PRODUCT INFORMATION PACKET

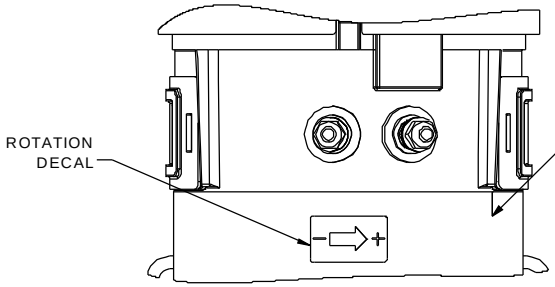
Model No: 108048.00
Catalog No: 108048.00
Low Voltage Motor, 0.75 HP, 12 V, 1800 RPM, S56C Frame, TEFC

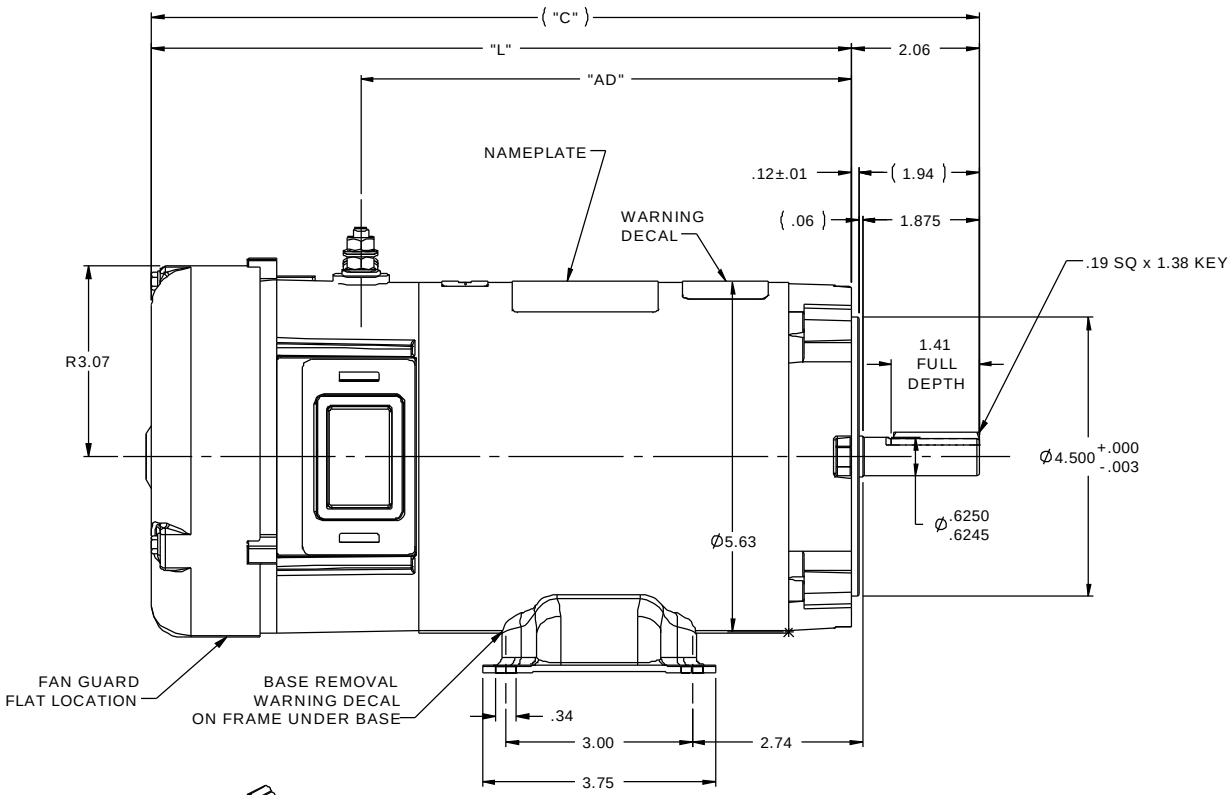
Nameplate Specifications

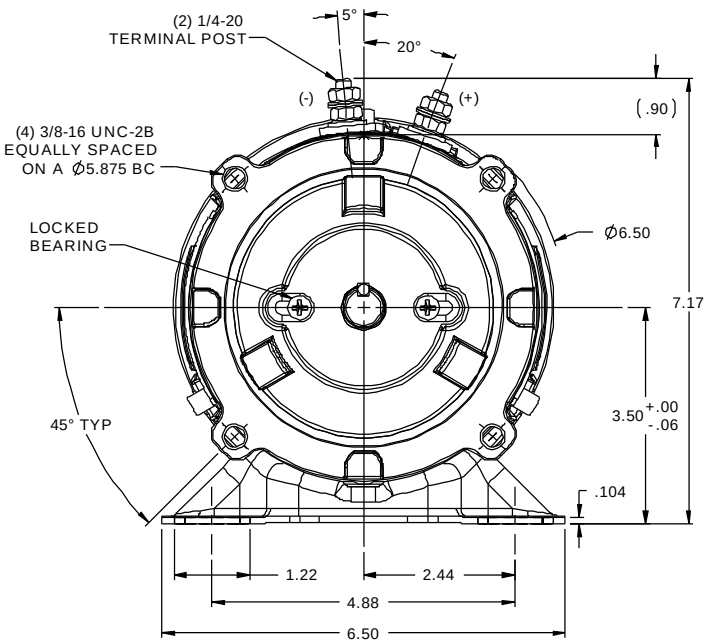
Output HP	**0.75 Hp**	Output KW	**0.56 kW**
Voltage	**12 V**	Speed	**1800 rpm**
Service Factor	**1.0**	Frame	**S56C**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**79.9 %**	Ambient Temperature	**40 °C**
Current	**58.0 A**	Duty	**Continuous**
Insulation Class	**F**	Drive End Bearing Size	**6203**
Opp Drive End Bearing Size	**6203**	UL	**Recognized**
CSA	**Y**	CE	**N**

