

PRODUCT INFORMATION PACKET



Model No: 098003.00
Catalog No: 098003.00
SCR Motor, 0.25 HP, 180 V, 1750 RPM, SS56C Frame, TEFC



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Nameplate Specifications

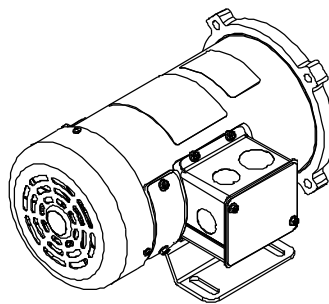
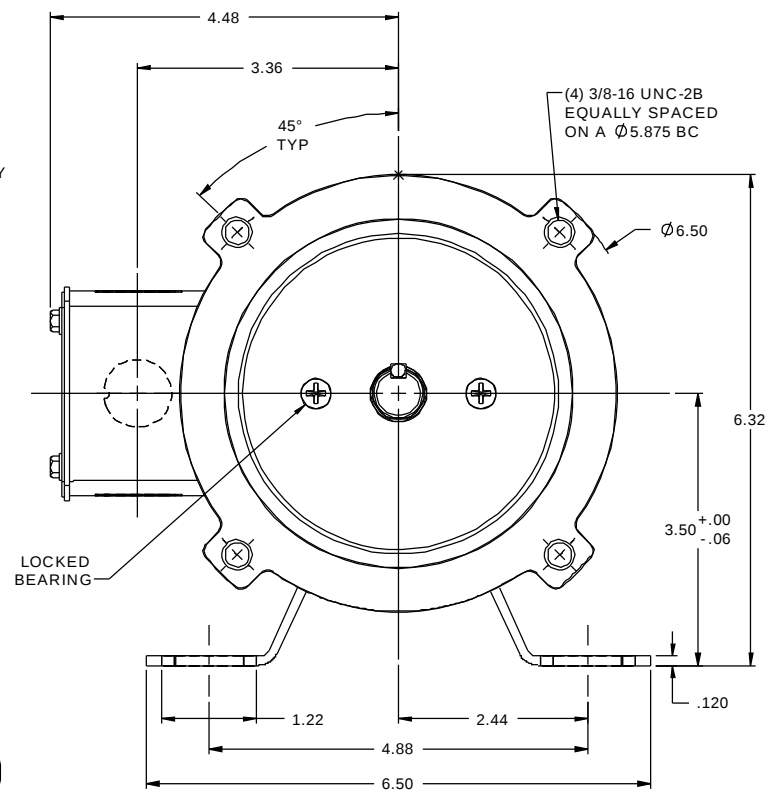
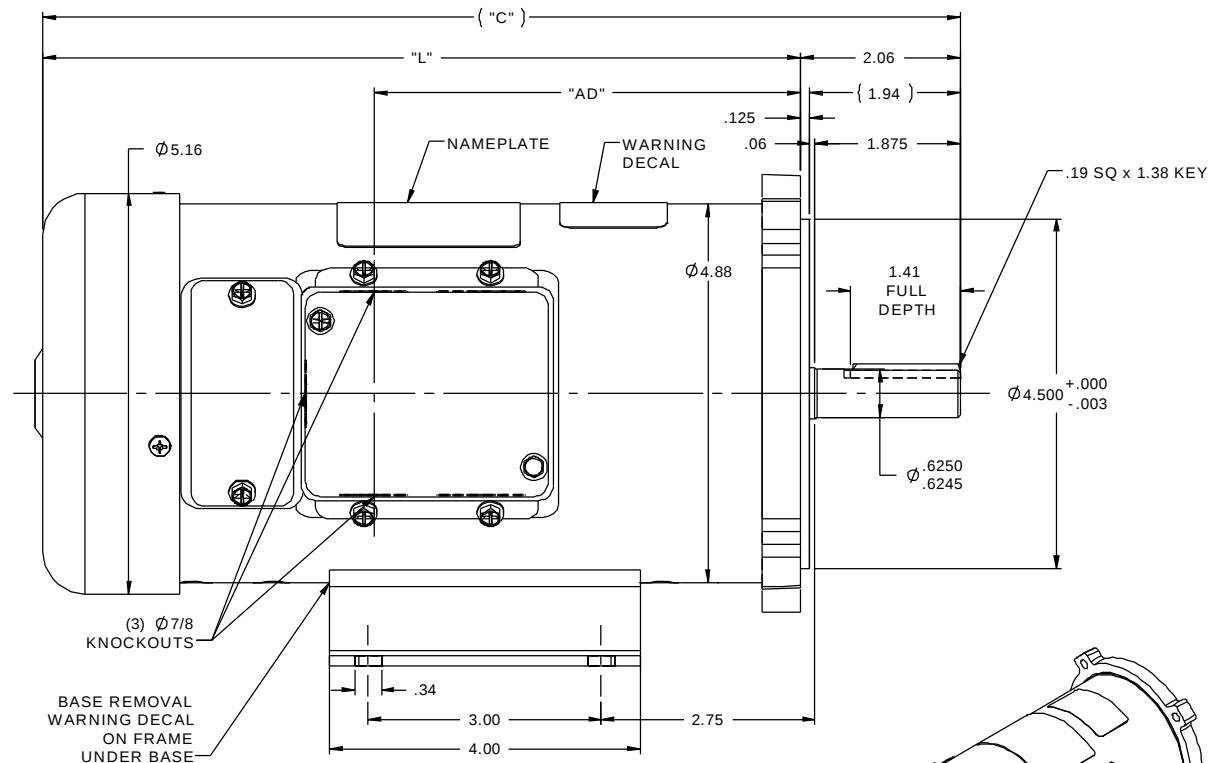
Output HP	0.25 Hp	Output KW	0.19 kW
Voltage	180 V	Speed	1750 rpm
Service Factor	1.0	Frame	SS56C
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	No Protection
Efficiency	77.1 %	Ambient Temperature	40 °C
Current	1.4 A	Duty	Continuous
Insulation Class	F	Drive End Bearing Size	6203
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	Y

