

PRODUCT INFORMATION PACKET



Model No: 108052.00
Catalog No: 108052.00
Low Voltage Motor, 0.75 HP, 24 V, 1800 RPM, S56C Frame, TEFC



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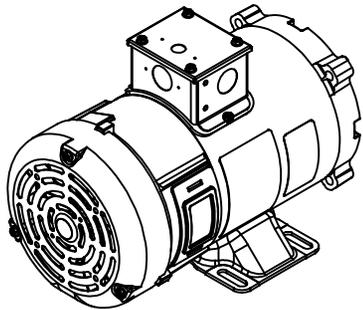
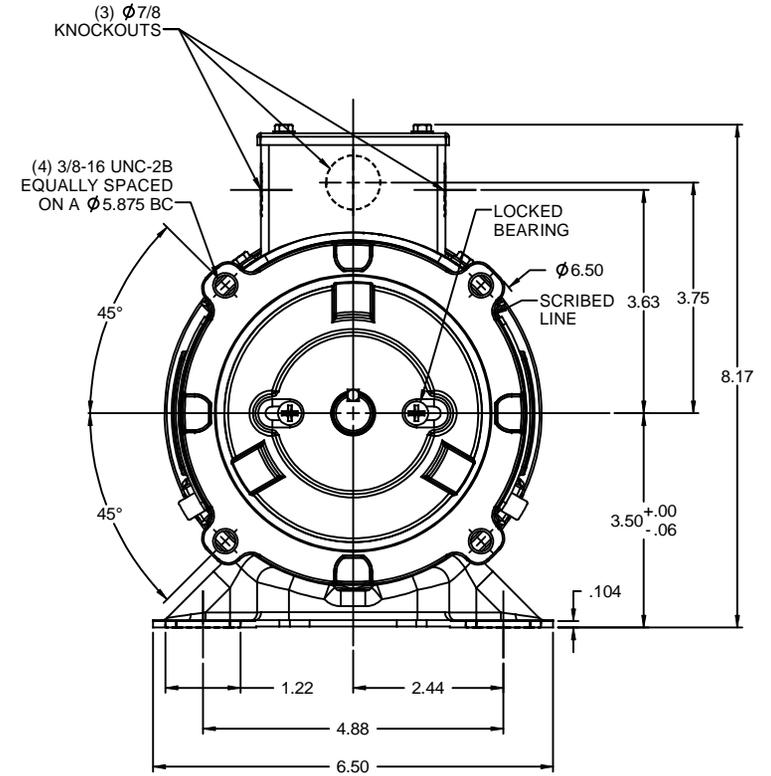
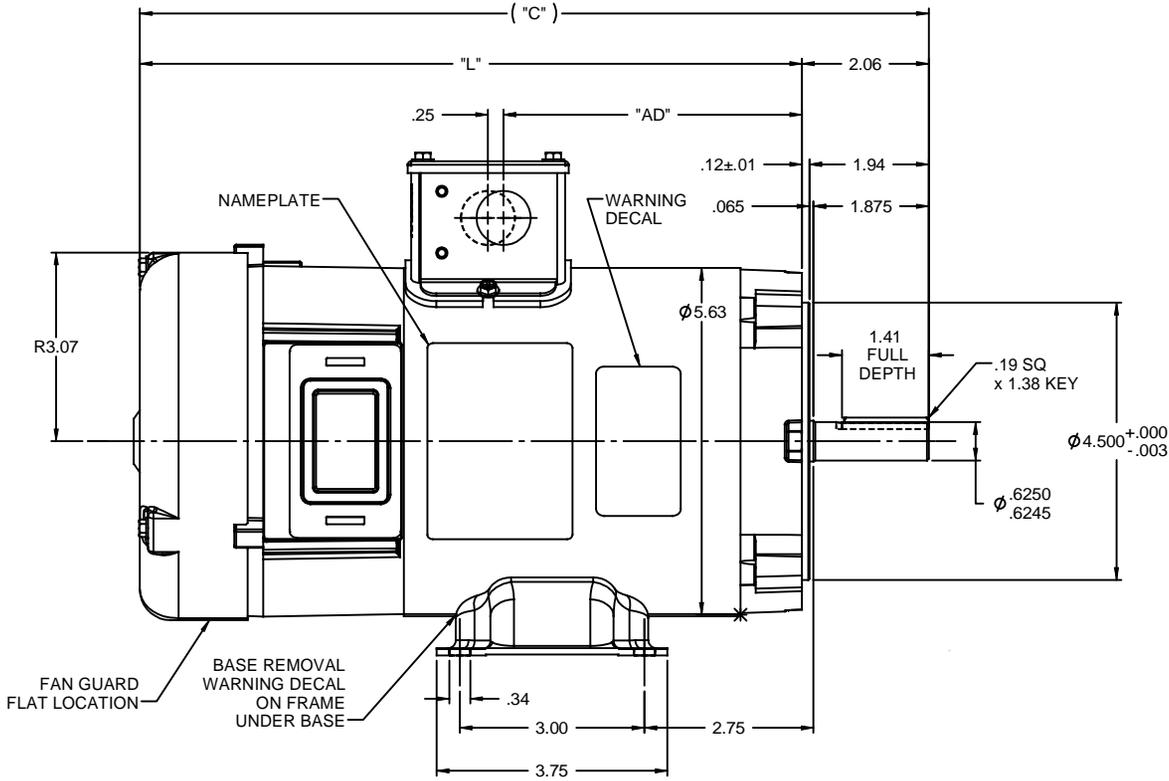
Nameplate Specifications

