

PRODUCT INFORMATION PACKET



Model No: 098008.00
Catalog No: 098008.00
SCR Motor, 0.50 HP, 180 V, 1750 RPM, SS56C Frame, TEFC



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Nameplate Specifications

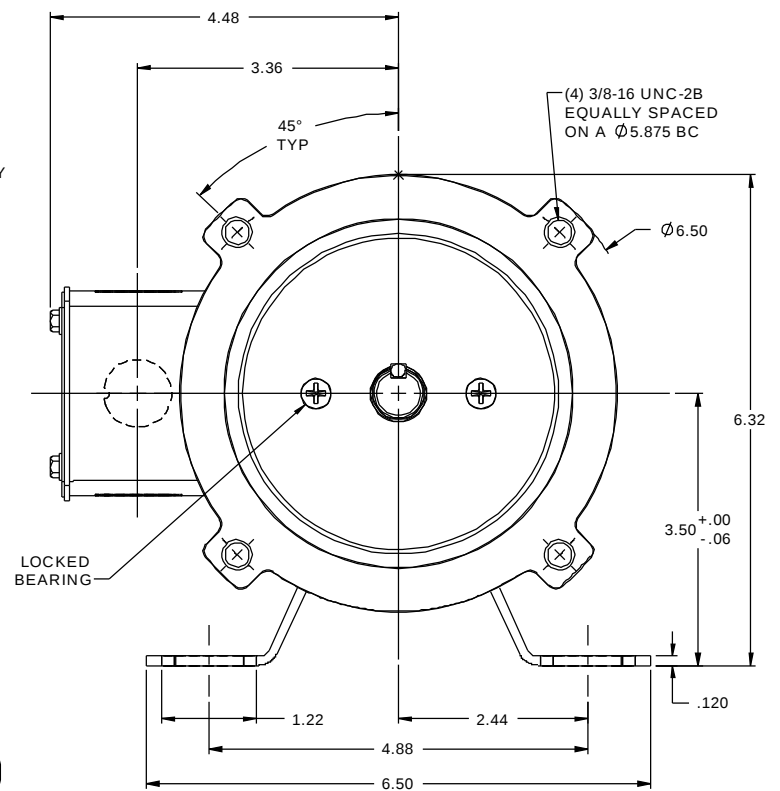
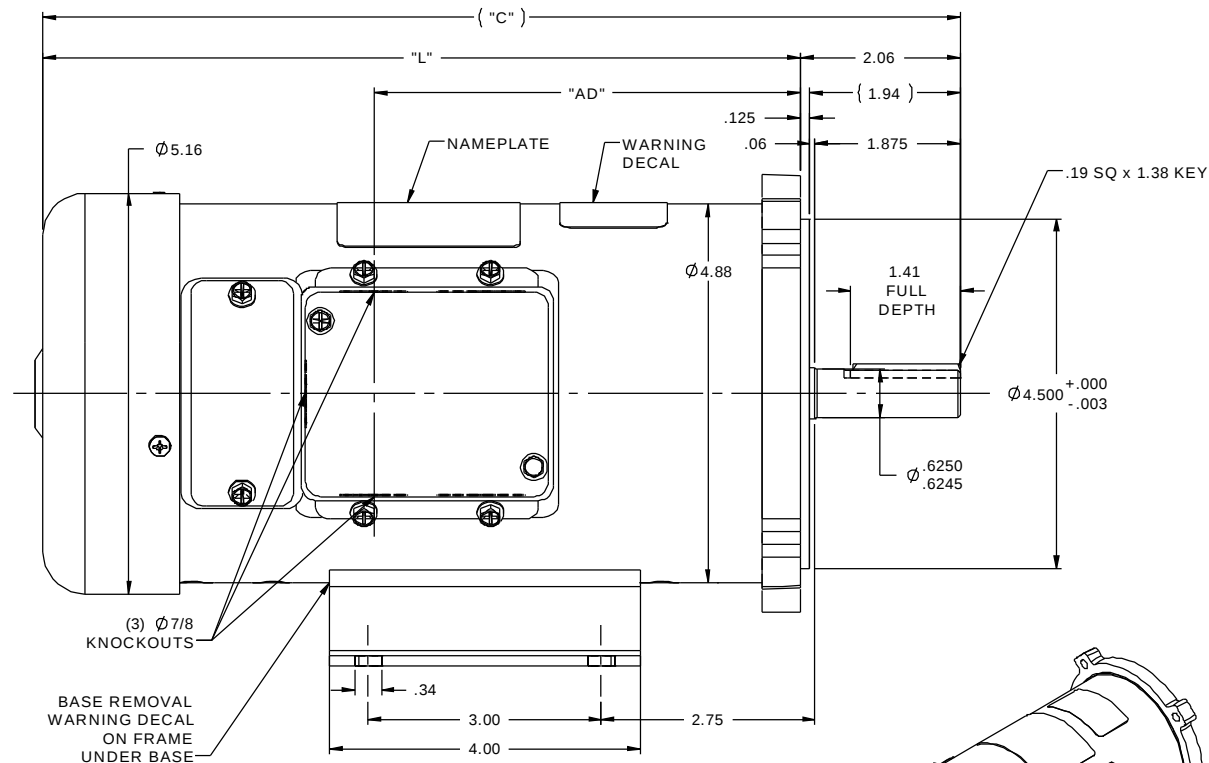
Output HP	0.50 Hp	Output KW	0.37 kW
Voltage	180 V	Speed	1750 rpm
Service Factor	1.0	Frame	SS56C
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	No Protection
Efficiency	83.7 %	Ambient Temperature	40 °C
Current	2.5 A	Duty	Continuous
Insulation Class	F	Drive End Bearing Size	6203
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	N

