

PRODUCT INFORMATION PACKET



Model No: 098032.00
Catalog No: 098032.00
0.75 HP SCR Motor, 1750 RPM, 90 V, 56C Frame, TEFC
SCR Motors



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The Regal logo is located in the bottom right corner. It features the word "REGAL" in a white, sans-serif font, set against a dark blue background with a halftone dot pattern. The logo is partially enclosed by a white diagonal line.



Nameplate Specifications

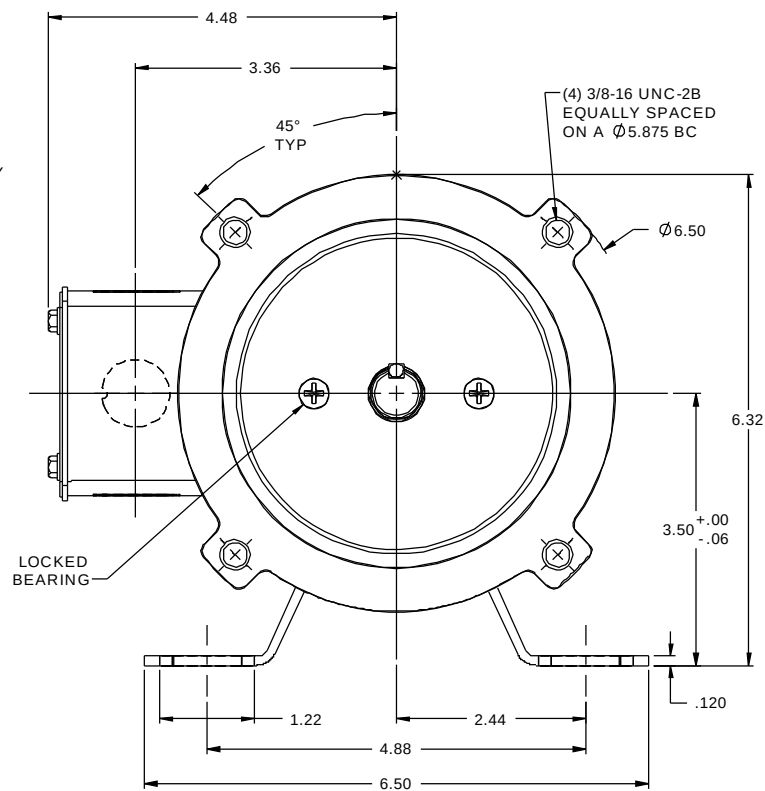
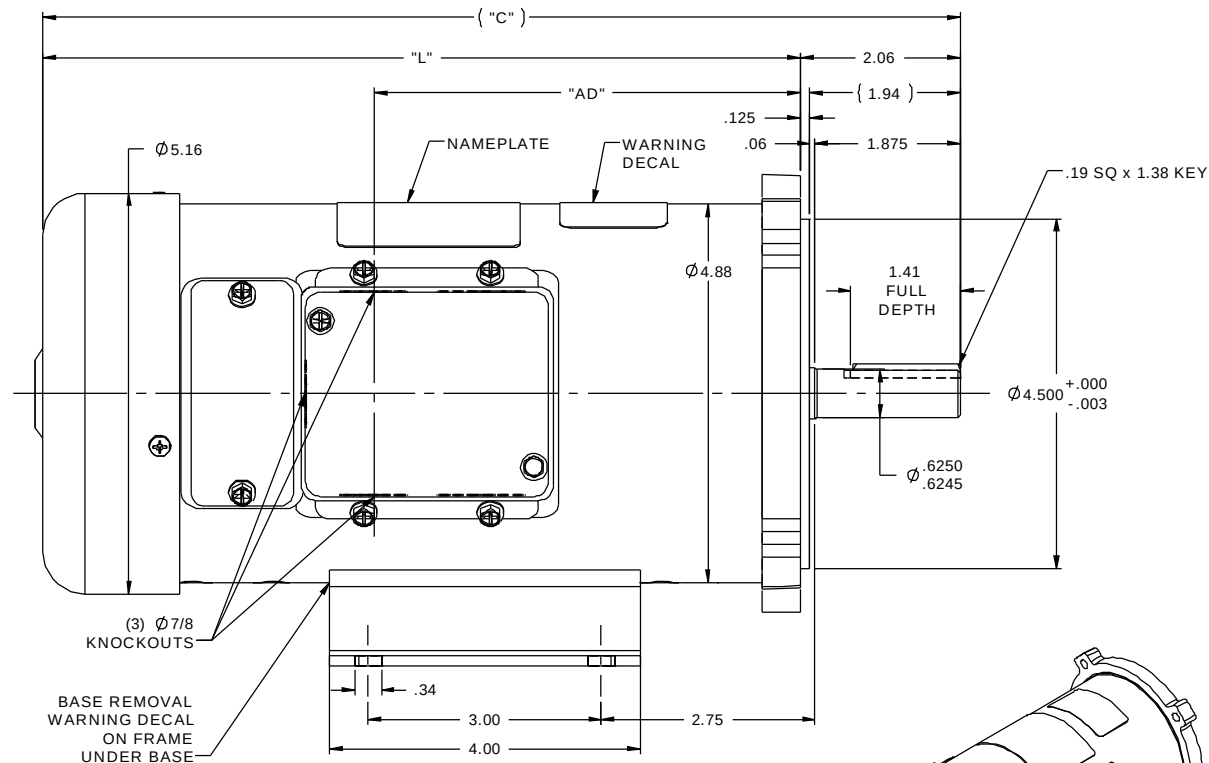
Output HP	0.75 Hp	Output KW	0.56 kW
Voltage	90 V	Current	7.6 A
Speed	1750 rpm	Service Factor	1
Efficiency	84.2 %	Duty	Continuous
Insulation Class	F	Frame	USS56C
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	No
Ambient Temperature	40 °C	Drive End Bearing Size	6203
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	N

