

PRODUCT INFORMATION PACKET



Model No: 108023.00
Catalog No: 108023.00
SCR Motor, 1 HP, 180 V, 1750 RPM, S56C Frame, TEFC



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**Nameplate Specifications**

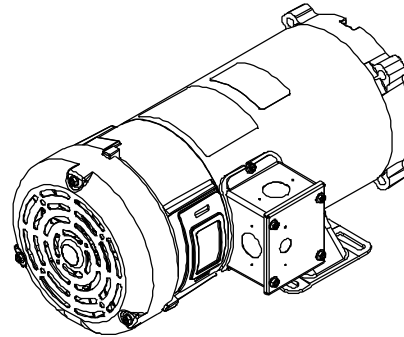
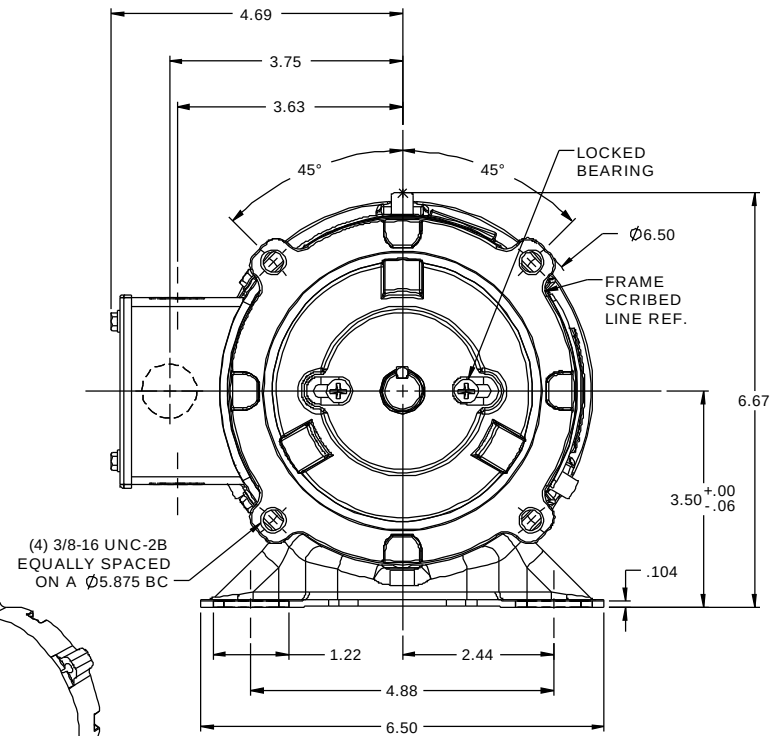
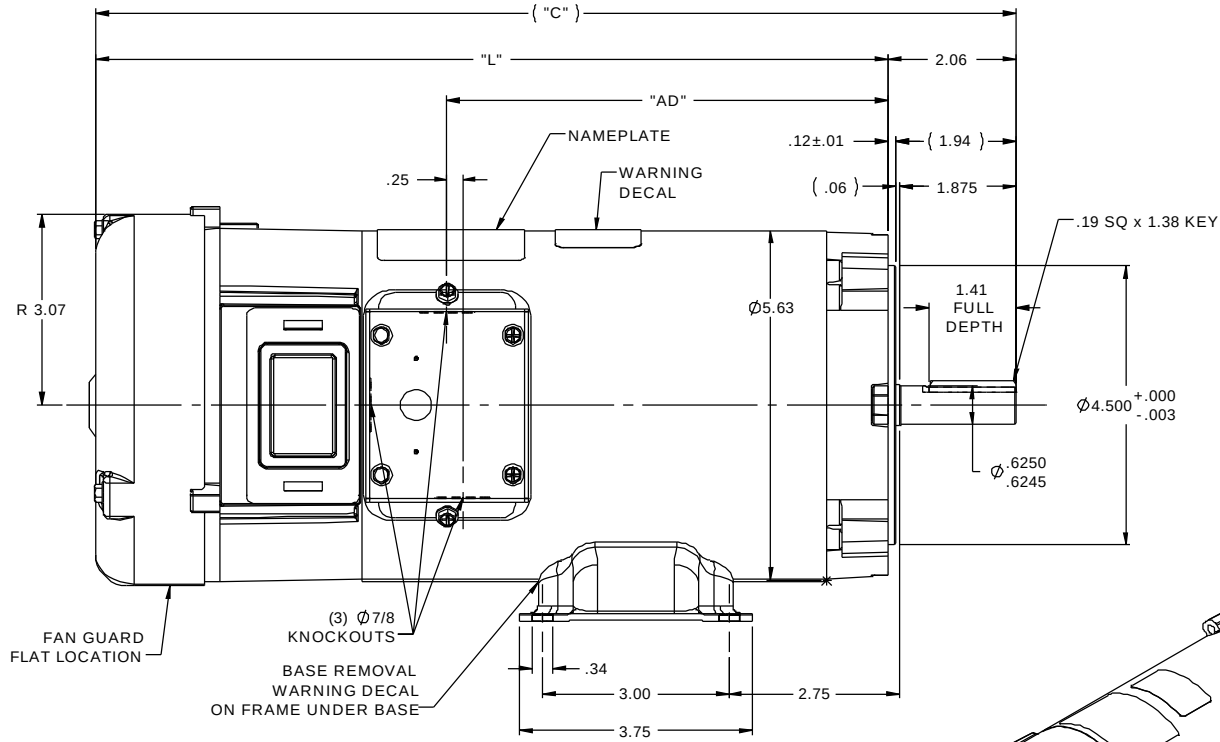
Output HP	1 Hp	Output KW	0.75 kW
Voltage	180 V	Speed	1750 rpm
Service Factor	1.0	Frame	S56C
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	No Protection
Efficiency	85 %	Ambient Temperature	40 °C
Current	5.0 A	Duty	Continuous
Insulation Class	F	Drive End Bearing Size	6203
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	N