Technical Specifications

Rotation	Reversible	Mounting	Rigid C base
Overall Length	11.31 in	Frame Length	7.00 in
Shaft Diameter	0.625 in	Shaft Extension	2.06 in
Torque	9.0 LB-IN		
Outline Drawing	027620-098003	Connection Drawing	00531901

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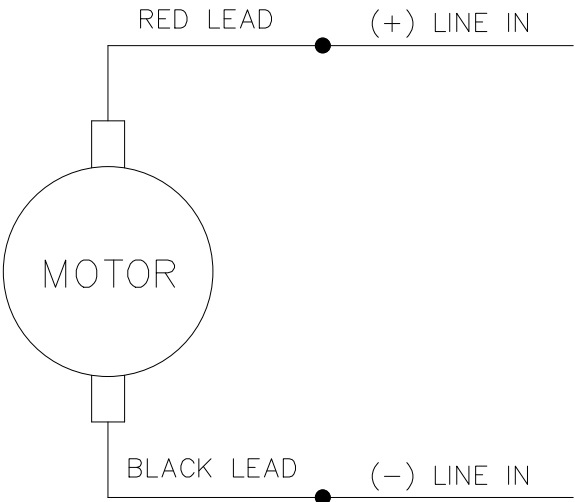
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- NOTES:
1) MAXIMUM FACE RUNOUT .004 T.I.R.
2) MAXIMUM PILOT ECCENTRICITY .004 T.I.R.
3) PERMISSIBLE SHAFT RUNOUT .002 T.I.R.
4) GASKETS THROUGHOUT.

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		DEC INCHES		LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN JRA 5/11/95	
				X ±.1				CHK	
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 RDOUT42DC8	
07 ADDED FAN GUARD HOLE PLUG, ISAAC 10-4174		IPG 10/11/10		XXXX ±.0005		MAT'L		FMF C42D17FK1	
NO REVISION		BY & DATE		CHK ANG ±1/2°		FINISH		PAGE OF	
THIRD ANGLE PROJECTION		RFP		PREV		SIZE B		DRAWING NO 027620	
		NETWORK FILE NAME 027620						REV 08	



