

PRODUCT INFORMATION PACKET



Model No: 098002.00
Catalog No: 098002.00
SCR Motor, 0.25 HP, 90 V, 1750 RPM, SS56C Frame, TEFC



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Nameplate Specifications

Output HP	0.25 Hp	Output KW	0.19 kW
Voltage	90 V	Speed	1750 rpm
Service Factor	1.0	Frame	SS56C
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	No Protection
Efficiency	78.5 %	Ambient Temperature	40 °C
Current	2.5 A	Duty	Continuous
Insulation Class	F	Drive End Bearing Size	6203
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	Y

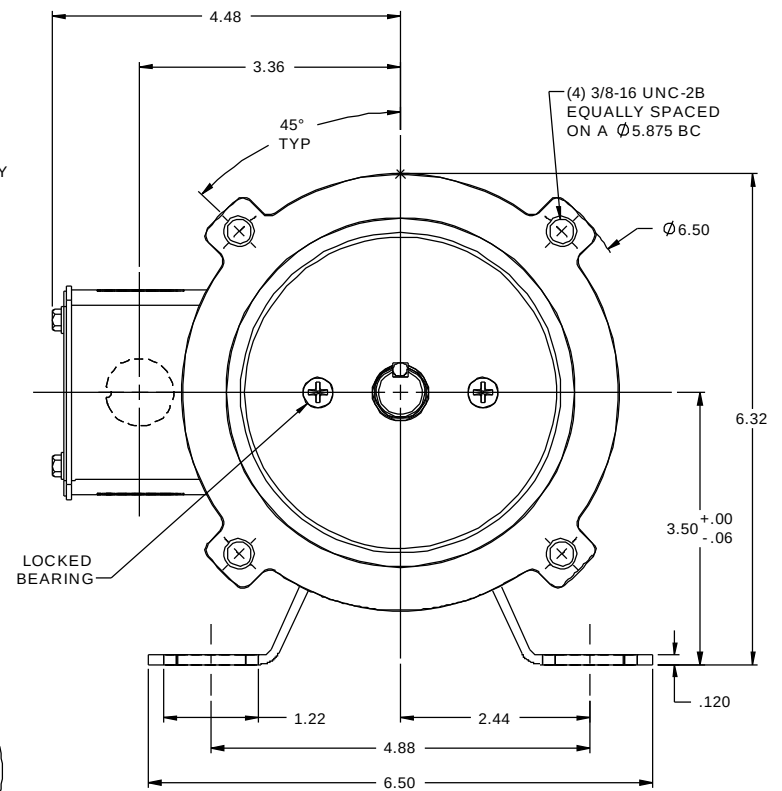
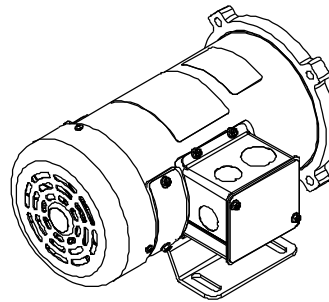
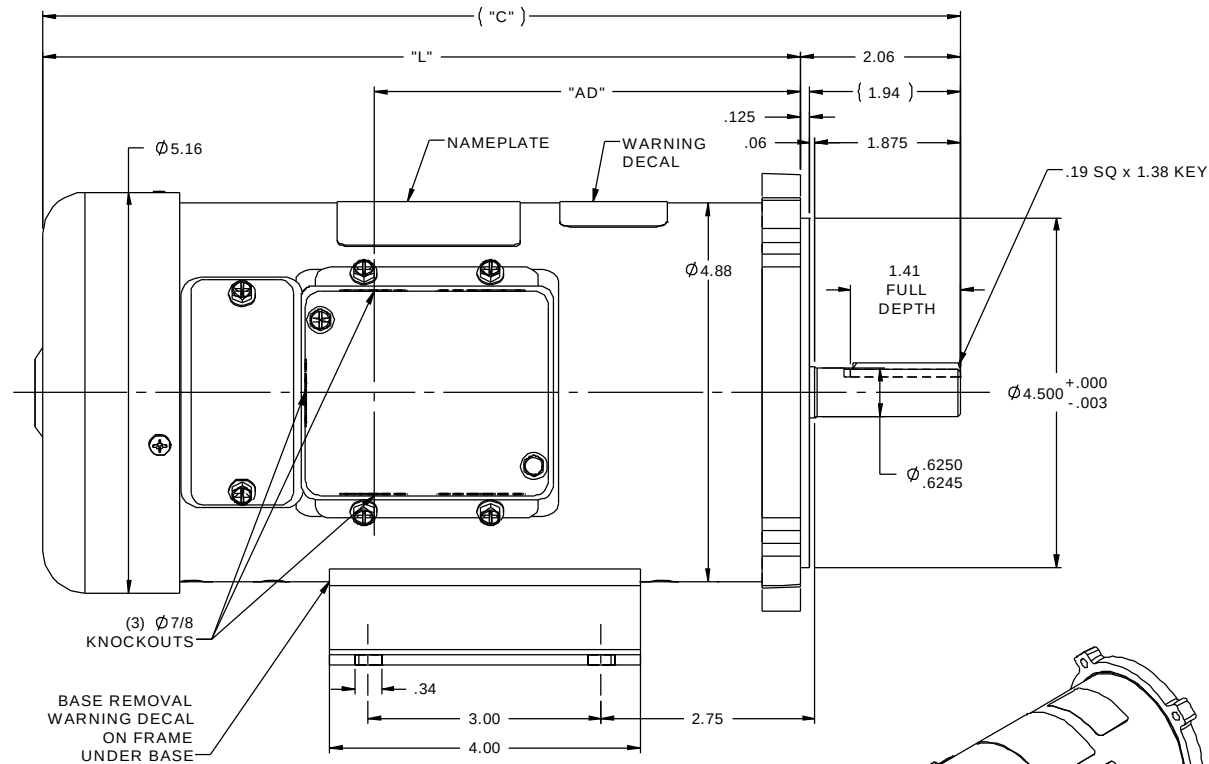
Technical Specifications

