

# PRODUCT INFORMATION PACKET



Model No: 108262.00  
Catalog No: 108262.00  
SCR Motor, 1.50 HP, 180 V, 1750 RPM, S56CZ Frame, TEFC



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**Nameplate Specifications**

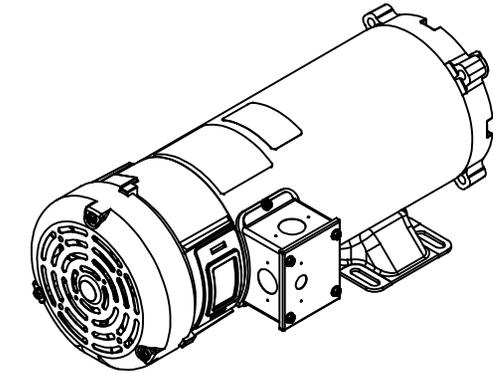
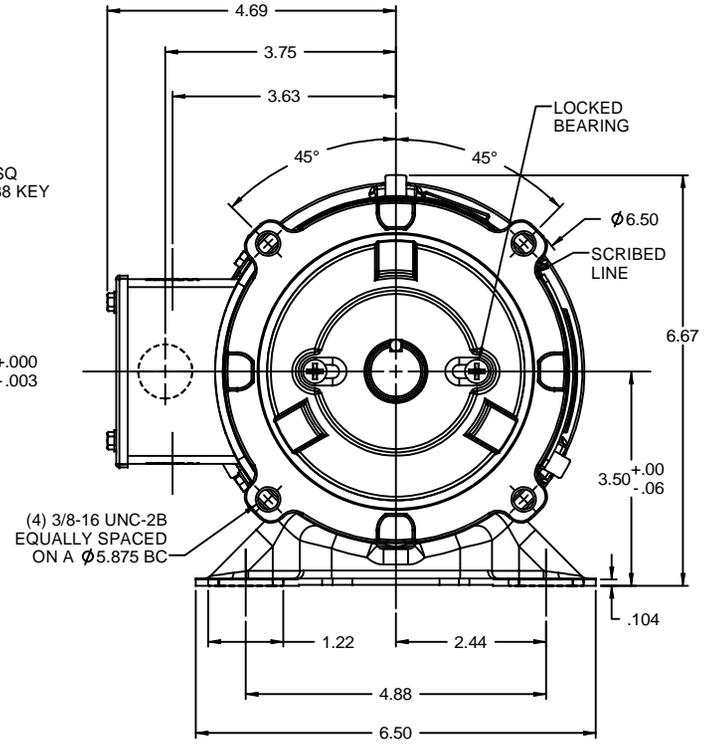
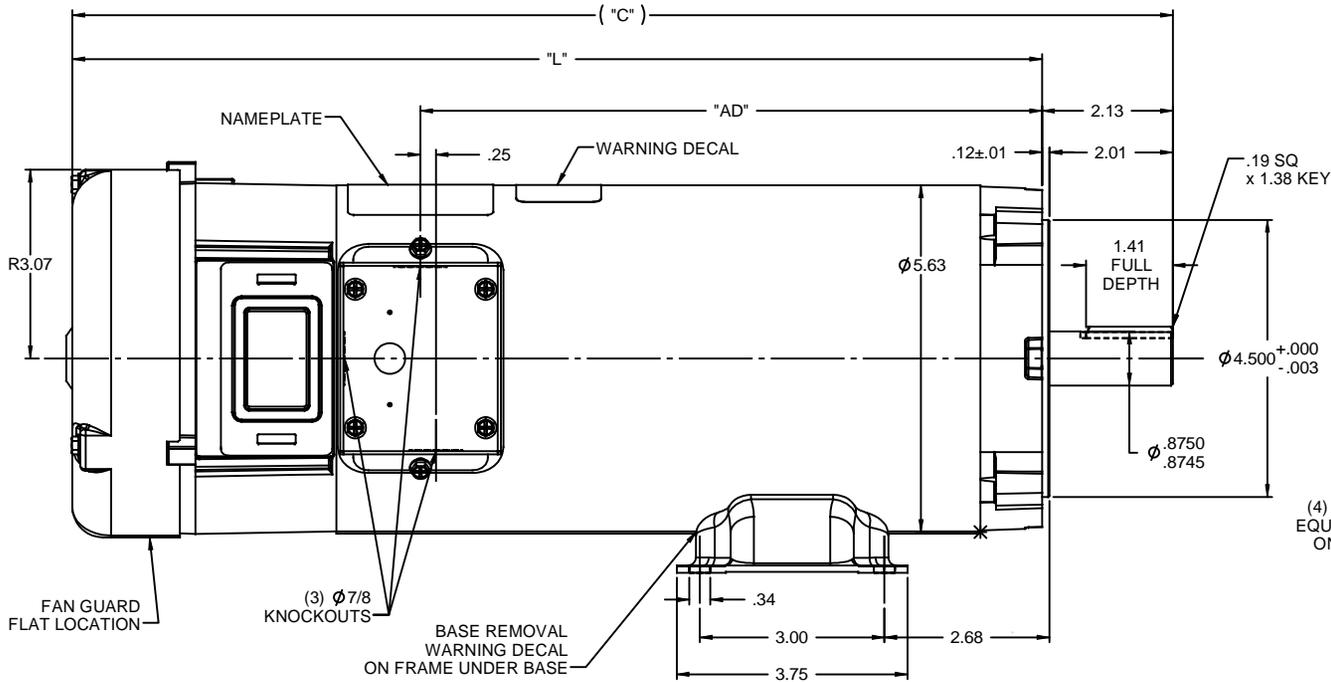
Output HP	1.50 Hp	Output KW	1.1 kW
Voltage	180 V	Speed	1750 rpm
Service Factor	1.0	Frame	S56CZ
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	No Protection
Efficiency	86.5 %	Ambient Temperature	40 °C
Current	7.6 A	Duty	Continuous
Insulation Class	H	Drive End Bearing Size	6205
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	N