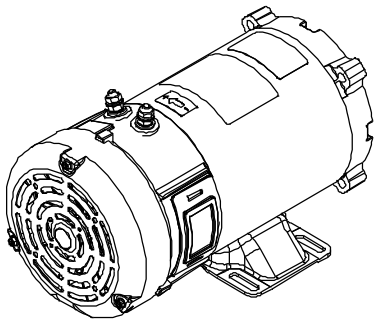
Technical Specifications

Rotation	**Reversible**	Mounting	**Rigid C base**
Overall Length	**13.32 in**	Frame Length	**5.97 in**
Shaft Diameter	**0.625 in**	Shaft Extension	**2.06 in**
Torque	**26.3 LB-IN**		
Connection Drawing	**00531901**	Outline Drawing	**031886-108048**









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.

CATALOG No.	"C"	"L"	"AD"	VOLTS	H.P.	RPM
108053.00	13.82	11.76	8.40	24	1	1800
108048.00	13.32	11.26	7.90	12	3/4	1800

NO	REVISION	BY & DATE	CHK
02	ADDED EXTRA VIEW PER MFG REQUEST	JJM 9/18/2013	
01	ADDED NOTE ABOUT FAN GUARD FLAT LOCATION, ISAAC	IPG 12/4/2009	
	09-4813		
	RELEASED	IPG 4/9/2008	BC

TOLERANCES UNLESS SPECIFIED
DEC INCHES
.X ±.1
.XX ±.03
.XXX ±.005
.XXXX ±.0005
ANG ±1/2°

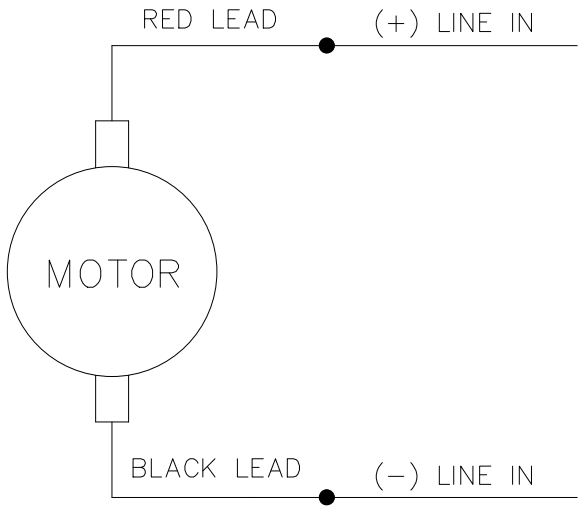
LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES

TITLE OUTLINE
48 FRAME DC
MAT'L
FINISH

DRAWN IPG 4/9/08
CHK BC 4/9/08
APPR
SCALE 1:2
REF 031186
FMF 108048.75
PAGE OF

THIRD ANGLE PROJECTION
RFP
PREV
NETWORK FILE NAME 031886

SIZE B
DRAWING NO 031886
REV 02



CONNECTIONS SHOWN FOR CCW ROTATION FACING LEAD END OF THE MOTOR

TO REVERSE ROTATION INTERCHANGE LINE LEADS

NO.	REVISION	BY & DATE	CHK
F	CHG FROM LEESON TO RRX TEMPLATE AS PER ECR-0237142	KVDG 09/19/24	DS
E	"MOTOR" WAS "ARMATURE", ECO-0163602	IPG 3/14/19	
D	UPDATED TO MAKE IT GENERIC, ECO-0163547	IPG 3/13/19	
01	REDRAWN ON CAD. REVISED NOTES.	SJB 9/20/2005	

TOLERANCES UNLESS SPECIFIED	
DEC.	INCHES
.X	±.1
.XX	±.01
.XXX	±.005
.XXXX	±.0005
ANG	±1/2°

Regal Rexnord Regal Beloit America, Inc.

TITLE: EXTERNAL WIRING DIAGRAM PMDC MOTOR

MAT'L.

