

PRODUCT INFORMATION PACKET



Model No: 108456.00
Catalog No: 108456.00
Metric Motor, 24 V, 3000 RPM, 80 Frame, IP54



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Nameplate Specifications

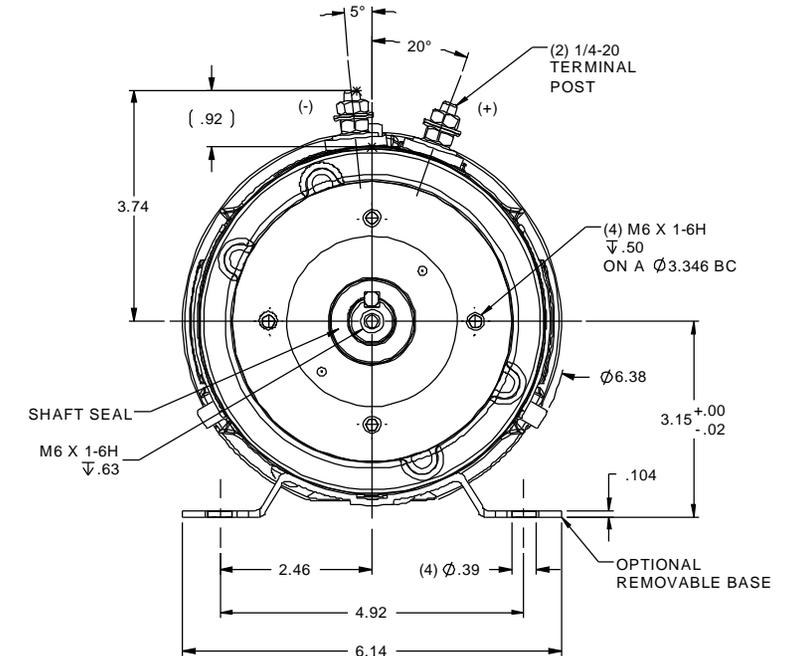
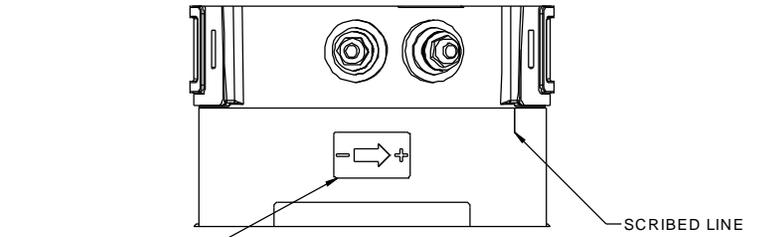
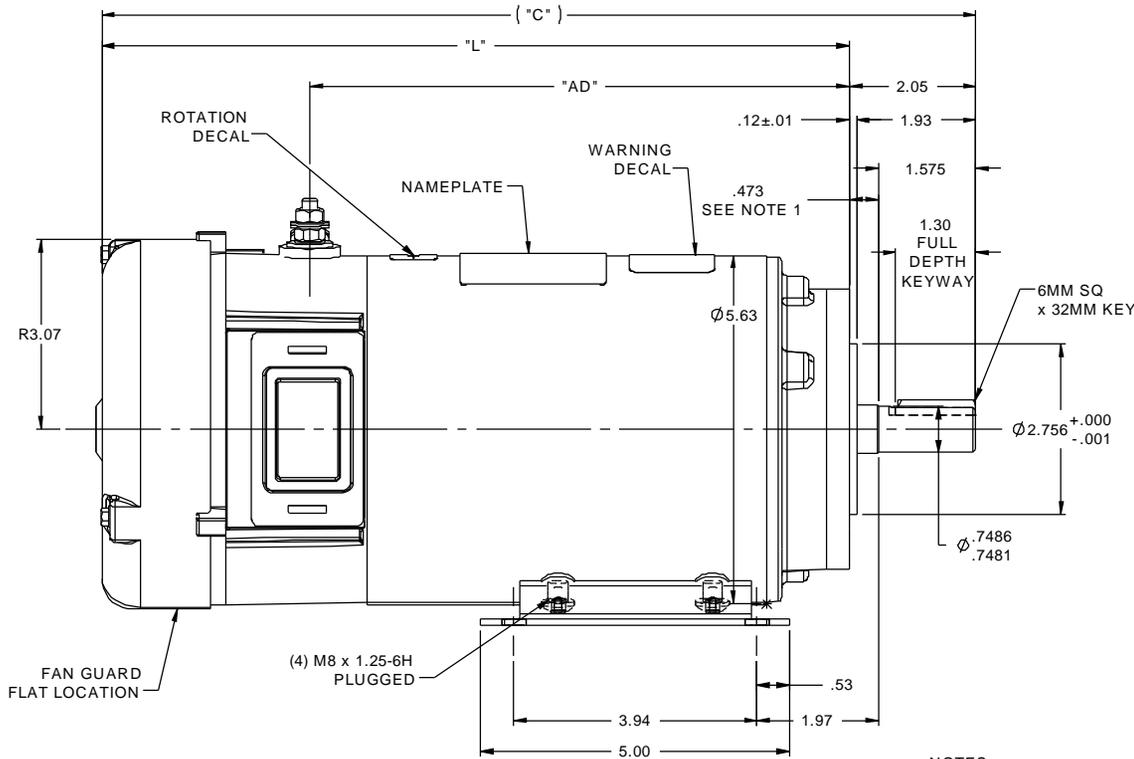
Output KW	0.75 kW	Voltage	24 V
Speed	3000 rpm	Service Factor	1
Frame	80	Thermal Protection	No Protection
Efficiency	77.4 %	Ambient Temperature	40 °C
Current	40.0 A	Duty	S1
Insulation Class	F	Drive End Bearing Size	6204
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	N

