

# PRODUCT INFORMATION PACKET



Model No: 108048.00  
Catalog No: 108048.00  
Low Voltage Motor, 0.75 HP, 12 V, 1800 RPM, S56C Frame, TEFC



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**Nameplate Specifications**

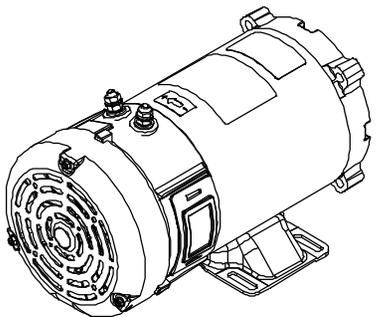
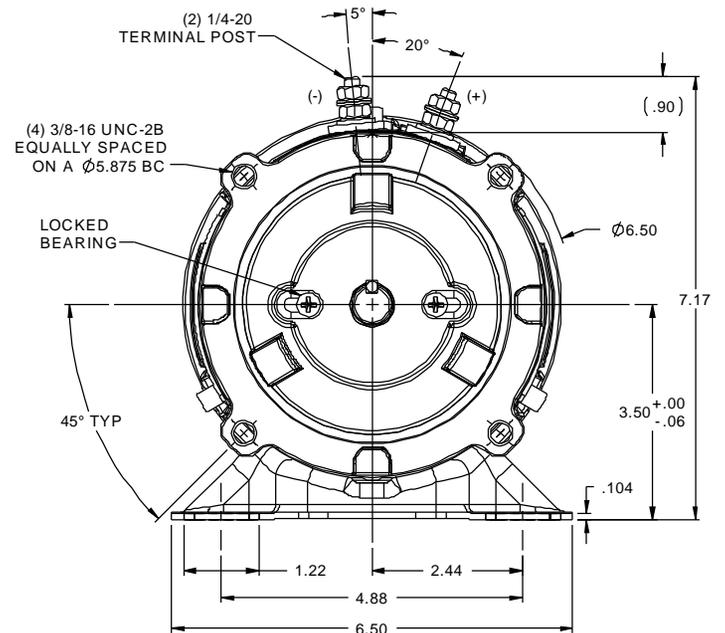
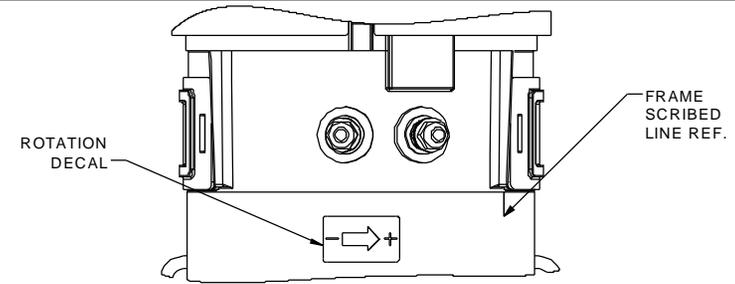