Technical Specifications

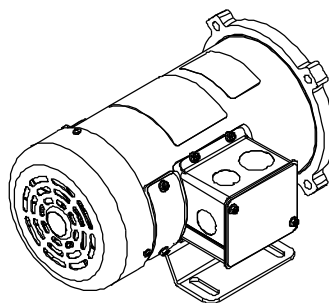
Rotation	Reversible	Mounting	Rigid C base
Overall Length	13.81 in	Frame Length	9.50 in
Shaft Diameter	0.625 in	Shaft Extension	2.06 in
Connection Drawing	00531901	Outline Drawing	027620-098032

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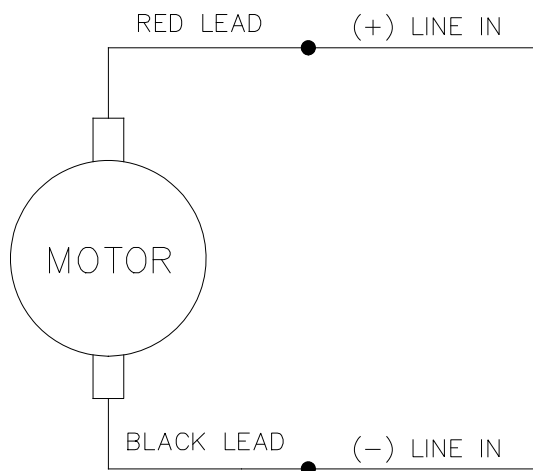
- NOTES:
1) MAXIMUM FACE RUNOUT .004 T.I.R.
2) MAXIMUM PILOT ECCENTRICITY .004 T.I.R.
3) PERMISSIBLE SHAFT RUNOUT .002 T.I.R.
4) GASKETS THROUGHOUT.



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		APPR	
08 REDRAWN IN SOLIDWORKS, MODIFIED TABLE PER NEW STANDARD		JPG 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		JPG 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	
		NETWORK FILE NAME 027620						REV 08	

