

PRODUCT INFORMATION PACKET



Model No: 108052.00
Catalog No: 108052.00
0.75 HP Low Voltage Motor, 1800 RPM, 24 V, 56C Frame, TEFC
Low Voltage Motors



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The Regal logo is the word "REGAL" in a bold, sans-serif font, set within a dark grey, trapezoidal shape that tapers to the right. The background of the page features a vertical blue gradient with a fine, grid-like pattern on the right side.

REGAL



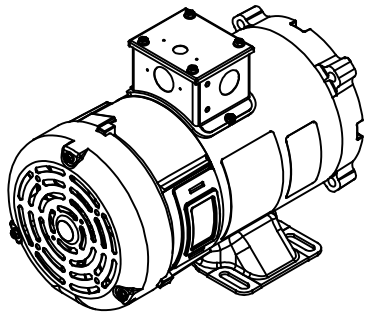
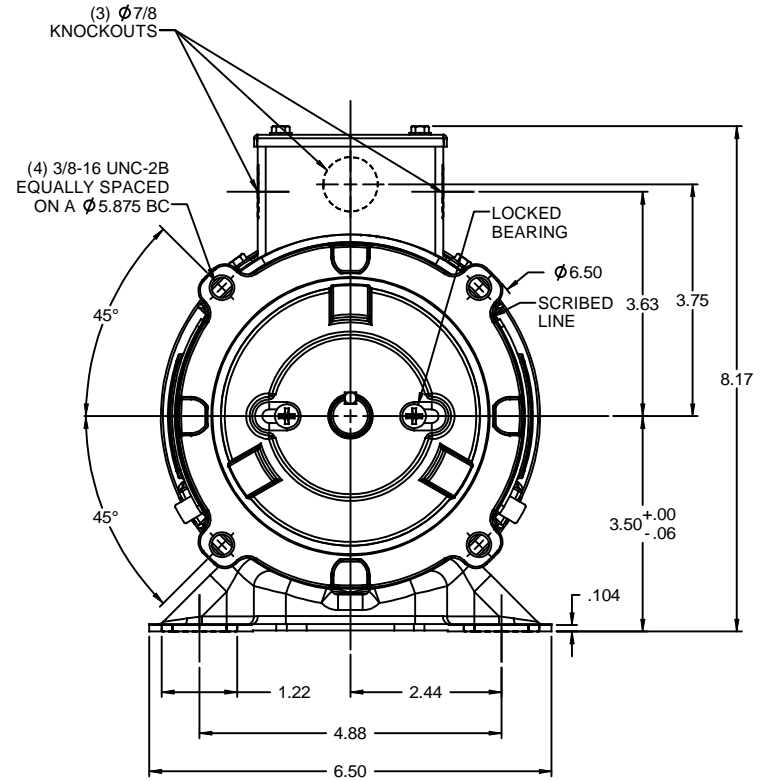
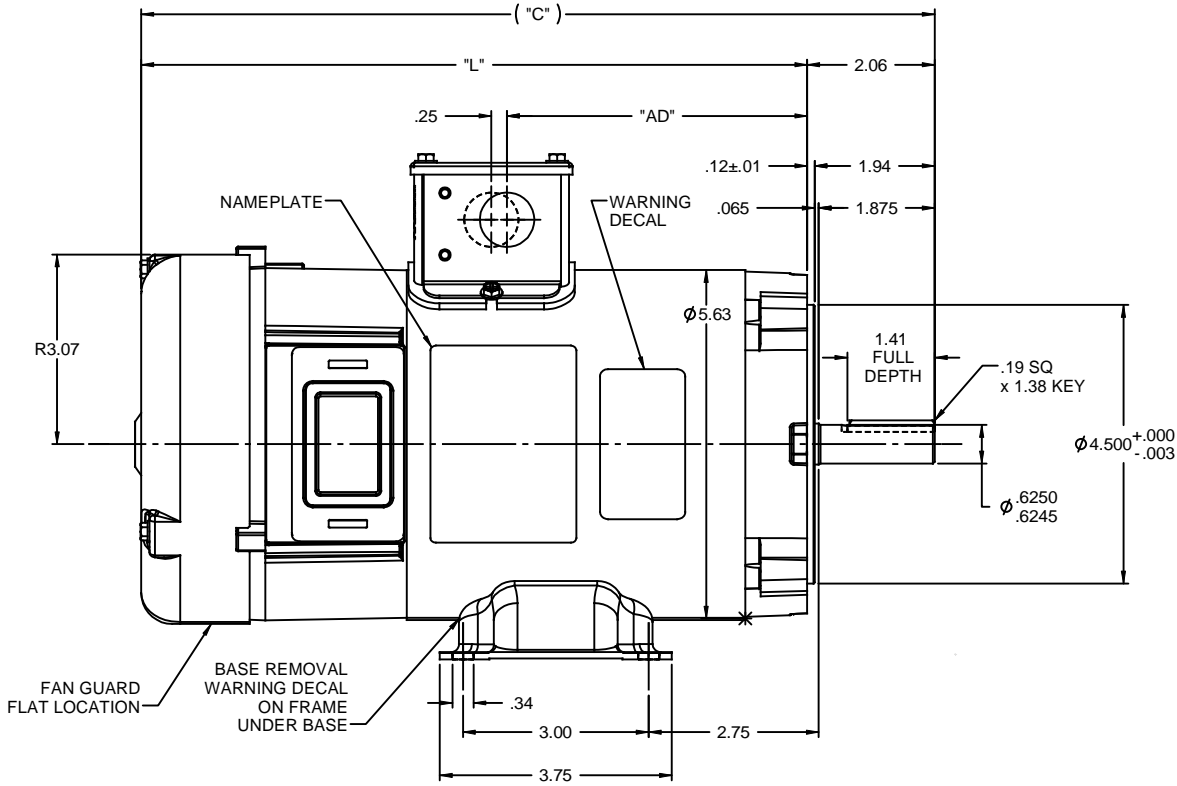
Nameplate Specifications