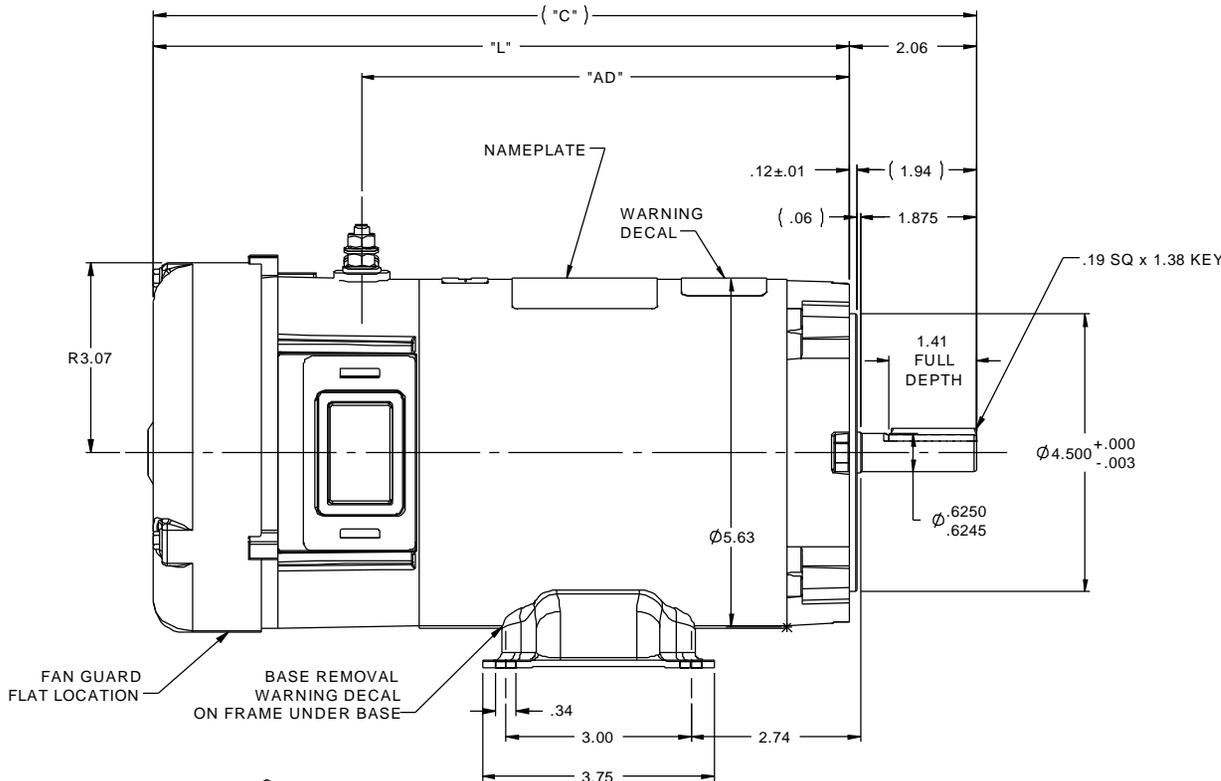
Output HP	0.75 Hp	Output KW	0.56 kW
Voltage	12 V	Speed	1800 rpm
Service Factor	1.0	Frame	S56C
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	No Protection
Efficiency	79.9 %	Ambient Temperature	40 °C
Current	58.0 A	Duty	Continuous
Insulation Class	F	Drive End Bearing Size	6203
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	N

