

PRODUCT INFORMATION PACKET

Model No: 108018.00

Catalog No: 108018.00

SCR Motor, 0.75 HP, 90 V, 1750 RPM, S56C Frame, TEFC



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Nameplate Specifications

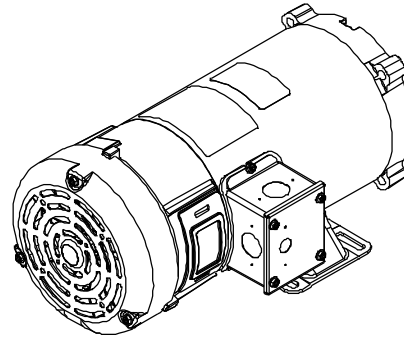
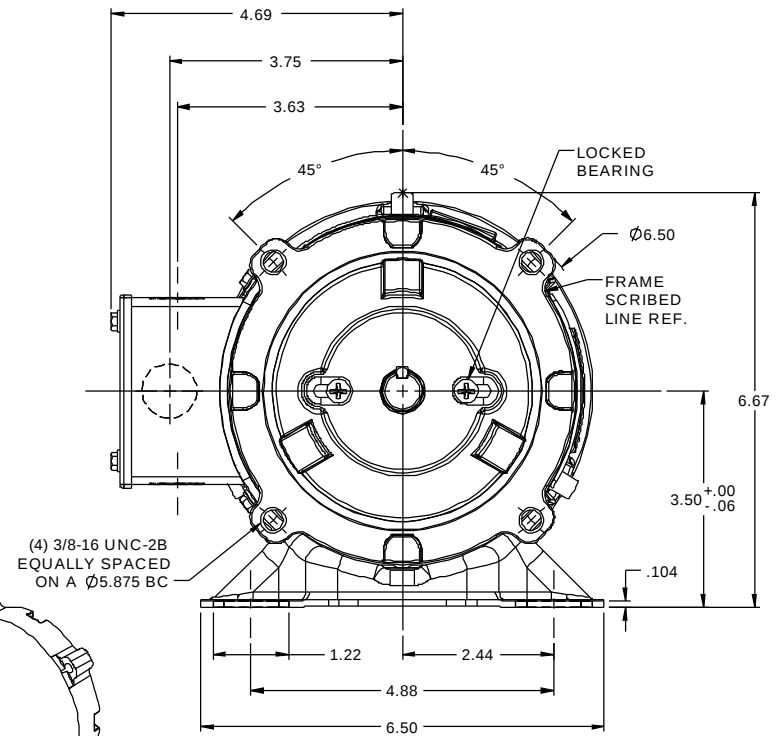
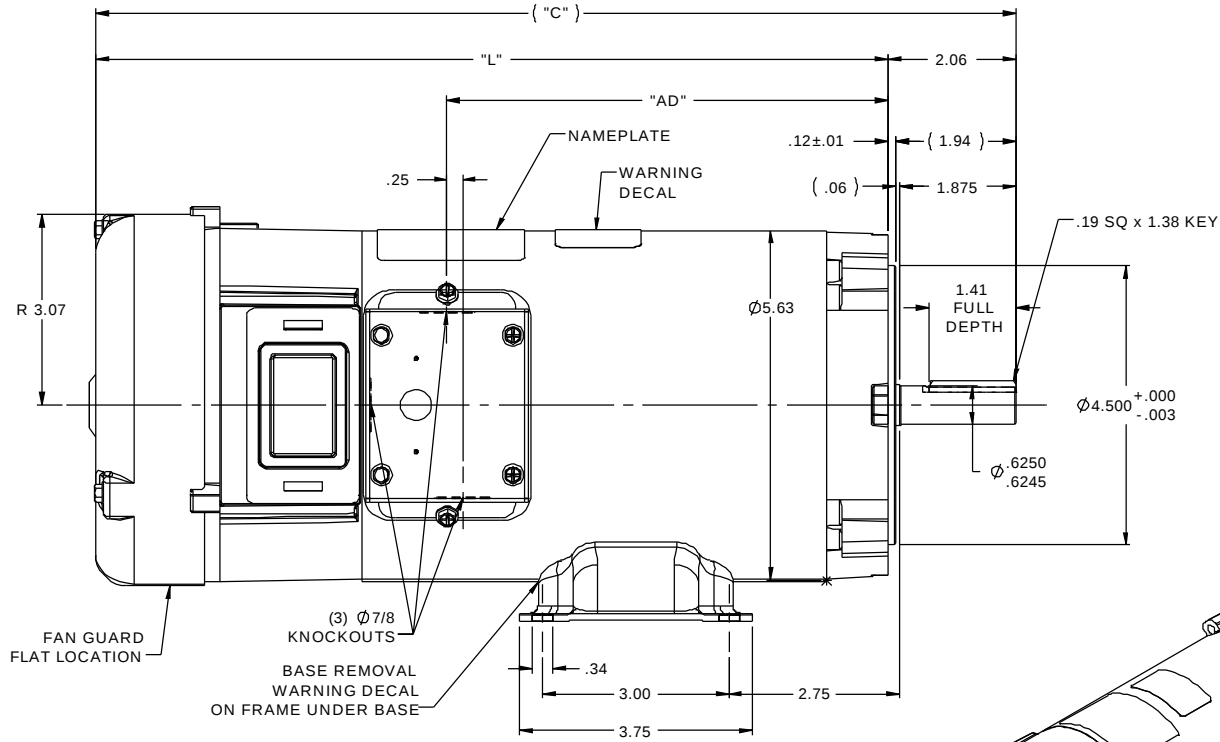
Output HP	0.75 Hp	Output KW	0.56 kW
Voltage	90 V	Current	7.5 A
Speed	1750 rpm	Service Factor	1
Efficiency	82.2 %	Duty	Continuous
Insulation Class	F	Frame	S56C
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	No Protection
Ambient Temperature	40 °C	Drive End Bearing Size	6203
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	N