Output HP	0.75 Hp	Output KW	0.56 kW
Voltage	24 V	Speed	1800 rpm
Service Factor	1.0	Frame	S56C
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	No Protection
Efficiency	77 %	Ambient Temperature	40 °C
Current	29.0 A	Duty	Continuous
Insulation Class	F	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	12.82 in	Frame Length	5.47 in
Shaft Diameter	0.625 in	Shaft Extension	2.06 in
Torque	26.3 LB-IN		
Connection Drawing	00531901	Outline Drawing	031891-108052

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- 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.

109102.00	13.82	11.76	5.85	48	1	1800
109101.00	13.82	11.76	5.85	36	1	1800
108605.00	12.82	10.76	4.85	36	3/4	1800
108052.00	12.82	10.76	4.85	24	3/4	1800
CATALOG No.	"C"	"L"	"AD"	VOLTS	H.P.	RPM

			TOLERANCES UNLESS SPECIFIED				DRAWN IPG 4/2/08	
03	ADDED NOTE ABOUT FAN GUARD FLAT LOCATION. ISAAC 09-4813	IPG 12/9/2009	DEC	INCHES			CHK BC 4/2/08	
02	ADDED DATA FOR 108605.00, 109101.00 & 109102.00	IPG 4/6/2009	SK	.XX ±.03	SCALE 1:2			
01	ADDED PLUG CAP TO FAN GUARD. 108052.00	RPB 3/5/2009	RWS	XXX ±.005	REF 031879			
	RELEASED: REF. 031879 & 031187	IPG 4/8/2008	BC	XXX ±.0005	FMF 108052.75			
NO	REVISION	BY & DATE	CHK	ANG ±1/2°	FINISH	PAGE OF		
	THIRD ANGLE PROJECTION		RFP		PREV	SIZE DRAWING NO		
				NETWORK FILE NAME		B 031891		
						REV 03		