Technical Specifications

Rotation	Reversible	Mounting	Special
Overall Length	13.65 in	Frame Length	5.97 in
Shaft Diameter	0.750 in	Shaft Extension	2.05 in
Torque	21,0 LB-IN		
Connection Drawing	00531901	Outline Drawing	031910-108456

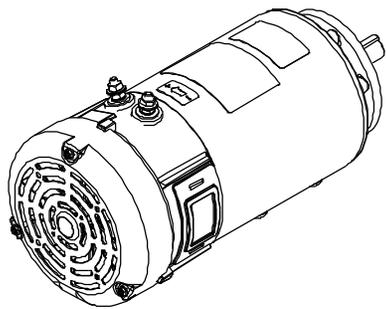
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- NOTES:
 1) DIMENSION IS SPACE PROVIDED FOR A BOLT-ON B5 OR B14 ADAPTER KIT FOR THE IEC 80 FRAME.
 2) MAXIMUM FACE RUNOUT TO BE .004 T.I.R.
 3) MAXIMUM PILOT ECCENTRICITY .004 T.I.R.
 4) PERMISSIBLE SHAFT RUNOUT .002 T.I.R.
 5) GASKETS THROUGHOUT.

108456.00	13.65	11.60	8.24	24	.75	3000
108455.00	14.15	12.10	8.74	24	.75	1800
CATALOG No.	"C"	"L"	"AD"	VOLTS	K.W.	RPM



		TOLERANCES UNLESS SPECIFIED		LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN IPG 1/28/09	
		DEC	INCHES			CHK	SK 1/28/09
		X	±.1			APPR	
01	ADDED NOTE ABOUT FAN GUARD FLAT LOCATION, ISAAC	IPG	12/10/2009	XX	±.03	TITLE	OUTLINE
	09-4813			XXX	±.005		48 FRAME DC - IEC 80
	RELEASED: REF. 031065 & 031898	IPG	1/28/2009	SK	XXXX ±.0005	MAT'L	
NO	REVISION	BY & DATE	CHK	ANG	±1/2°	FINISH	
			RFP			PREV	
THIRD ANGLE PROJECTION						SIZE	DRAWING NO
						B	031910
						REV	01