Rotation	Reversible	Mounting	Rigid C base
Overall Length	10.81 in	Frame Length	6.50 in
Shaft Diameter	0.625 in	Shaft Extension	2.06 in
Torque	9.0 LB-IN		
Connection Drawing	00531901	Outline Drawing	027620-098002

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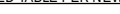
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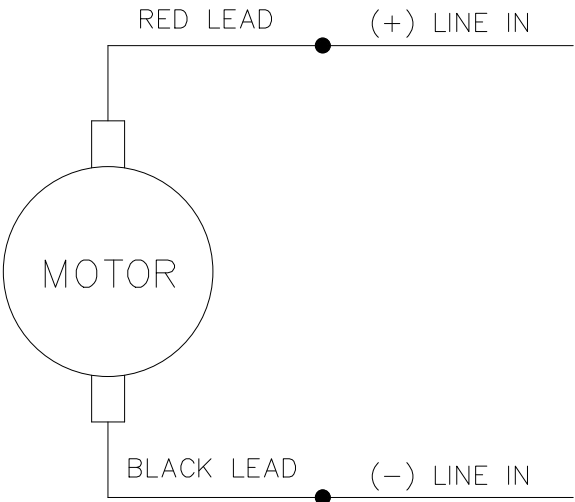
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NOTES:
1) MAXIMUM FACE RUNOUT .004 T.I.R.
2) MAXIMUM PILOT ECCENTRICITY .004 T.I.R.
3) PERMISSIBLE SHAFT RUNOUT .002 T.I.R.
4) GASKETS THROUGHOUT.

098382.00	10.81	8.75	4.49	48	1/2	1800
098381.00	10.81	8.75	4.49	36	1/2	1800
098069.00	13.81	11.75	7.49	180	3/4	1750
098032.00	13.81	11.75	7.49	90	3/4	1750
098010.00	11.81	9.75	5.49	180	3/4	2500
098009.00	11.81	9.75	5.49	90	3/4	2500
098008.00	11.81	9.75	5.49	180	1/2	1750
098007.00	10.81	8.75	4.49	180	1/2	2500
098006.00	10.81	8.75	4.49	90	1/2	2500
098005.00	11.31	9.25	4.99	180	1/3	1750
098004.00	11.31	9.25	4.99	90	1/3	1750
098003.00	11.31	9.25	4.99	180	1/4	1750
098002.00	10.81	8.75	4.49	90	1/4	1750
098000.00	11.81	9.75	5.49	90	1/2	1750
CATALOG No.	"C"	"L"	"AD"	VOLTS	H.P.	RPM

					TOLERANCES UNLESS SPECIFIED		ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN JRA 5/11/95
				DEC INCHES	CHK			APPR
			X ±.1					
08	REDRAWN IN SOLIDWORKS. MODIFIED TABLE PER NEW STANDARD	IPG 9/8/2011	XX ±.03	TITLE OUTLINE	SCALE 5:8			
			XXX ±.005	42 FRAME DC - SS56C MOUNT	REF RDOU42DC8			
07	ADDED FAN GUARD HOLE PLUG. ISAAC 10-4174	IPG 10/11/10	XXXX ±.0005	MATL	FMF C42D17FK1			
NO	REVISION	BY & DATE	CHK ANG ±1/2"	FINISH	PAGE OF			
	THIRD ANGLE PROJECTION		RFP	PREV	SIZE B	DRAWING NO 027620	REV 08	
			NETWORK FILE NAME 027620					



