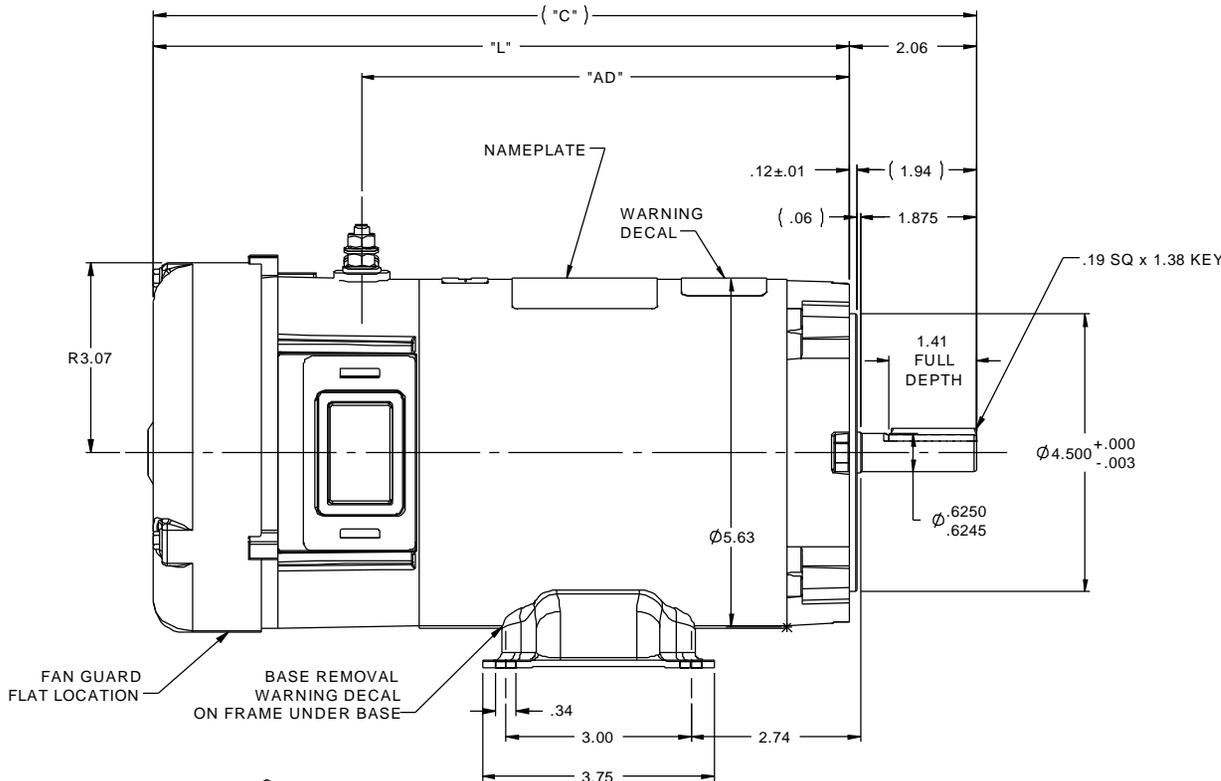
Output HP	1 Hp	Output KW	0.75 kW
Voltage	24 V	Speed	1800 rpm
Service Factor	1.0	Frame	S56C
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	No Protection
Efficiency	81.3 %	Ambient Temperature	40 °C
Current	39.0 A	Duty	Continuous
Insulation Class	H	Drive End Bearing Size	6203
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	N

Technical Specifications

Rotation	Reversible	Mounting	Rigid C base
Overall Length	13.82 in	Frame Length	6.47 in
Shaft Diameter	0.625 in	Shaft Extension	2.06 in
Torque	35 LB-IN		
Connection Drawing	00531901	Outline Drawing	031886-108053

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:04/08/2025

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 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.



- NOTES:
 1) MAXIMUM FACE RUNOUT .004 T.I.R.
 2) MAXIMUM PILOT ECCENTRICITY .004 T.I.R.
 3) PERMISSIBLE SHAFT RUNOUT .002 T.I.R.
 4) GASKETS THROUGHOUT.

108053.00	13.82	11.76	8.40	24	1	1800
108048.00	13.32	11.26	7.90	12	3/4	1800
CATALOG No.	"C"	"L"	"AD"	VOLTS	H.P.	RPM

		TOLERANCES UNLESS SPECIFIED		LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN IPG 4/9/08
		DEC INCHES				CHK BC 4/9/08
02	ADDED EXTRA VIEW PER MFG REQUEST	JJM 9/18/2013	x ±.1			APPR
01	ADDED NOTE ABOUT FAN GUARD FLAT LOCATION, ISAAC	IPG 12/4/2009	xx ±.03	TITLE OUTLINE		SCALE 1:2
	09-4813		xxx ±.005	48 FRAME DC		REF 031186
	RELEASED	IPG 4/9/2008	BC xxx ±.0005	MAT'L		FMF 108048.75
NO	REVISION	BY & DATE	CHK LANG ±1/2°	FINISH		PAGE OF
	THIRD ANGLE PROJECTION		RFP	PREV		SIZE B DRAWING NO 031886
				NETWORK FILE NAME 031886		REV 02



