

PRODUCT INFORMATION PACKET

Model No: 098032.00

Catalog No: 098032.00

SCR Motor, 0.75 HP, 90 V, 1750 RPM, SS56C Frame, TEFC



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Nameplate Specifications

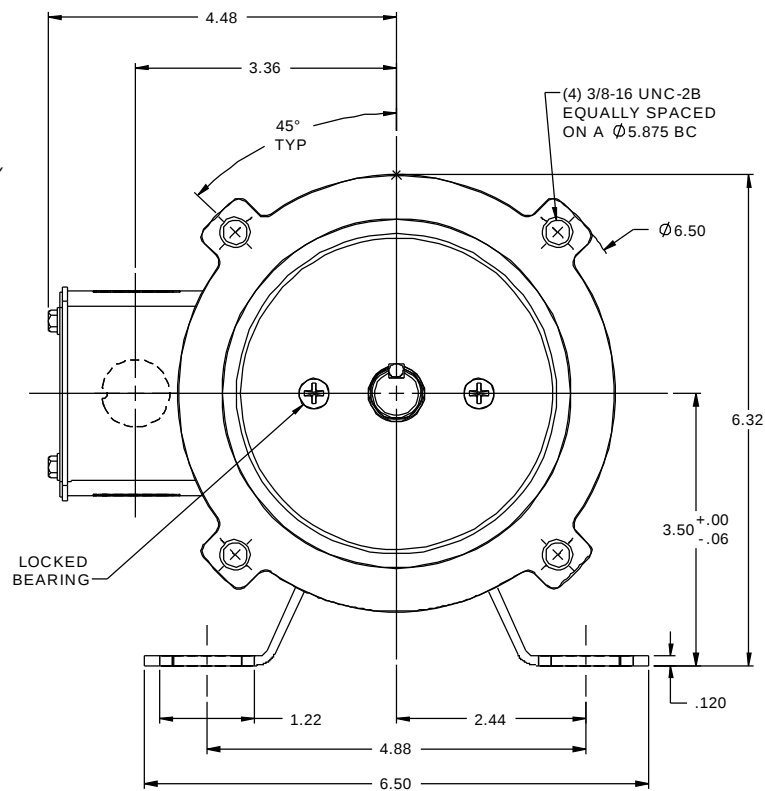
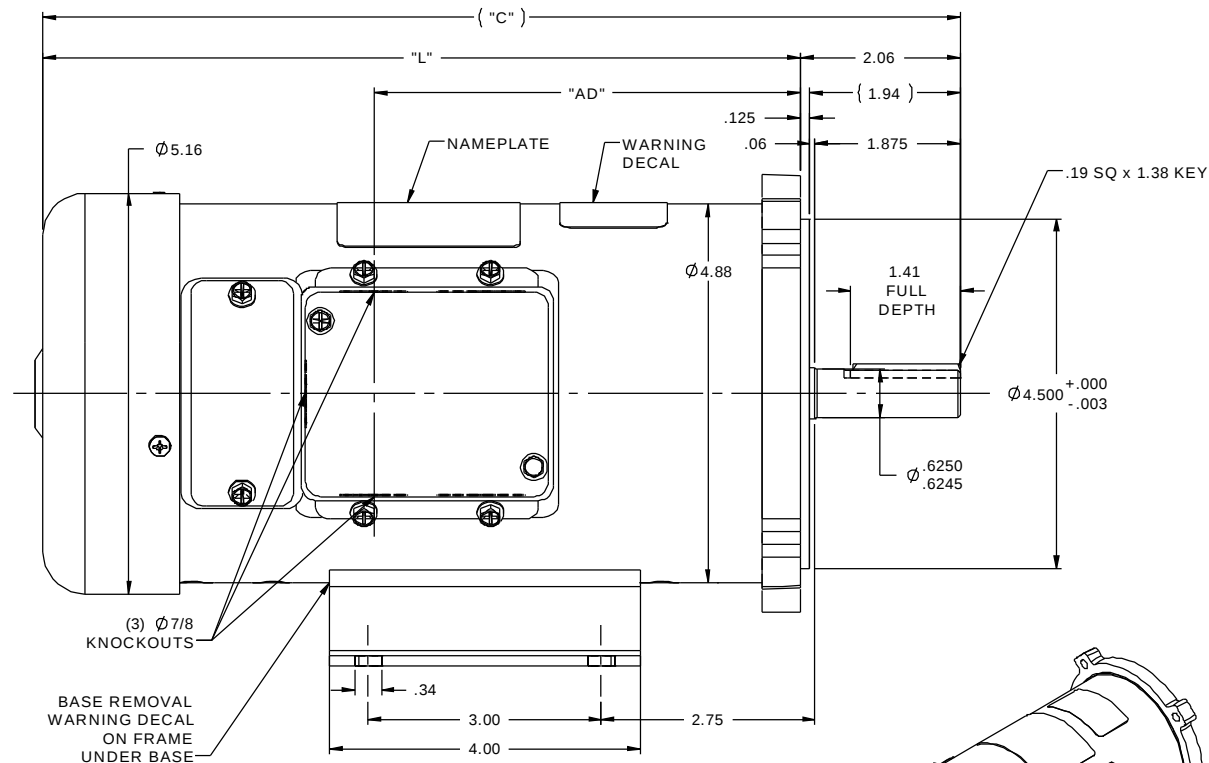
Output HP	0.75 Hp	Output KW	0.56 kW
Voltage	90 V	Current	7.6 A
Speed	1750 rpm	Service Factor	1
Efficiency	84.2 %	Duty	Continuous
Insulation Class	F	Frame	SS56C
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	No Protection
Ambient Temperature	40 °C	Drive End Bearing Size	6203
Opp Drive End Bearing 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
Torque	27 LB-IN		
Connection Drawing	00531901	Outline Drawing	027620-098032