Technical Specifications

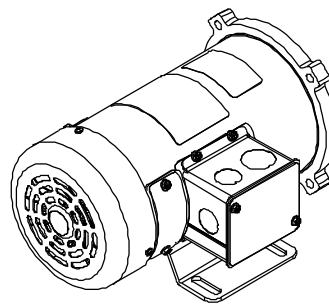
Rotation	Reversible	Mounting	Rigid C base
Overall Length	11.81 in	Frame Length	7.50 in
Shaft Diameter	0.625 in	Shaft Extension	2.06 in
Torque	18.0 LB-IN		
Outline Drawing	027620-098008	Connection Drawing	00531901

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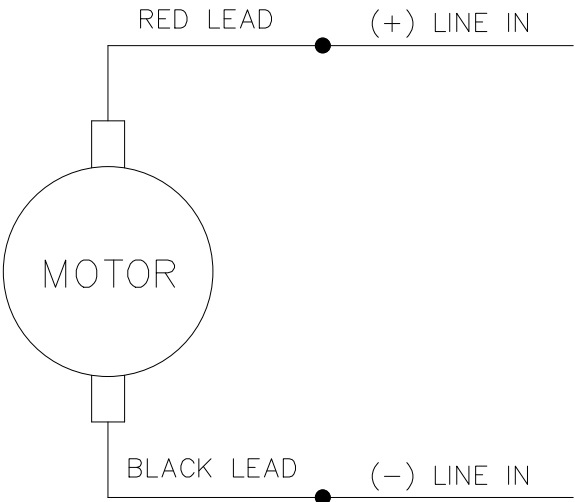


- NOTES:
1) MAXIMUM FACE RUNOUT .004 T.I.R.
2) MAXIMUM PILOT ECCENTRICITY .004 T.I.R.
3) PERMISSIBLE SHAFT RUNOUT .002 T.I.R.
4) GASKETS THROUGHOUT.



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		LEESON		CHK	
		X ±.1				APPR	
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	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