**Technical Specifications**

Rotation	Reversible	Mounting	Rigid C base
Overall Length	17.39 in	Frame Length	9.97 in
Shaft Diameter	0.875 in	Shaft Extension	2.13 in
Torque	54 LB-IN		
Connection Drawing	00531901	Outline Drawing	031897-108262

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108266.00	17.89	15.76	10.10	180	2	2500
108262.00	17.39	15.26	9.60	180	1 1/2	1750
<b>CATALOG No.</b>	<b>"C"</b>	<b>"L"</b>	<b>"AD"</b>	<b>VOLTS</b>	<b>H.P.</b>	<b>RPM</b>

- 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.

					TOLERANCES UNLESS SPECIFIED	<b>LEESON</b> ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN IPG 4/8/08
02	ADDED NOTE ABOUT FAN GUARD FLAT LOCATION. ISAAC	IPG	12/9/2009	DEC	INCHES		CHK BC 4/8/08
	09-4813			X	±.1	APPR	
01	CAT. # 108262.00: "C" WAS 17.89, "L" WAS 15.76, "AD" WAS 10.10, ISAAC 09-1828	IPG	5/14/2009	SK	.XX ±.03	TITLE OUTLINE	SCALE 1:2
	RELEASED: REF. 031879 & 030704	IPG	4/8/2008	BC	.XXX ±.005	48 FRAME DC - S56CZ MOUNT	REF 031879
				CHK	.XXX ±.0005	MATL	FMF 108262.75
NO	REVISION	BY & DATE		CHK	ANG ±1/2°	FINISH	PAGE OF
	THIRD ANGLE PROJECTION			RFP		PREV	SIZE DRAWING NO
					NETWORK FILE NAME		<b>B</b> <b>031897</b>
							REV <b>02</b>