Technical Specifications

Rotation	Reversible	Mounting	Rigid C base
Overall Length	13.82 in	Frame Length	6.47 in
Shaft Diameter	0.625 in	Shaft Extension	2.06 in
Torque	27 LB-IN		
Connection Drawing	00531901	Outline Drawing	031879-108018

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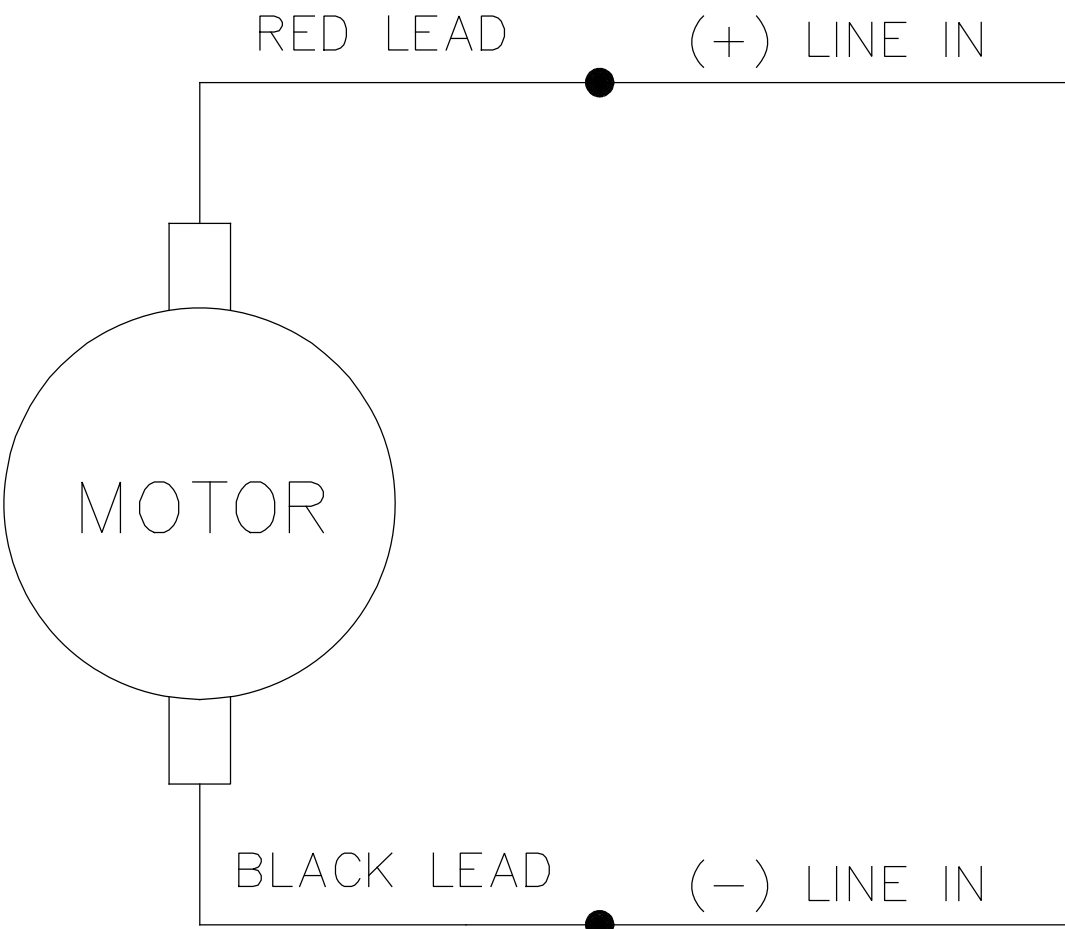