Output HP	0.75 Hp	Output KW	0.56 kW
Voltage	24 V	Current	29.0 A
Speed	1800 rpm	Service Factor	1
Efficiency	77 %	Duty	Continuous
Insulation Class	F	Frame	S56C
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	No
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	12.82 in	Frame Length	5.47 in
Shaft Diameter	0.625 in	Shaft Extension	2.06 in
Connection Drawing	00531901	Outline Drawing	031891-108052

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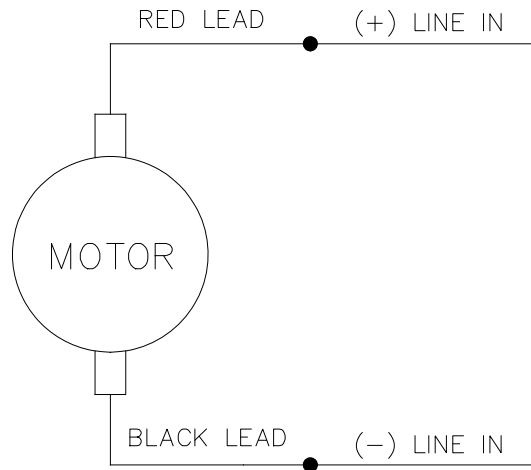


- NOTES:
 1) MAXIMUM FACE RUNOUT .004 T.I.R.
 2) MAXIMUM PILOT ECCENTRICITY .004 T.I.R.
 3) PERMISSIBLE SHAFT RUNOUT .002 T.I.R.
 4) GASKETS THROUGHOUT.


109102.00	13.82	11.76	5.85	48	1	1800
109101.00	13.82	11.76	5.85	36	1	1800
108605.00	12.82	10.76	4.85	36	3/4	1800
108052.00	12.82	10.76	4.85	24	3/4	1800
CATALOG No.	"C"	"L"	"AD"	VOLTS	H.P.	RPM

		TOLERANCES UNLESS SPECIFIED				DRAWN IPG 4/2/08	
03	ADDED NOTE ABOUT FAN GUARD FLAT LOCATION. ISAAC 09-4813	IPG	12/9/2009			DEC	INCHES
02	ADDED DATA FOR 108605.00, 109101.00 & 109102.00	IPG	4/6/2009	SK	.XX ±.03	SCALE 1:2	
01	ADDED PLUG CAP TO FAN GUARD. 108052.00	RPB	3/5/2009	RWS	XXX ±.005	REF 031879	
	RELEASED: REF. 031879 & 031187	IPG	4/8/2008	BC	XXX ±.0005	FMF 108052.75	
NO	REVISION	BY & DATE	CHK	ANG	±1/2"	PAGE OF	
THIRD ANGLE PROJECTION			RFP	PREV		SIZE	DRAWING NO
			NETWORK FILE NAME			B	031891
							REV
							03

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		SCALE	1=2	
D	UPDATED TO MAKE IT GENERIC, ECO-0163547	IPG	3/13/19	.XXX	±.005		PMDc MOTOR		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