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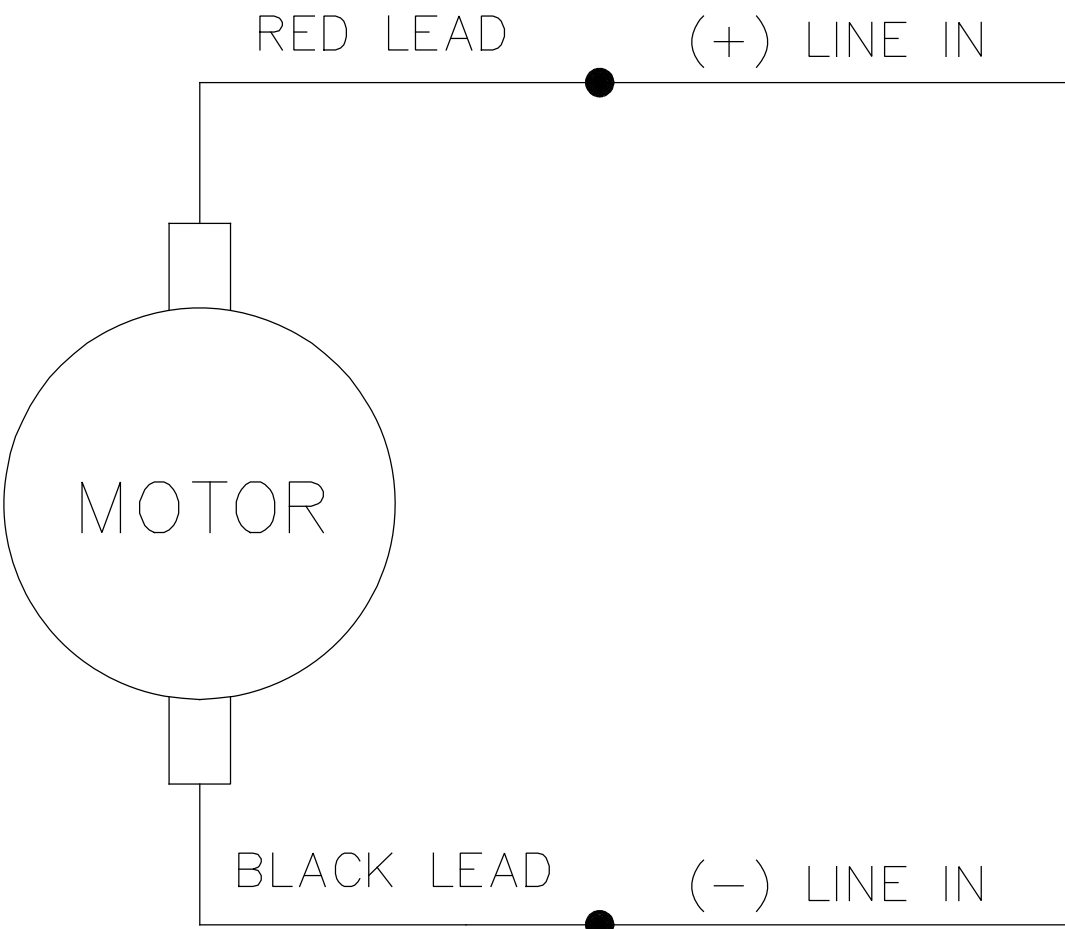


- NOTES:
- 1) MAXIMUM FACE RUNOUT .004 T.I.R.
 - 2) MAXIMUM PILOT ECCENTRICITY .004 T.I.R.
 - 3) PERMISSIBLE SHAFT RUNOUT .002 T.I.R.
 - 4) GASKETS THROUGHOUT.