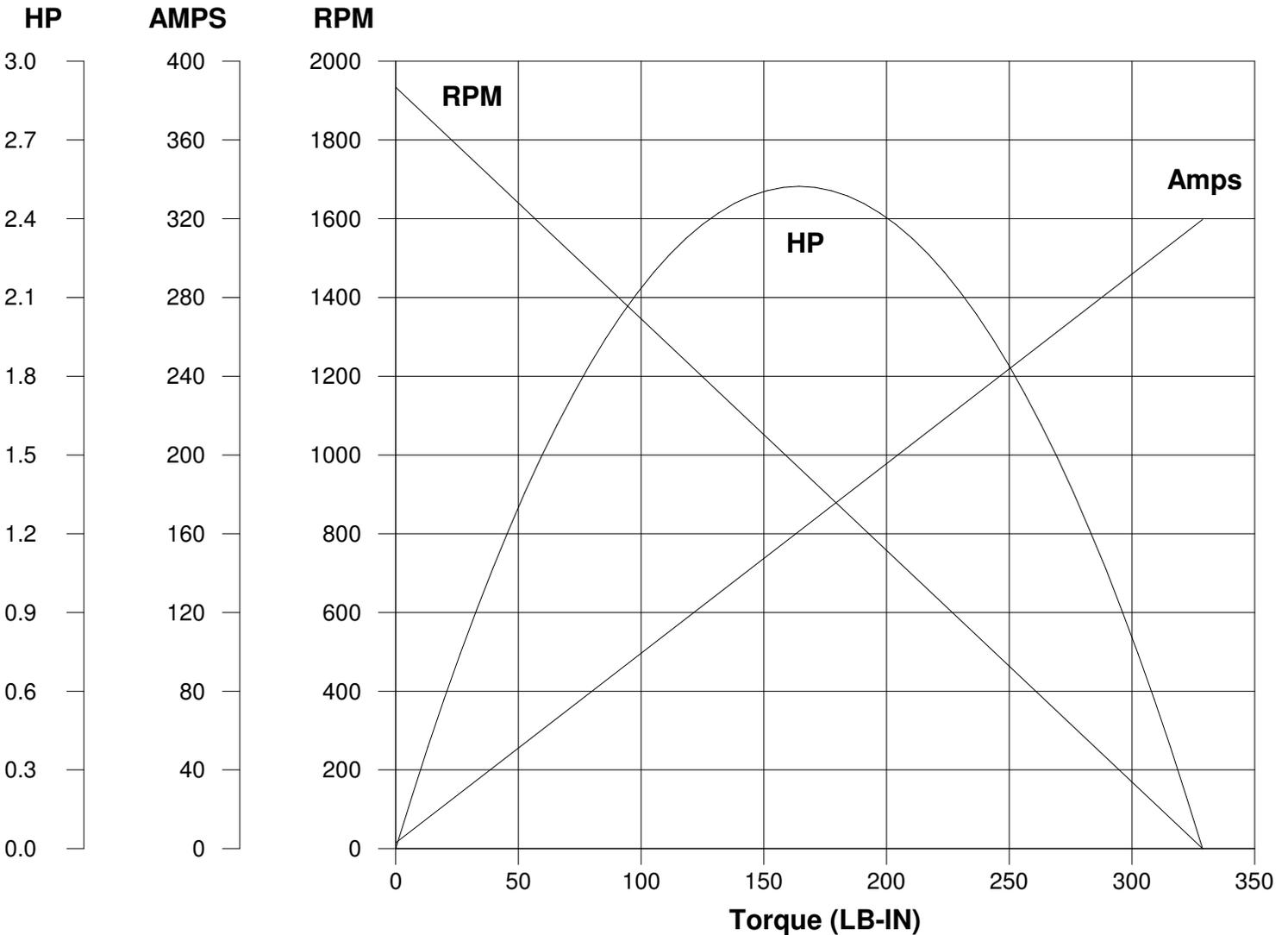
CONNECTIONS SHOWN FOR CCW ROTATION FACING LEAD END OF THE MOTOR
 TO REVERSE ROTATION INTERCHANGE LINE LEADS

			TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.	DRAWN TJF 11/15/97		
			DEC.	INCHES		CHK		
F	CHG FROM LEESON TO RRX TEMPLATE AS PER ECR-0237142	KVDG 09/19/24	DS	.X	±.1	APPD POW 11/15/97		
E	"MOTOR" WAS "ARMATURE", ECO-0163602	IPG 3/14/19		.XX	±.01	SCALE 1=2		
D	UPDATED TO MAKE IT GENERIC, ECO-0163547	IPG 3/13/19		.XXX	±.005	REF		
01	REDRAWN ON CAD. REVISED NOTES.	SJB 9/20/2005		.XXXX	±.0005	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 00531901		SIZE A	DRAWING NO. 005319.01	REV. F
			DIST	4 of 5				

LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE FOR DIRECT CURRENT PERMANENT MAGNET MOTOR

Model No. C4D17FK9 **Catalog No.** 108053.00
HP 1.000 **RPM** 1800 **DC Volts** 24.0 **N.P. FLA** 39.00
F.F. 1.00 **Encl** TEFC **Type** DF **S.F.** 1.00
Max. Amb. 40.0 Deg C **Insul.** F **Frame** S56C **Duty** CONT



Ra <u>0.05000</u> Ohms La <u>1.800</u> mHenrys Ja <u>11.20</u> LB-IN ² Ke <u>12.28</u> V/KRPM	Kt <u>1.038</u> LB-IN/AMP Imax <u>330.0</u> AMPS Allowed FL Torque <u>35.00</u> LB-IN FL EFF <u>81.30</u> %
---	--

Winding W- D56213-1 **Prepared by** S. Bernhardt **Date** 03-04-2009