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

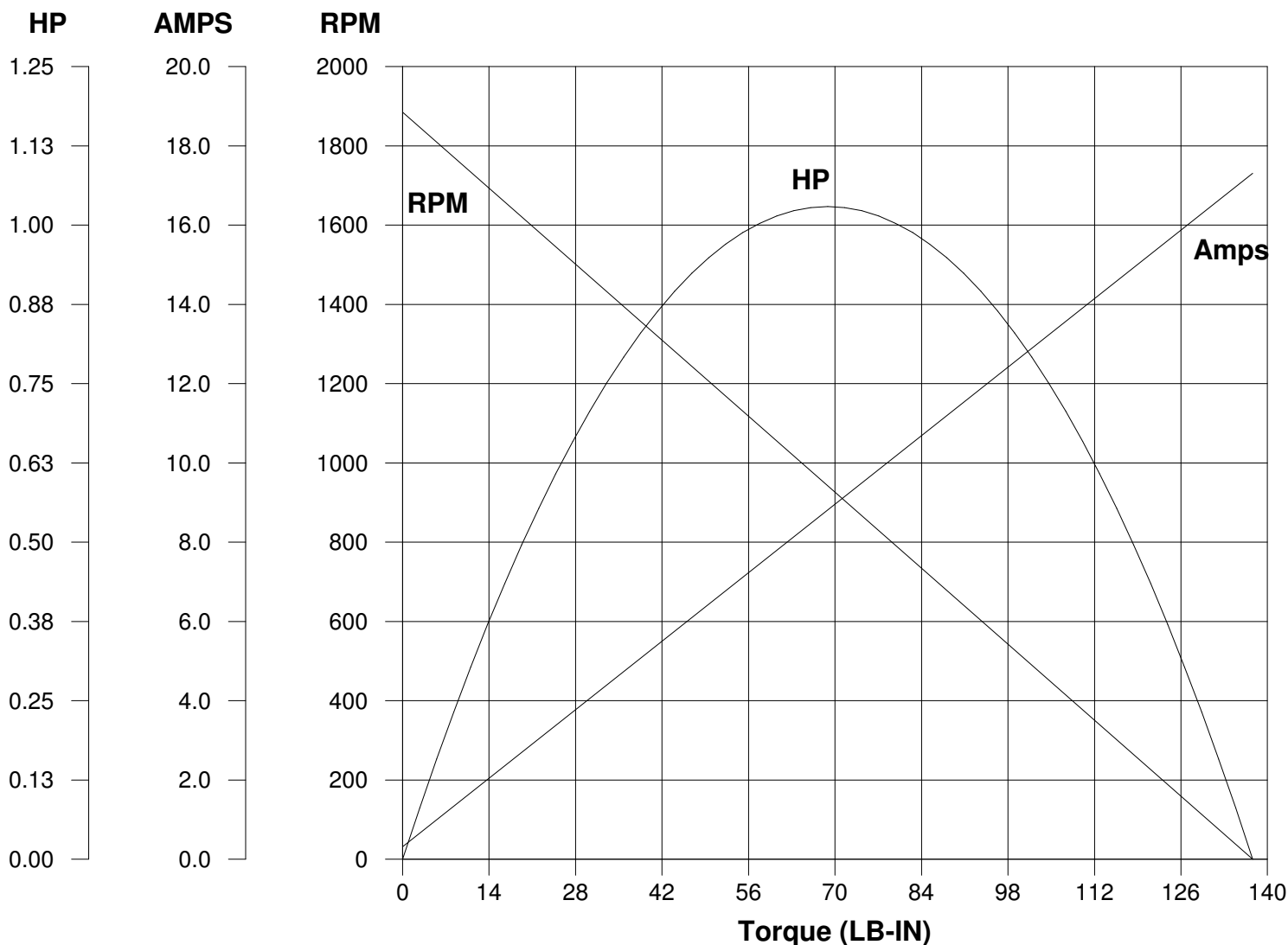
				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.	DRAWN TJF 11/15/97			
				DEC.	INCHES		CHK			
F	CHG FROM LEESON TO RRX TEMPLATE AS PER ECR-0237142	KVDG 09/19/24	DS	.X	±.1		APPD POW 11/15/97			
E	"MOTOR" WAS "ARMATURE", ECO-0163602	IPG 3/14/19		.XX	±.01	TITLE EXTERNAL WIRING DIAGRAM PMDc MOTOR			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. C42D17FK3CCatalog No. 098003.00HP 0.250RPM 1750DC Volts 180.0N.P. FLA 1.40F.F. 1.38Encl TEFCType DFS.F. 1.00Max. Amb. 40.0 Deg CInsul. FFrame MSS56CDuty CONT

Ra 5.7600 Ohms
 La 65.38 mHenrys
 Ja 15.75 LB-IN²
 Ke 91.28 V/KRPM

Kt 7.715 LB-IN/AMP
 Imax 28.0 AMPS Allowed
 FL Torque 12.00 LB-IN
 FL EFF 78.80 %

Winding W- D47210Prepared by V. BoehlenDate 04-29-2005