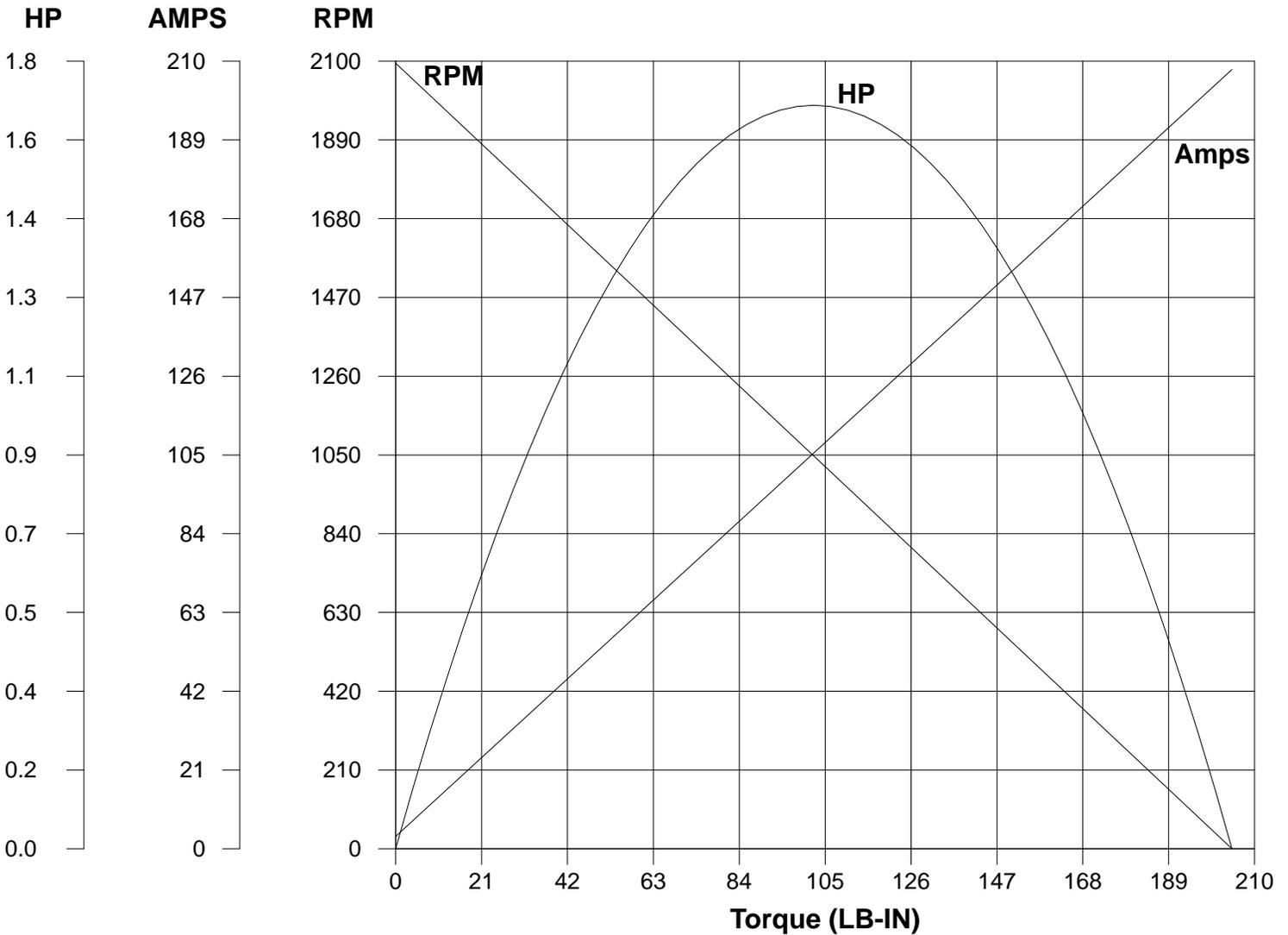
CONNECTIONS SHOWN FOR CCW ROTATION FACING LEAD END OF THE MOTOR
 TO REVERSE ROTATION INTERCHANGE LINE LEADS

				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	TITLE	EXTERNAL WIRING DIAGRAM		
E	"MOTOR" WAS "ARMATURE", ECO-0163602	IPG 3/14/19		.XX	±.01		PMDC MOTOR		
D	UPDATED TO MAKE IT GENERIC, ECO-0163547	IPG 3/13/19		.XXX	±.005		SCALE 1=2		
01	REDRAWN ON CAD. REVISED NOTES.	SJB 9/20/2005		.XXXX	±.0005	MAT'L.	REF		
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH	FMF		
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	DRAWING NO.	REV.
			DIST				A	005319.01	F
						4 of 5			

LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE FOR DIRECT CURRENT PERMANENT MAGNET MOTOR

Model No. C4D17FK8 **Catalog No.** 108052.00
HP 0.750 **RPM** 1800 **DC Volts** 24.0 **N.P. FLA** 29.00
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 0.07800 Ohms
La 1.400 mHenrys
Ja 7.200 LB-IN²
Ke 12.72 V/KRPM

Kt 1.075 LB-IN/AMP
Imax 220.0 AMPS Allowed
FL Torque 26.30 LB-IN
FL EFF 77.00 %

Winding W- D59285-2 **Prepared by** V. Boehlen **Date** 07-28-2020