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	
08		REDRAWN IN SOLIDWORKS. MODIFIED TABLE PER NEW STANDARD		IPG 9/8/2011		XX		±.03		TITLE OUTLINE	
						XXX		±.005		42 FRAME DC - SS56C MOUNT	
07		ADDED FAN GUARD HOLE PLUG. ISAAC 10-4174		IPG 10/11/10		XXXX		±.0005		MATERIAL	
NO		REVISION		BY & DATE		CHK		ANG		FINISH	
						RFP		PREV		PAGE OF	
		THIRD ANGLE PROJECTION								SIZE	
										DRAWING NO	
										B	
										027620	
										REV	
										08	

005319.01



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

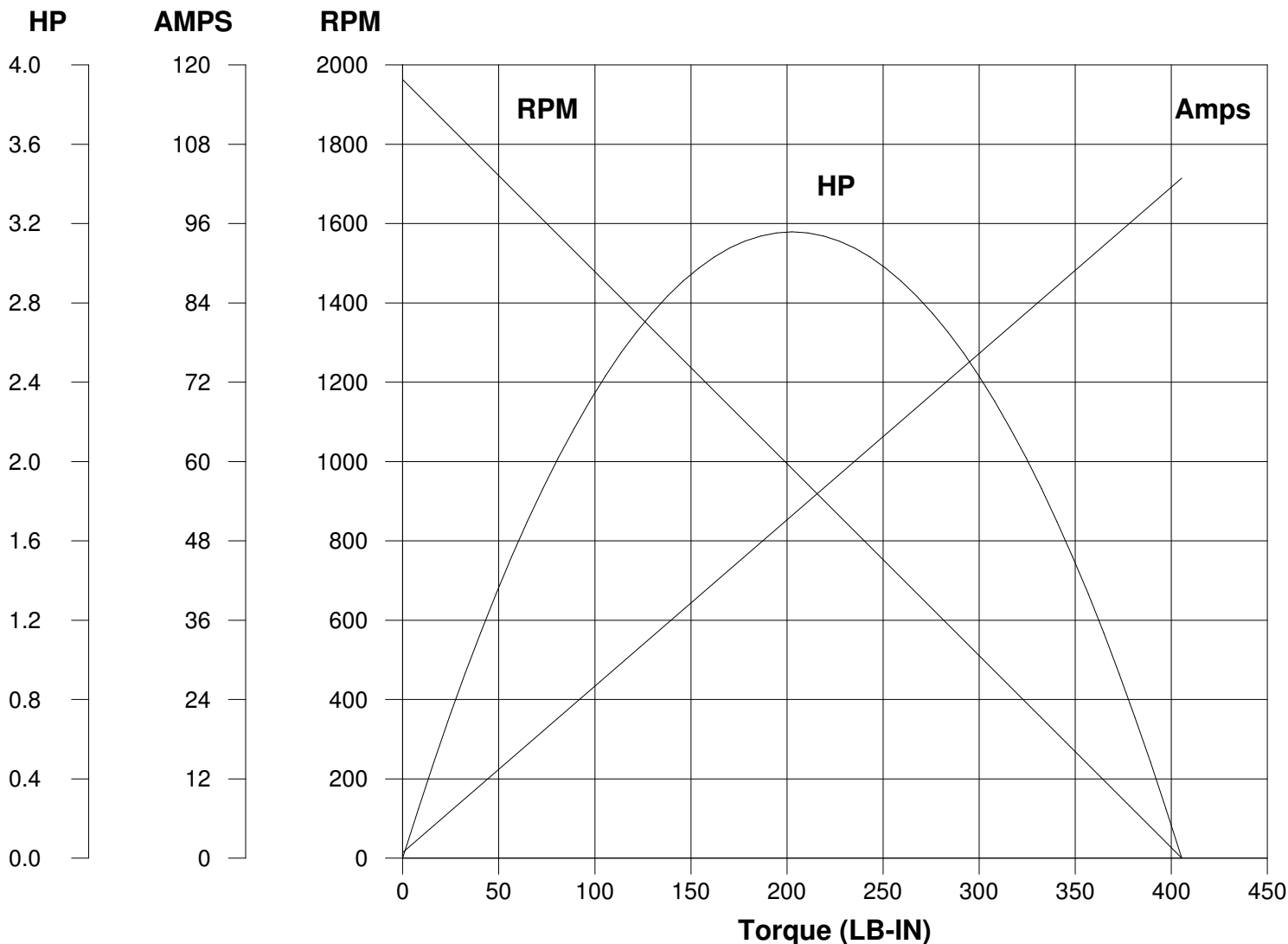
				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN TJF 11/15/97			
				DEC.	INCHES		CHK			
				.X	±.1		APPD POW 11/15/97			
E	"MOTOR" WAS "ARMATURE", ECO-0163602	IPG 3/14/19		.XX	±.01	TITLE EXTERNAL WIRING DIAGRAM PMDC MOTOR			SCALE 1=2	
D	UPDATED TO MAKE IT GENERIC, ECO-0163547	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	±1/2"	FINISH			PREV	
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			DIST				A	005319.01		E

LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE

FOR

DIRECT CURRENT PERMANENT MAGNET MOTOR

Model No. C42D17FK7Catalog No. 098032.00HP 0.750RPM 1750DC Volts 90.0N.P. FLA 7.60F.F. 1.38Encl TEFCType DFS.F. 1.00Max. Amb. 40.0 Deg CInsul. FFrame USS56CDuty Cont

Ra 0.5650 Ohms
 La 8.800 mHenrys
 Ja 12.50 LB-IN²
 Ke 45.64 V/KRPM

Kt 3.858 LB-IN/AMP
 Imax 89.8 AMPS Allowed
 FL Torque 27.00 LB-IN
 FL EFF 84.20 %

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