- NOTES:
1) MAXIMUM FACE RUNOUT .004 T.I.R.
2) MAXIMUM PILOT ECCENTRICITY .004 T.I.R.
3) PERMISSIBLE SHAFT RUNOUT .002 T.I.R.
4) GASKETS THROUGHOUT

109100.00	15.82	13.76	8.10	90	3/4	1140
109099.00	14.32	12.26	6.60	90	1/2	1140
109098.00	12.82	10.76	5.10	90	1/3	1140
108265.00	15.32	13.26	7.60	180	1 1/2	2500
108092.00	16.82	14.76	9.10	180	1 1/2	1750
108023.00	14.82	12.76	7.10	180	1	1750
108022.00	14.82	12.76	7.10	90	1	1750
108021.00	13.82	11.76	6.10	180	1	2500
108020.00	13.32	11.26	5.60	90	1	2500
108019.00	13.82	11.76	6.10	180	3/4	1750
108018.00	13.82	11.76	6.10	90	3/4	1750
108017.00	12.82	10.76	5.10	180	3/4	2500
108016.00	12.82	10.76	5.10	90	3/4	2500
108015.00	12.82	10.76	5.10	180	1/2	1750
108014.00	12.82	10.76	5.10	90	1/2	1750
CATALOG No.	"C"	"L"	"AD"	VOLTS	H.P.	RPM

06	CHANGED .06 & 1.94 DIMS TO REF, ISAAC 12-0984	IPG 1/30/2013	TOLERANCES UNLESS SPECIFIED	DEC INCHES	LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN RWS 1/8/08
05	ADDED NOTE ABOUT FAN GUARD LOCATION, ISAAC 09-4813	IPG 12/4/2009	DEC INCHES	DEC INCHES	CHK IPG 1/9/08	APPR
04	CAT. # 108092.00: "C" WAS 17.32, "L" WAS 15.26, "AD" WAS 9.60, ISAAC 09-1828	IPG 5/14/2009	X	±.1	TITLE OUTLINE	SCALE 1:2
03	ADDED DATA FOR VARIOUS CAT. NUMBERS, COMPLETED	IPG 9/15/2008	XXX	±.005	48 FRAME DC - S56C MOUNT	REF 031189.00
TABLE			XXXX	±.0005	MAT'L	FMF 108022.75
NO	REVISION	BY & DATE	CHK	ANG	FINISH	PAGE OF
	THIRD ANGLE PROJECTION		RFP	PREV	SIZE B	DRAWING NO 031879
				NETWORK FILE NAME 031879		REV 06