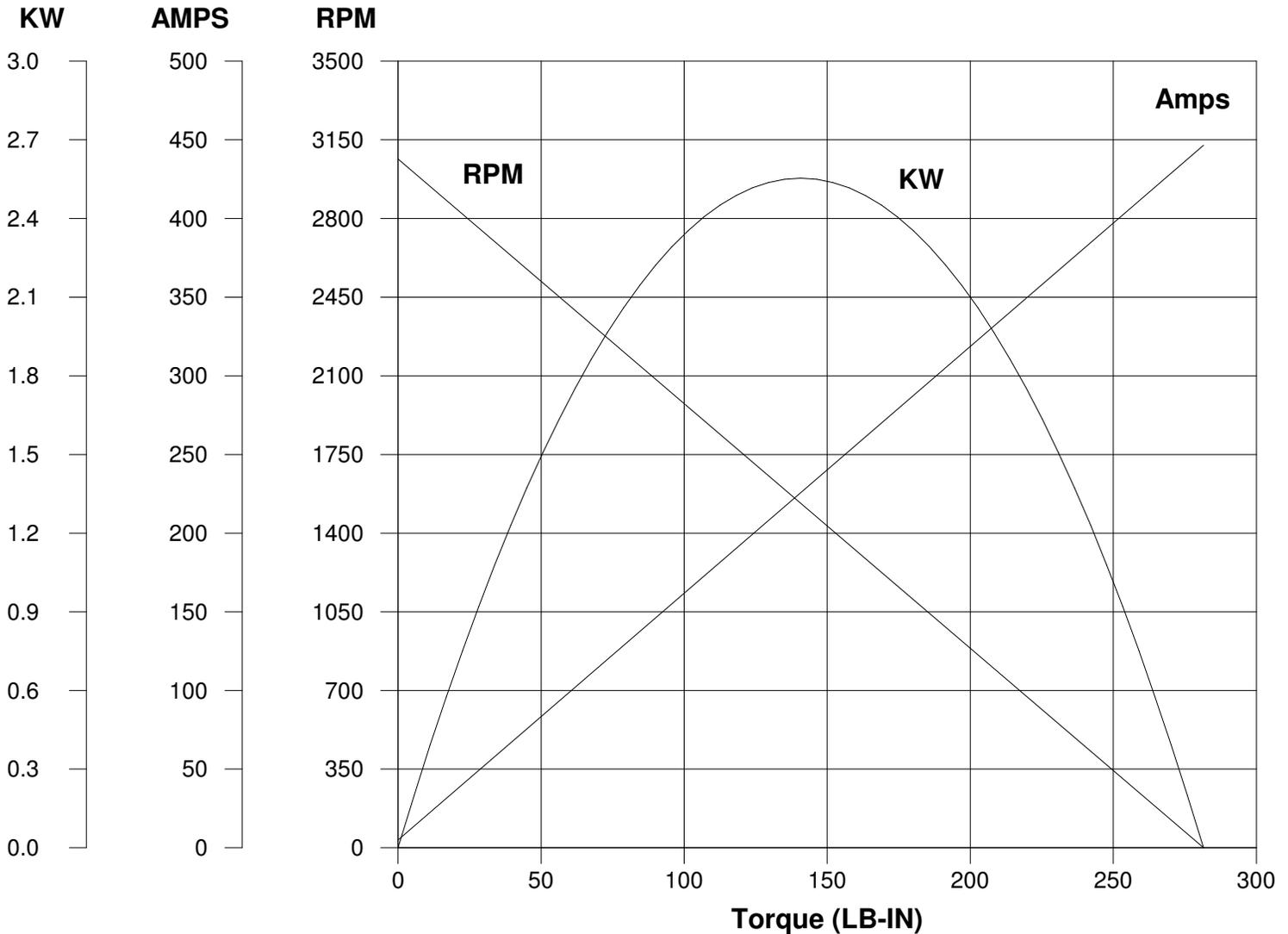
CONNECTIONS SHOWN FOR CCW ROTATION FACING LEAD END OF THE MOTOR
 TO REVERSE ROTATION INTERCHANGE LINE LEADS

				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	TITLE EXTERNAL WIRING DIAGRAM PMDC MOTOR	APPD POW 11/15/97		
E	"MOTOR" WAS "ARMATURE", ECO-0163602	IPG 3/14/19		.XX	±.01		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	F
						4 of 5			

LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE FOR DIRECT CURRENT PERMANENT MAGNET MOTOR

Model No. <u>CI4D34FT5</u>	Catalog No. <u>108456.00</u>	
KW <u>0.750</u>	RPM <u>3000</u>	DC Volts <u>24.0</u>
F.F. <u>1.00</u>	Encl <u>IP44</u>	Type <u>X80-14</u>
Max. Amb. <u>40.0 Deg C</u>	Insul. <u>F</u>	Frame <u>80D</u>
		N.P. FLA <u>40.00</u>
		S.F. <u>1.00</u>
		Duty <u>S1</u>



Ra <u>0.02600</u> Ohms La <u>1.500</u> mHenrys Ja <u>28.09</u> KG-CM ² Ke <u>7.556</u> V/KRPM	Kt <u>0.6386</u> LB-IN/AMP Imax <u>471.4</u> AMPS Allowed FL Torque <u>21.00</u> LB-IN FL EFF <u>77.40</u> %
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Winding W- D552219-1 Prepared by S. Bernhardt Date 05-19-2009