Technical Specifications

Rotation	Reversible	Mounting	Rigid C base
Overall Length	14.82 in	Frame Length	7.47 in
Shaft Diameter	0.625 in	Shaft Extension	2.06 in
Torque	36 LB-IN		
Connection Drawing	00531901	Outline Drawing	031879-108023

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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

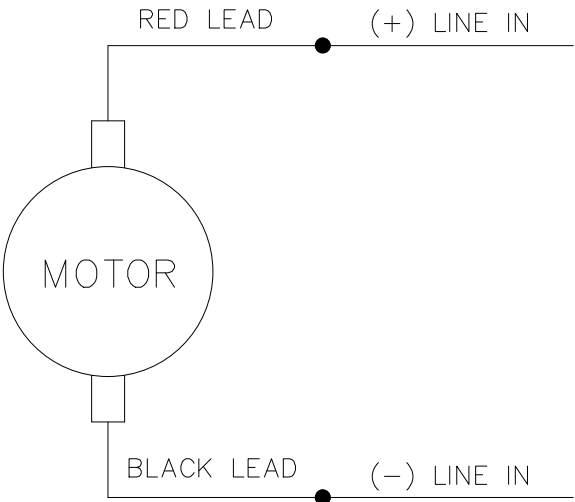
109100.00	15.82	13.76	8.10	90	3/4	1140
109099.00	14.32	12.26	6.60	90	1/2	1140
109098.00	12.82	10.76	5.10	90	1/3	1140
108265.00	15.32	13.26	7.60	180	1 1/2	2500
108092.00	16.82	14.76	9.10	180	1 1/2	1750
108023.00	14.82	12.76	7.10	180	1	1750
108022.00	14.82	12.76	7.10	90	1	1750
108021.00	13.82	11.76	6.10	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					
05	ADDED NOTE ABOUT FAN GUARD LOCATION, ISAAC 09-4813	IPG	12/4/2009		DEC	INCHES				
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				
03	ADDED DATA FOR VARIOUS CAT. NUMBERS, COMPLETED	IPG	9/15/2008		XXX	±.005				
	TABLE				XXXX	±.0005				
NO	REVISION	BY & DATE	CHK	ANG	±1/2°	FINISH				
			RFP			PREV				
	THIRD ANGLE PROJECTION									
					NETWORK FILE NAME	031879				
					SIZE	B				
					DRAWING NO	031879				
					REV	06				