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

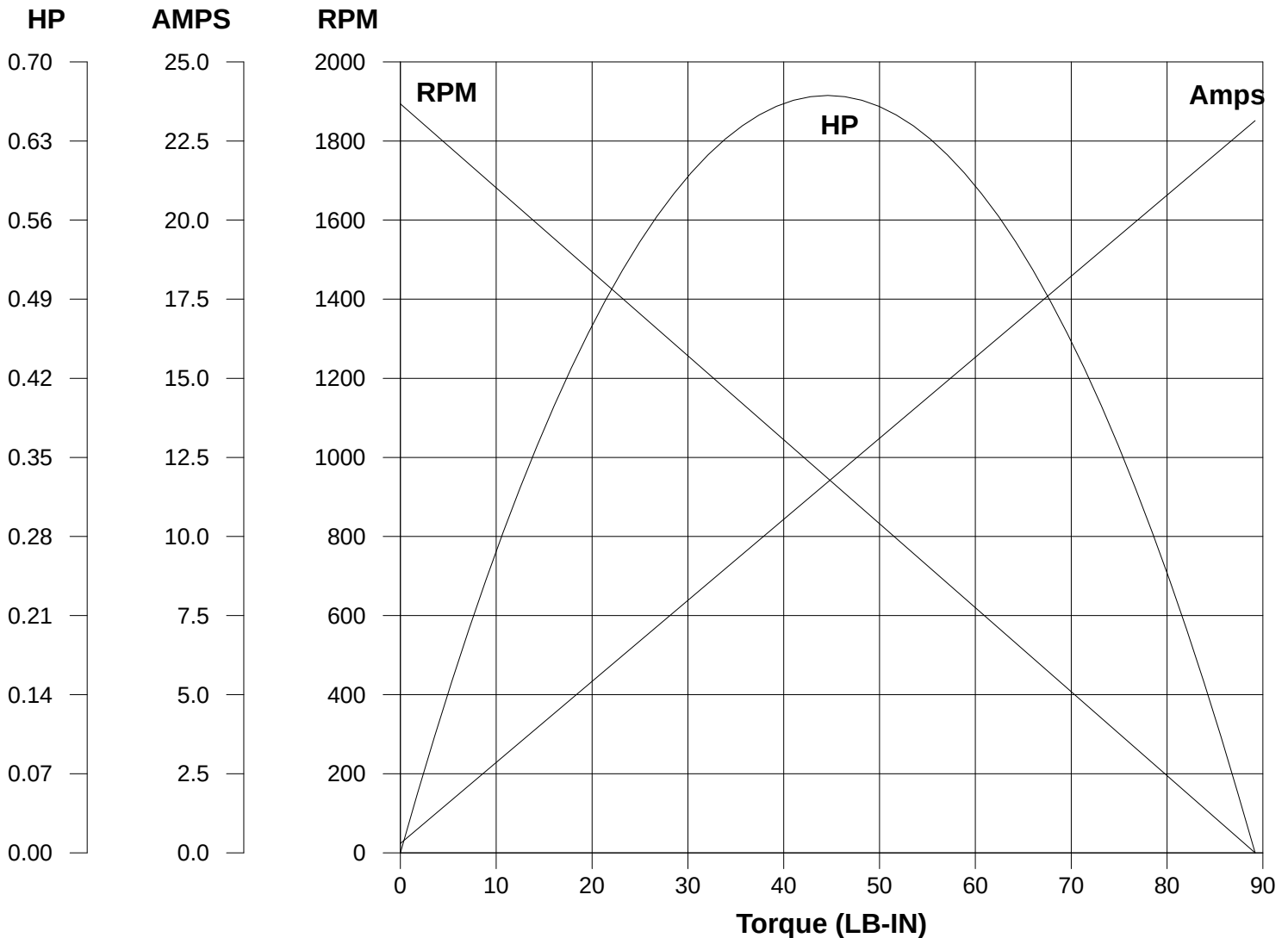
				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.	DRAWN TJF 11/15/97			
				DEC.	INCHES		CHK			
F	CHG FROM LEESON TO RRX TEMPLATE AS PER ECR-0237142	KVDG 09/19/24	DS	.X	±.1		APPD POW 11/15/97			
E	"MOTOR" WAS "ARMATURE", ECO-0163602	IPG 3/14/19		.XX	±.01	TITLE EXTERNAL WIRING DIAGRAM PMDc MOTOR			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	MAT'L.	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	DRAWING NO.		REV.
			DIST		4 of 5		A	005319.01		F

LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE

FOR

DIRECT CURRENT PERMANENT MAGNET MOTOR

Model No. C42D17FK2Catalog No. 098002.00HP 0.250RPM 1750DC Volts 90.0N.P. FLA 2.50F.F. 1.38Encl TEFCType DFS.F. 1.00Max. Amb. 40.0 Deg CInsul. FFrame SS56CDuty CONT

Ra 2.5500 Ohms
 La 21.00 mHenrys
 Ja 5.000 LB-IN²
 Ke 48.44 V/KRPM

Kt 4.095 LB-IN/AMP
 Imax 34.1 AMPS Allowed
 FL Torque 9.000 LB-IN
 FL EFF 78.50 %

Winding W- D4722-1Prepared by V. BoehlenDate 07-02-2020