**Technical Specifications**

Rotation	Reversible	Mounting	Rigid C base
Overall Length	13.32 in	Frame Length	5.97 in
Shaft Diameter	0.625 in	Shaft Extension	2.06 in
Torque	26.3 LB-IN		
Connection Drawing	00531901	Outline Drawing	031886-108048

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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.

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

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



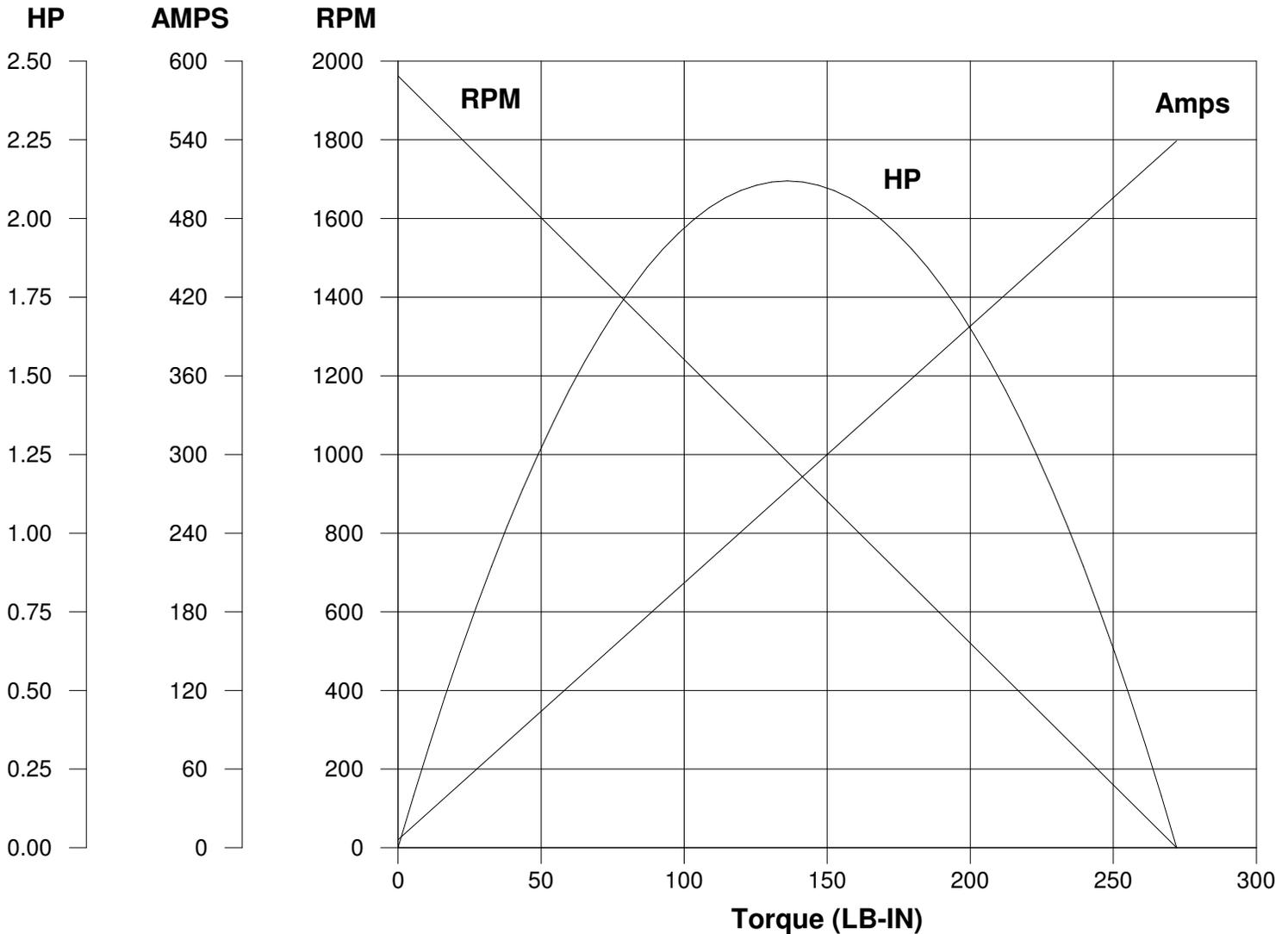
CONNECTIONS SHOWN FOR CCW ROTATION FACING LEAD END OF THE MOTOR  
 TO REVERSE ROTATION INTERCHANGE LINE LEADS

				TOLERANCES UNLESS SPECIFIED		 <b>Regal Beloit America, Inc.</b>	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
						<b>4 of 5</b>			

# LEESON ELECTRIC CORPORATION

## TYPICAL PERFORMANCE CURVE FOR DIRECT CURRENT PERMANENT MAGNET MOTOR

Model No. <u>C4D17FK7</u>	Catalog No. <u>108048.00</u>	
HP <u>0.750</u>	RPM <u>1800</u>	DC Volts <u>12.0</u>
F.F. <u>1.00</u>	Encl <u>TEFC</u>	Type <u>DF</u>
Max. Amb. <u>40.0 Deg C</u>	Insul. <u>F</u>	Frame <u>S56C</u>
		N.P. FLA <u>58.00</u>
		S.F. <u>1.00</u>
		Duty <u>CONT</u>



<b>Ra</b> <u>0.01250</u> Ohms <b>La</b> <u>1.500</u> mHenrys <b>Ja</b> <u>9.600</u> LB-IN <sup>2</sup> <b>Ke</b> <u>6.056</u> V/KRPM	<b>Kt</b> <u>0.5118</u> LB-IN/AMP <b>Imax</b> <u>550.0</u> AMPS Allowed <b>FL Torque</b> <u>26.30</u> LB-IN <b>FL EFF</b> <u>79.90</u> %
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Winding W- D56220-1      Prepared by S. Bernhardt      Date 05-06-2009