005319.01



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

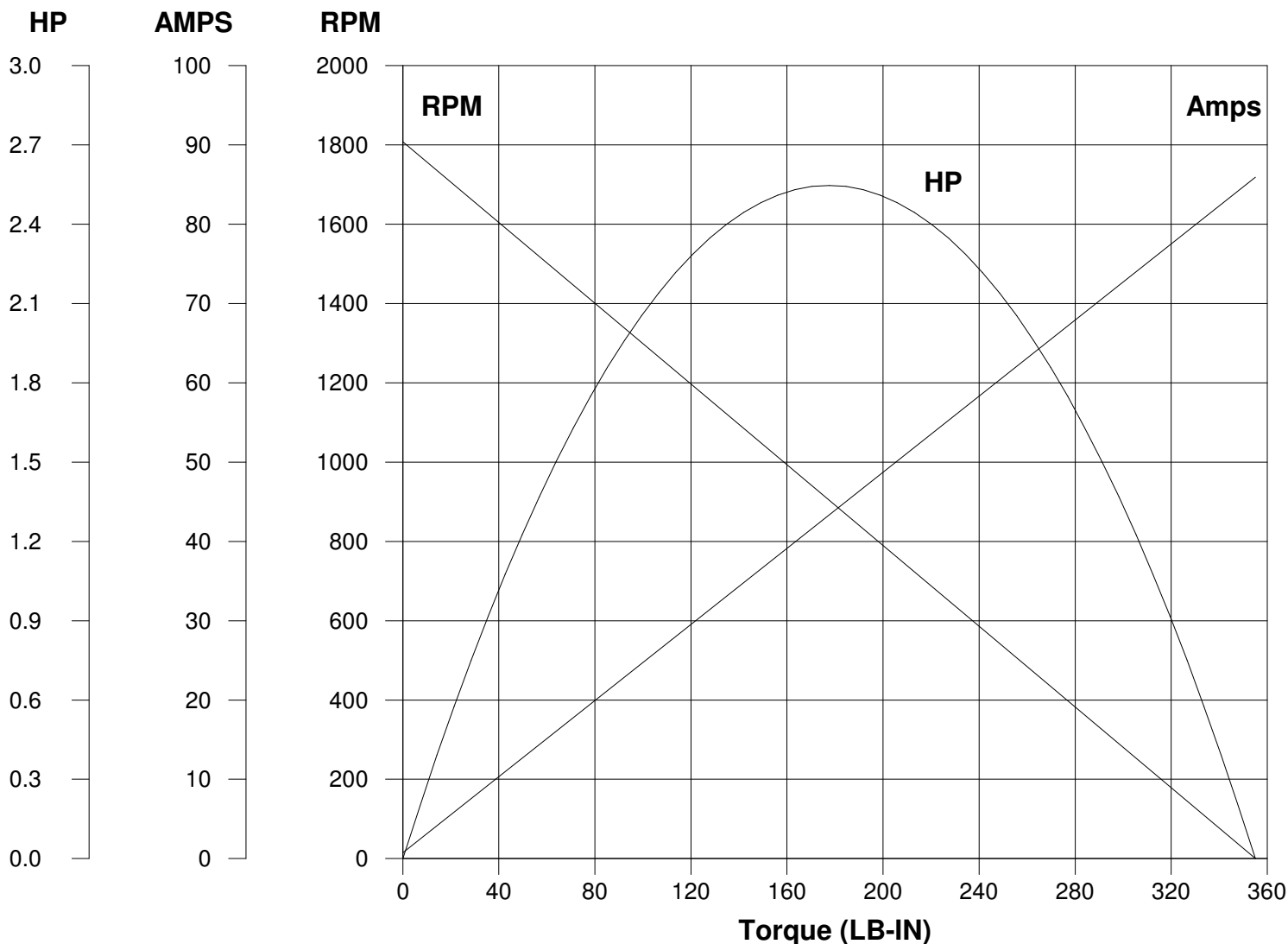
				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN TJF 11/15/97			
				DEC.	INCHES		CHK			
				.X	±.1		APPD POW 11/15/97			
E	"MOTOR" WAS "ARMATURE", ECO-0163602	IPG 3/14/19		.XX	±.01	TITLE EXTERNAL WIRING DIAGRAM PMDC MOTOR		SCALE 1=2		
D	UPDATED TO MAKE IT GENERIC, ECO-0163547	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		
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. C4D17FK3Catalog No. 108018.00HP 0.750RPM 1750DC Volts 90.0N.P. FLA 7.50F.F. 1.38Encl TEFCType DFS.F. 1.00Max. Amb. 40.0 Deg CInsul. FFrame S56CDuty Cont

Ra 0.6200 Ohms
 La 8.500 mHenrys
 Ja 10.40 LB-IN²
 Ke 49.33 V/KRPM

Kt 4.170 LB-IN/AMP
 Imax 75.0 AMPS Allowed
 FL Torque 27.00 LB-IN
 FL EFF 82.20 %

Winding W- D56215-1Prepared by S. BernhardtDate 05-05-2009