ELECTRIC MOTORS
GEARMOTORS
AND DRIVES

DRAWN	RWS 1/8/08
CHK	IPG 1/9/08
APPR	
SCALE	1:2
REF	031889.00
FMF	108022.75
PAGE	OF



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

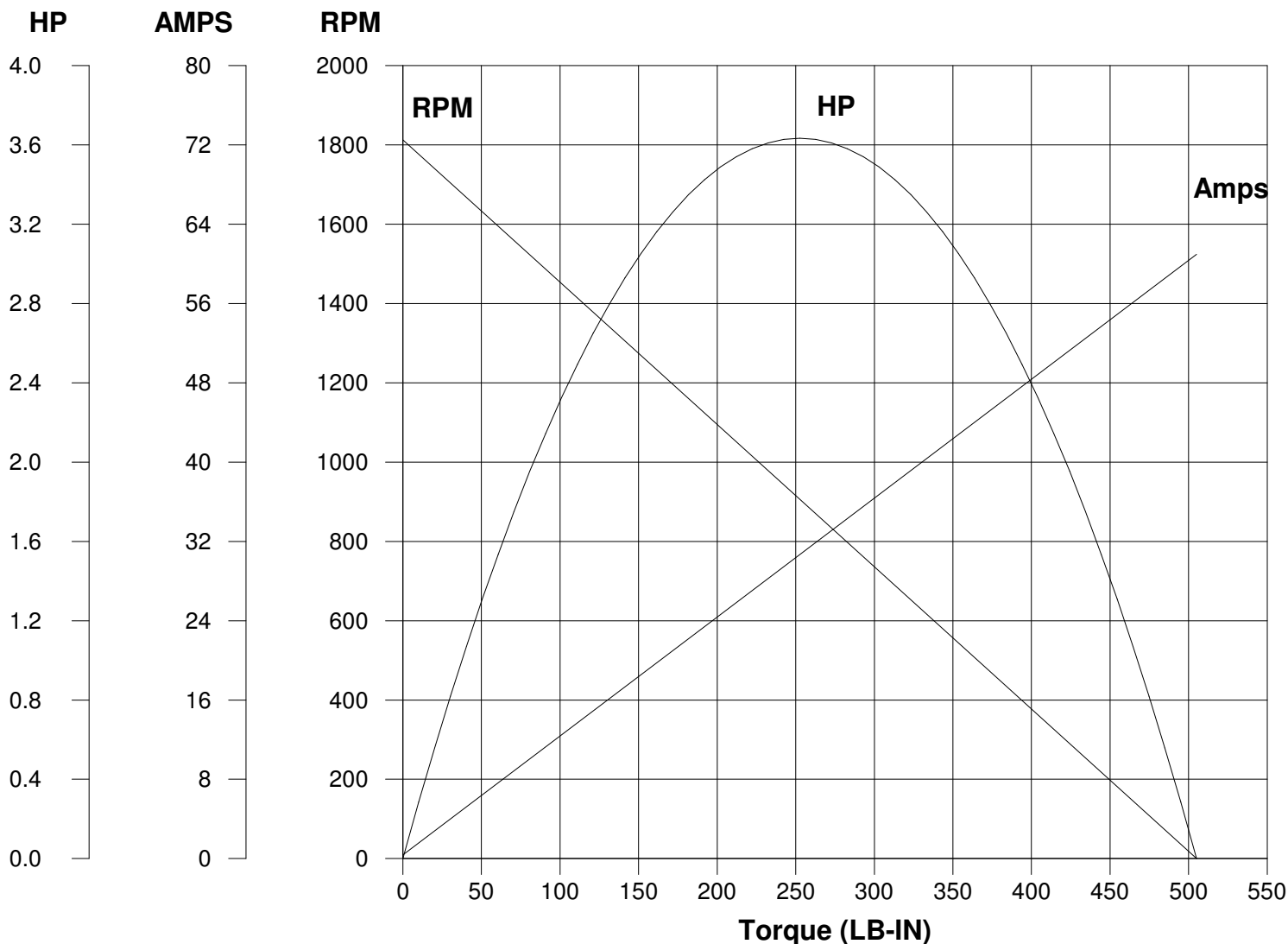
				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.	DRAWN TJF 11/15/97				
				DEC.	INCHES		CHK				
F	CHG FROM LEESON TO RRX TEMPLATE AS PER ECR-0237142	KVDG 09/19/24	DS	.X	±.1		APPD POW 11/15/97				
E	"MOTOR" WAS "ARMATURE", ECO-0163602	IPG 3/14/19		.XX	±.01	TITLE EXTERNAL WIRING DIAGRAM PMD C 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		
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. C4D17FK6Catalog No. 108023.00HP 1.000RPM 1750DC Volts 180.0N.P. FLA 5.00F.F. 1.38Encl TEFCType DFS.F. 1.00Max. Amb. 40.0 Deg CInsul. FFrame S56CDuty Cont

Ra 1.7000 Ohms
 La 23.60 mHenrys
 Ja 14.40 LB-IN²
 Ke 98.89 V/KRPM

Kt 8.359 LB-IN/AMP
 Imax 50.0 AMPS Allowed
 FL Torque 36.00 LB-IN
 FL EFF 85.00 %

Winding W- D5626-1Prepared by S. BernhardtDate 05-06-2009