FINISH

CAD FILE 00531901

RFP

DIST

DRAWN	TJF 11/15/97
CHK	
APPD	POW 11/15/97
SCALE	1=2
REF	
FMF	
PREV	

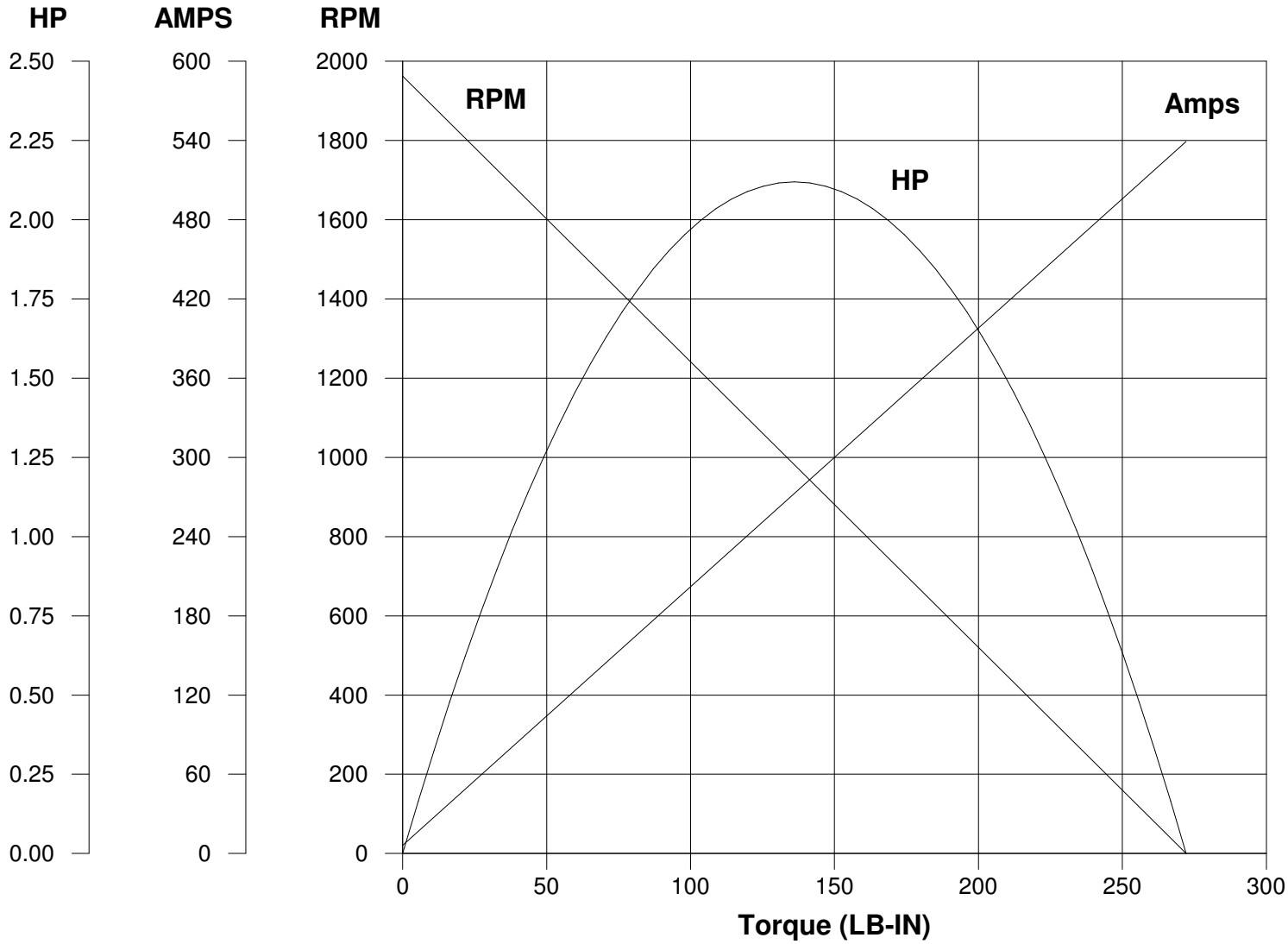
SIZE	DRAWING NO.	REV.
A	005319.01	F

LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE
FOR
DIRECT CURRENT PERMANENT MAGNET MOTOR

Model No. C4D17FK7 **Catalog No.** 108048.00

HP	0.750	**RPM**	1800	**DC Volts**	12.0	**N.P. FLA**	58.00
F.F.	1.00	**Encl**	TEFC	**Type**	DF	**S.F.**	1.00
Max. Amb.	40.0 Deg C	**Insul.**	F	**Frame**	S56C	**Duty**	CONT



Ra	0.01250	Ohms	**Kt**	0.5118	LB-IN/AMP
La	1.500	mHenrys	**Imax**	550.0	AMPS Allowed
Ja	9.600	LB-IN^2	**FL Torque**	26.30	LB-IN
Ke	6.056	V/KRPM	**FL EFF**	79.90	%

Winding W- D56220-1 **Prepared by** S. Bernhardt **Date** 05-06-2009

Brush 6H7