005319.01



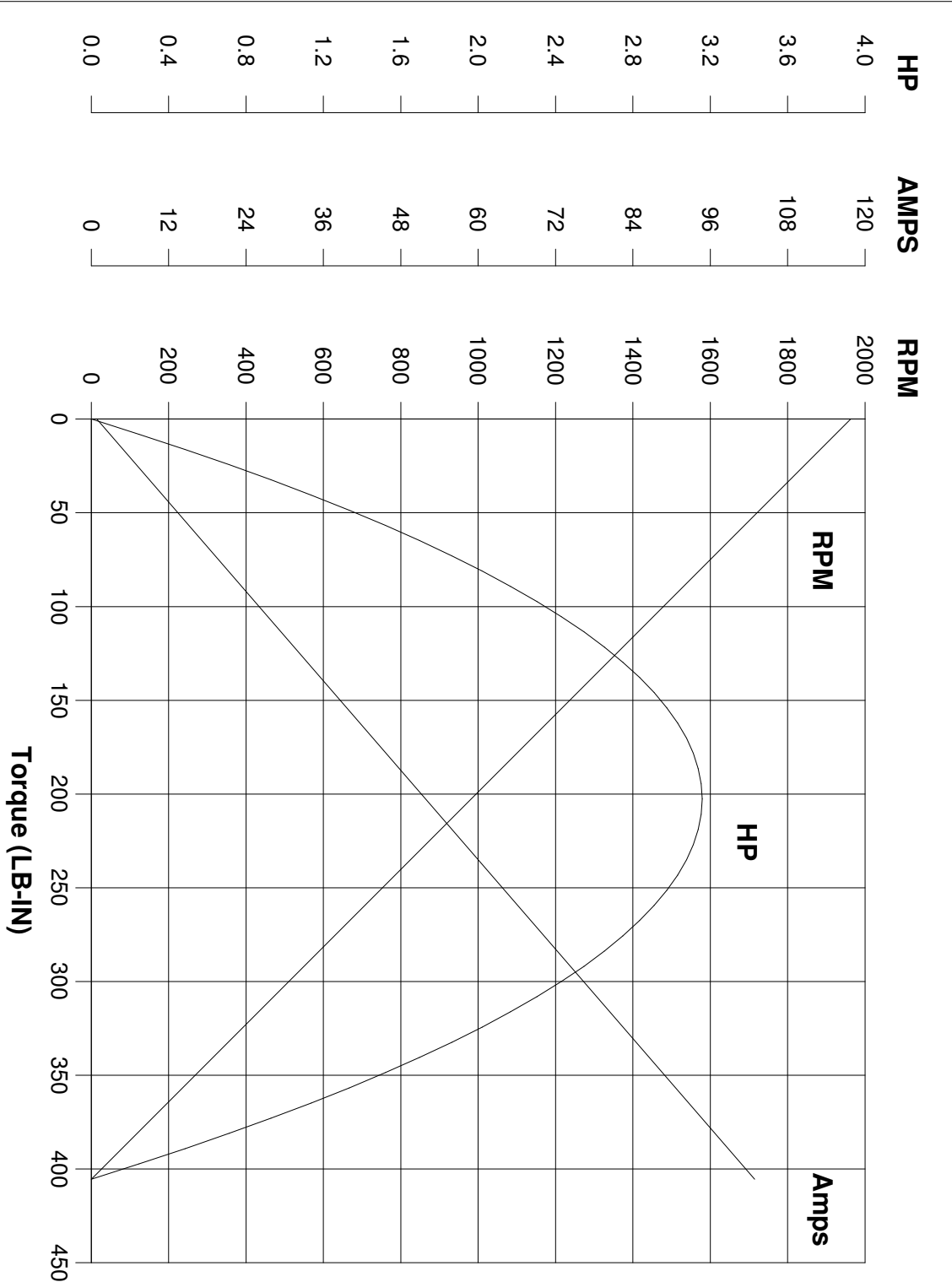
CONNECTIONS SHOWN FOR CCW ROTATION FACING LEAD END OF THE MOTOR
TO REVERSE ROTATION INTERCHANGE LINE LEADS

			TOLERANCES UNLESS SPECIFIED			ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN TJF 11/15/97		
			DEC.	INCHES				CHK		
			.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	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				A	005319.01		E

LEESON ELECTRIC CORPORATION
TYPICAL PERFORMANCE CURVE
FOR
DIRECT CURRENT PERMANENT MAGNET MOTOR

Model No. C42D17FK7 Catalog No. 098032.00

HP	0.750	RPM	1750	DC Volts	90.0	N.P. FLA	7.60
F.F.	1.38	Encl	TEFC	Type	DF	S.F.	1.00
Max. Amb.	40.0 Deg C	Insul.	F	Frame	USS56C	Duty	Cont



Ra	0.5650	Ohms	Kt	3.858	LB-IN/AMP
La	8.800	mHenrys	Imax	89.8	AMPS Allowed
Ja	12.50	LB-IN^2	FL Torque	27.00	LB-IN
Ke	45.64	V/KRPM	FL EFF	84.20	%

Winding W- D472293-1 Prepared by V. Boehlen Date 04-29-2005