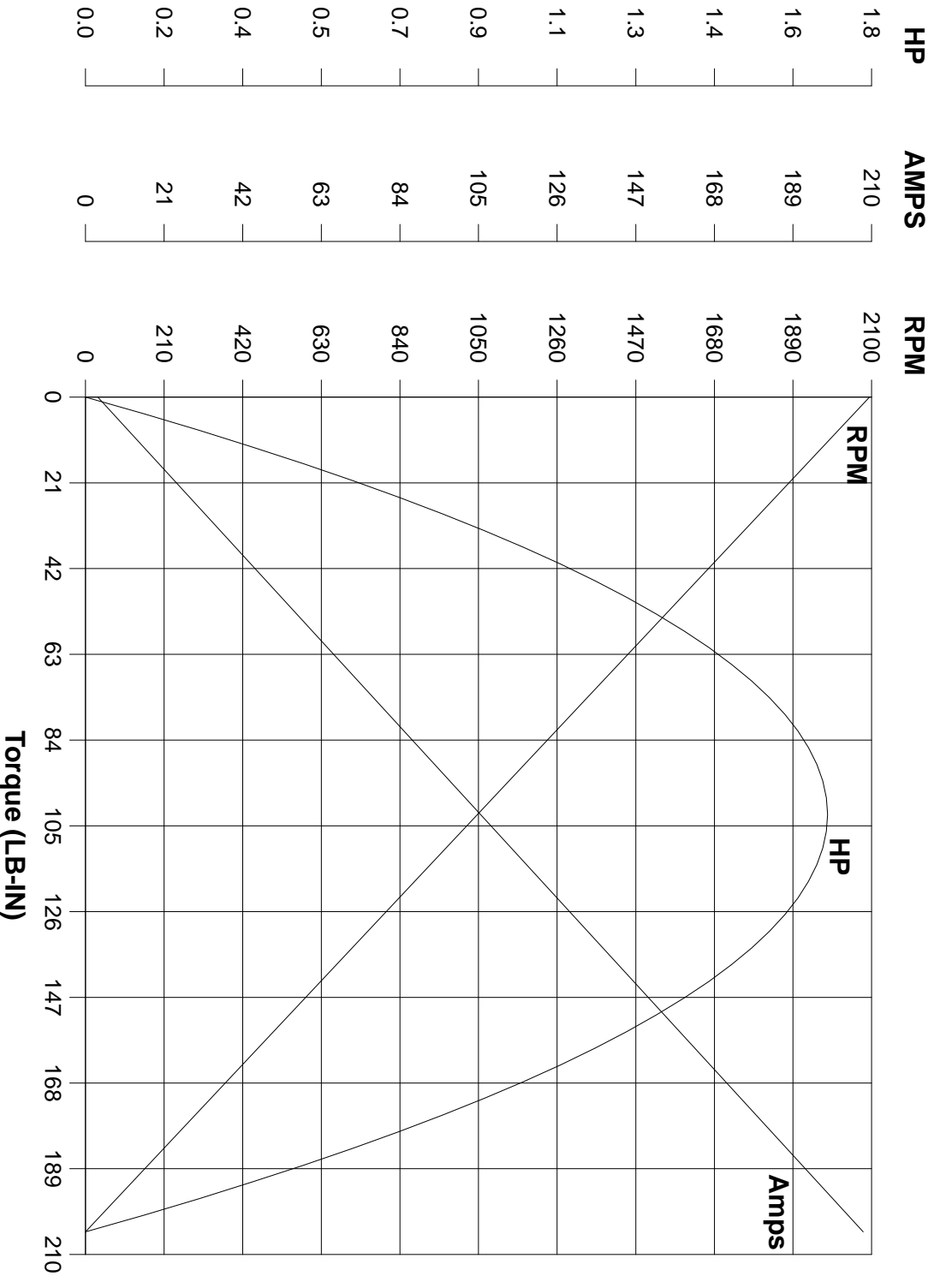
Model No. C4D17FK8

Catalog No. 108052.00

HP 0.750 RPM 1800 DC Volts 24.0 N.P. FLA 29.00

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 0.07800 Ohms
 La 1.400 mHenrys
 Ja 7.200 LB-IN√2
 Ke 12.72 V/KRPM

Kt 1.075 LB-IN/AMP
 I_{max} 220.0 AMPS Allowed
 FL Torque 26.30 LB-IN
 FL EFF 77.00 %

Winding W- D59285-2 Prepared by V. Boehlen Date 07-28-2020