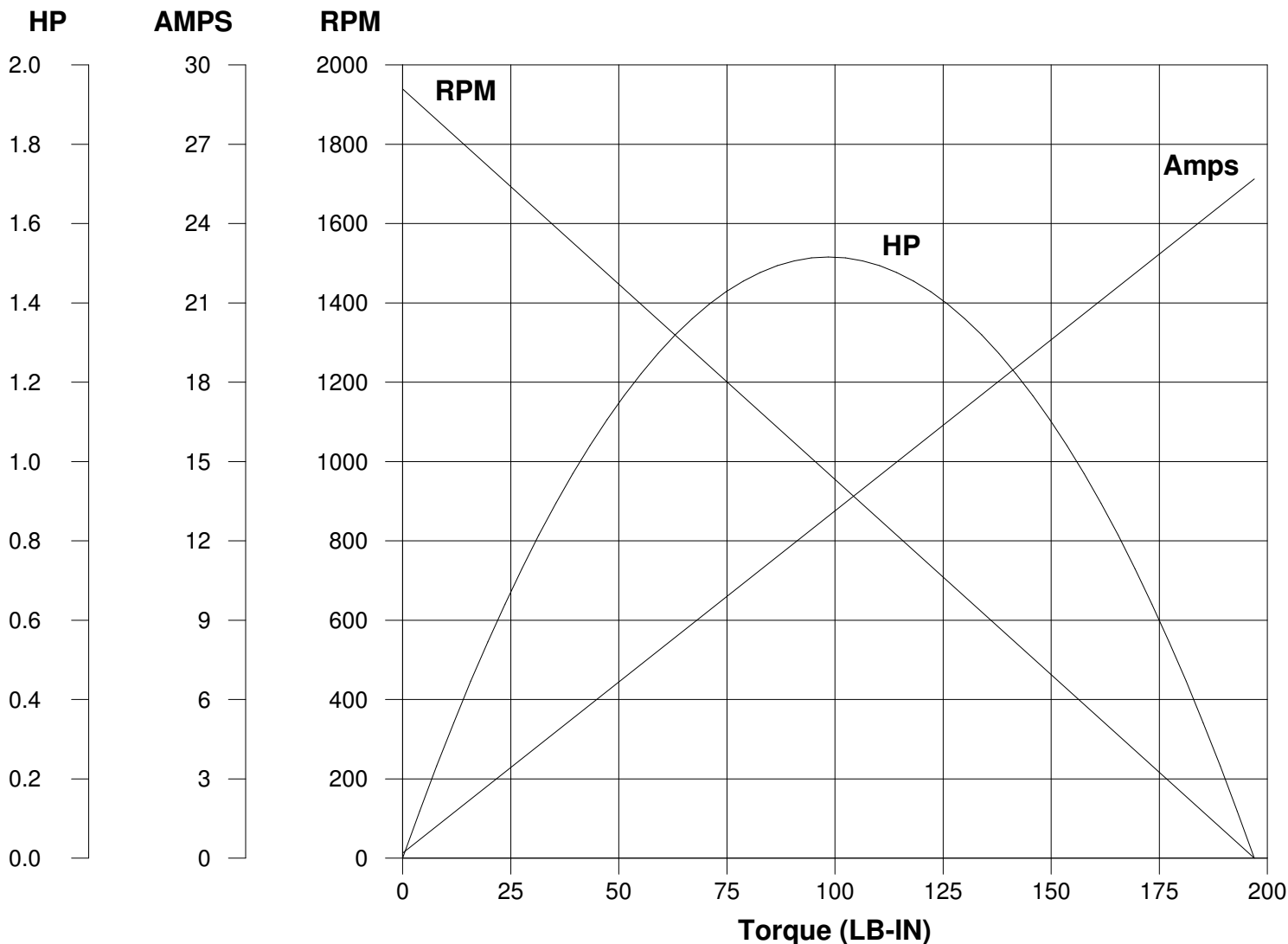
				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.	DRAWN TJF 11/15/97				
				DEC.	INCHES		CHK				
F	CHG FROM LEESON TO RRX TEMPLATE AS PER ECR-0237142	KVDG 09/19/24	DS	.X	±.1		APPD POW 11/15/97				
E	"MOTOR" WAS "ARMATURE", ECO-0163602	IPG 3/14/19		.XX	±.01	TITLE EXTERNAL WIRING DIAGRAM PMD C 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		4 of 5			A	005319.01		F

LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE

FOR

DIRECT CURRENT PERMANENT MAGNET MOTOR

Model No. C42D17FK6Catalog No. 098008.00HP 0.500RPM 1750DC Volts 180.0N.P. FLA 2.50F.F. 1.38Encl TEFCType DFS.F. 1.00Max. Amb. 40.0 Deg CInsul. FFrame NSS56CDuty Cont

Ra 3.9230 Ohms
 La 59.50 mHenrys
 Ja 7.813 LB-IN²
 Ke 93.11 V/KRPM

Kt 7.870 LB-IN/AMP
 Imax 29.9 AMPS Allowed
 FL Torque 18.00 LB-IN
 FL EFF 83.60 %

Winding W- D4726-1Prepared by V. BoehlenDate 04-29-2005