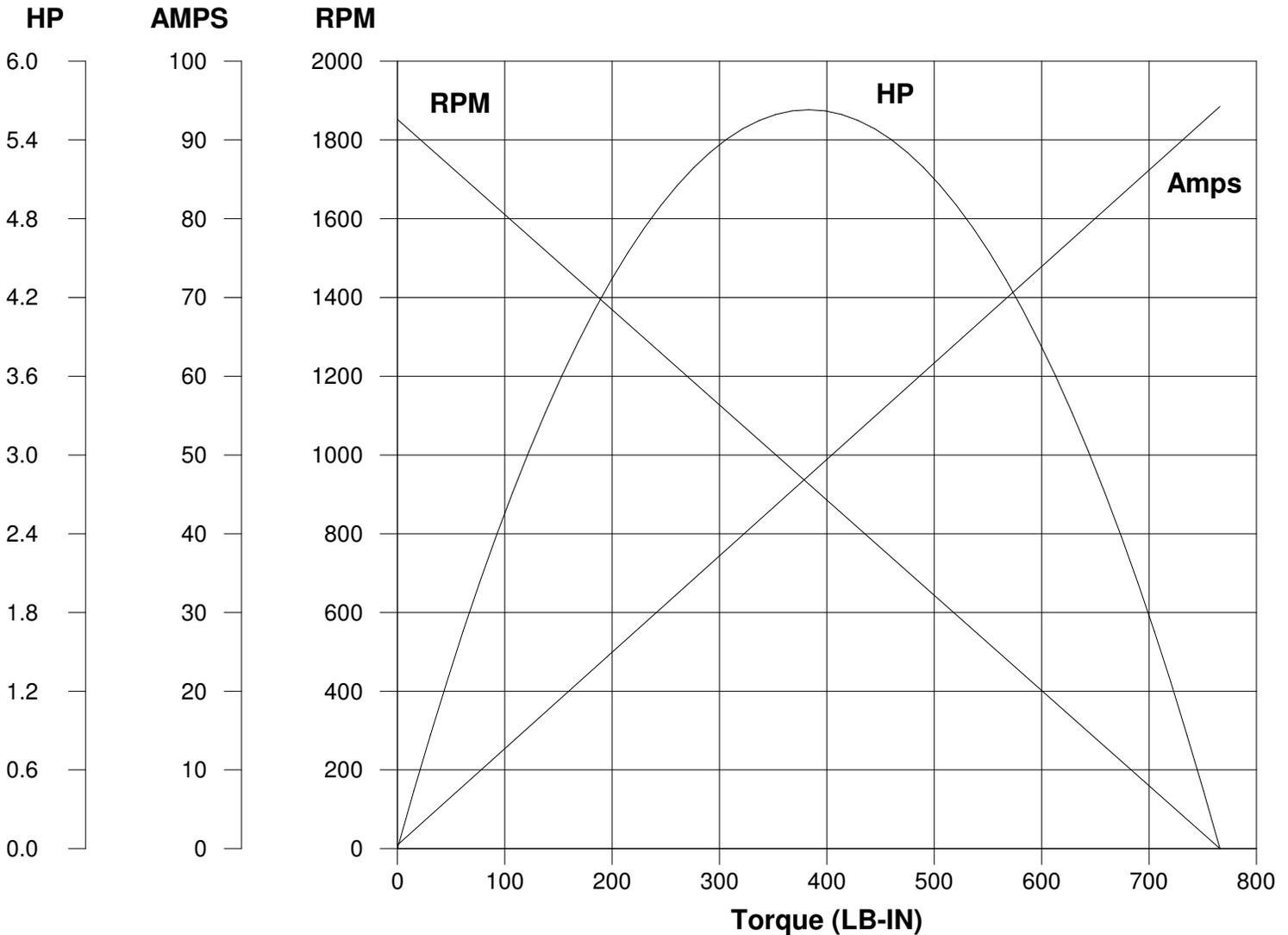
CONNECTIONS SHOWN FOR CCW ROTATION FACING LEAD END OF THE MOTOR  
 TO REVERSE ROTATION INTERCHANGE LINE LEADS

				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>C4D17FK19</u>	Catalog No. <u>108262.00</u>	
HP <u>1.500</u>	RPM <u>1750</u>	DC Volts <u>180.0</u>
F.F. <u>1.38</u>	Encl <u>TEFC</u>	Type <u>DF</u>
Max. Amb. <u>40.0 Deg C</u>	Insul. <u>H</u>	Frame <u>S56CZ</u>
		N.P. FLA <u>7.60</u>
		S.F. <u>1.00</u>
		Duty <u>Cont</u>



<b>Ra</b> <u>1.1000</u> Ohms <b>La</b> <u>22.50</u> mHenrys <b>Ja</b> <u>20.80</u> LB-IN <sup>2</sup> <b>Ke</b> <u>96.67</u> V/KRPM	<b>Kt</b> <u>8.171</u> LB-IN/AMP <b>Imax</b> <u>68.8</u> AMPS Allowed <b>FL Torque</b> <u>54.00</u> LB-IN <b>FL EFF</b> <u>86.50</u> %
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Winding W- D56275-1      Prepared by S. Bernhardt      Date 09-09-2009