

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

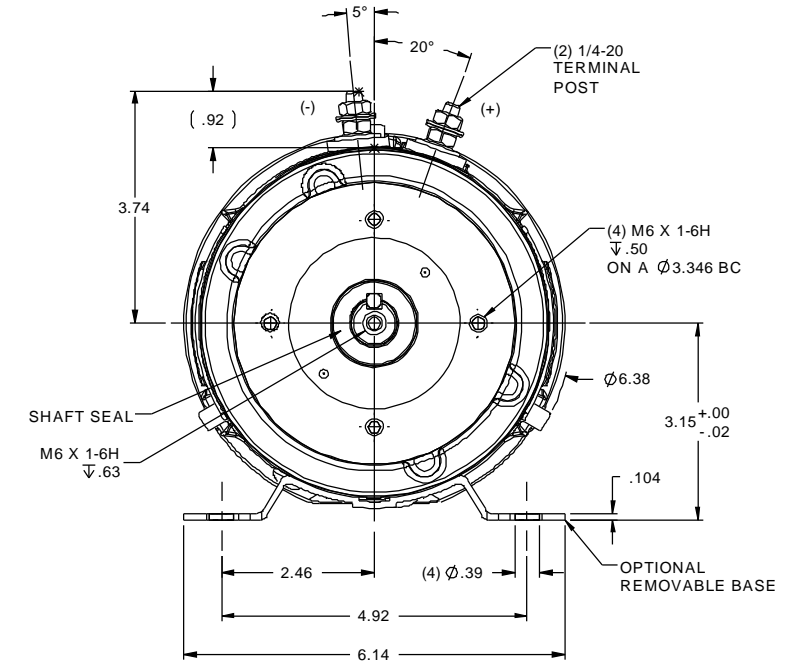
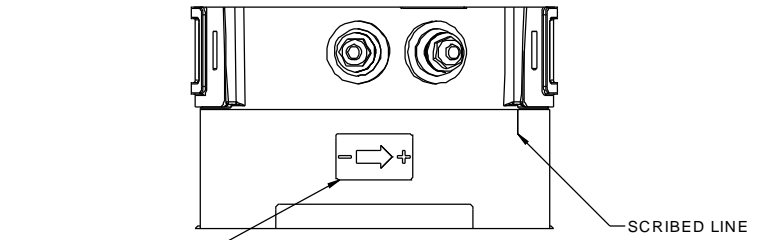
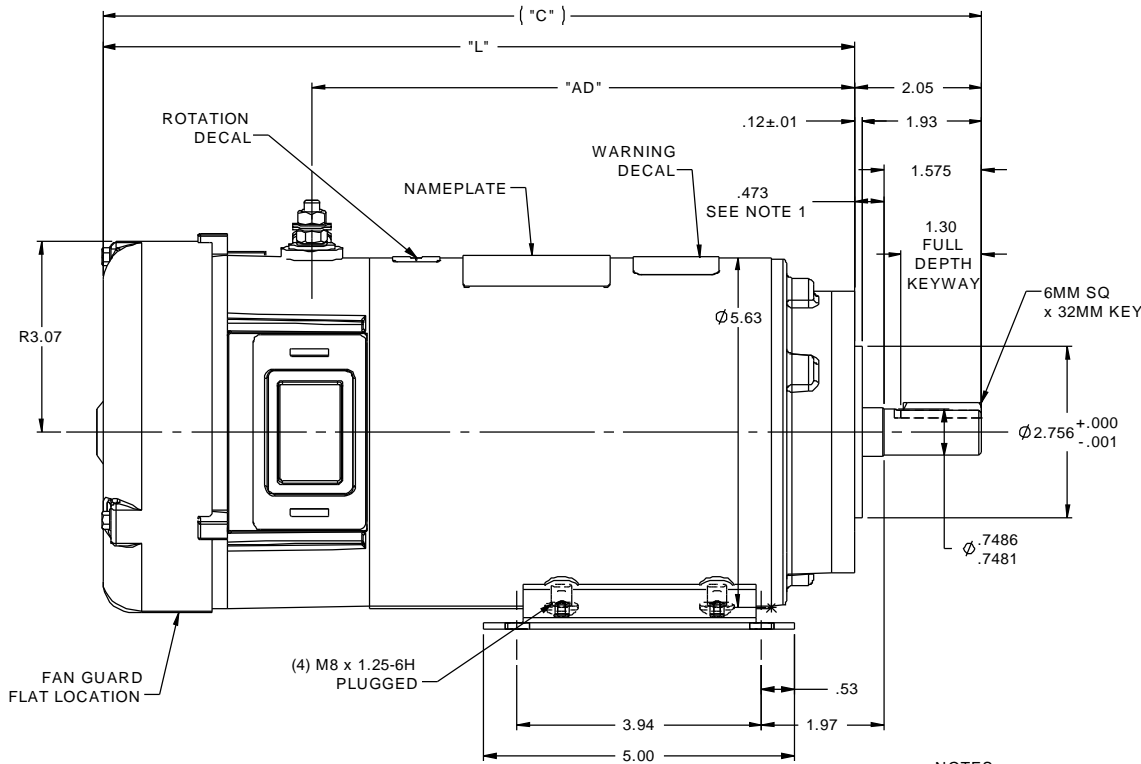
Output KW	0.75 kW	Voltage	24 V
Current	40.0 A	Speed	3000 rpm
Service Factor	1	Efficiency	77.4 %
Duty	S1	Insulation Class	F
Frame	80	Enclosure	IP54
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6204	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	N		

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		
Outline Drawing	031910-108456	Connection Drawing	00531901

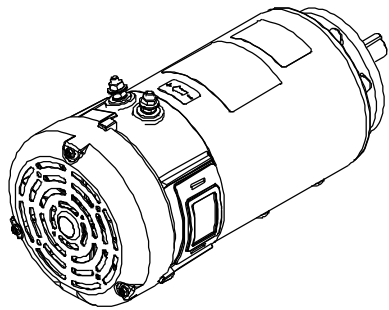
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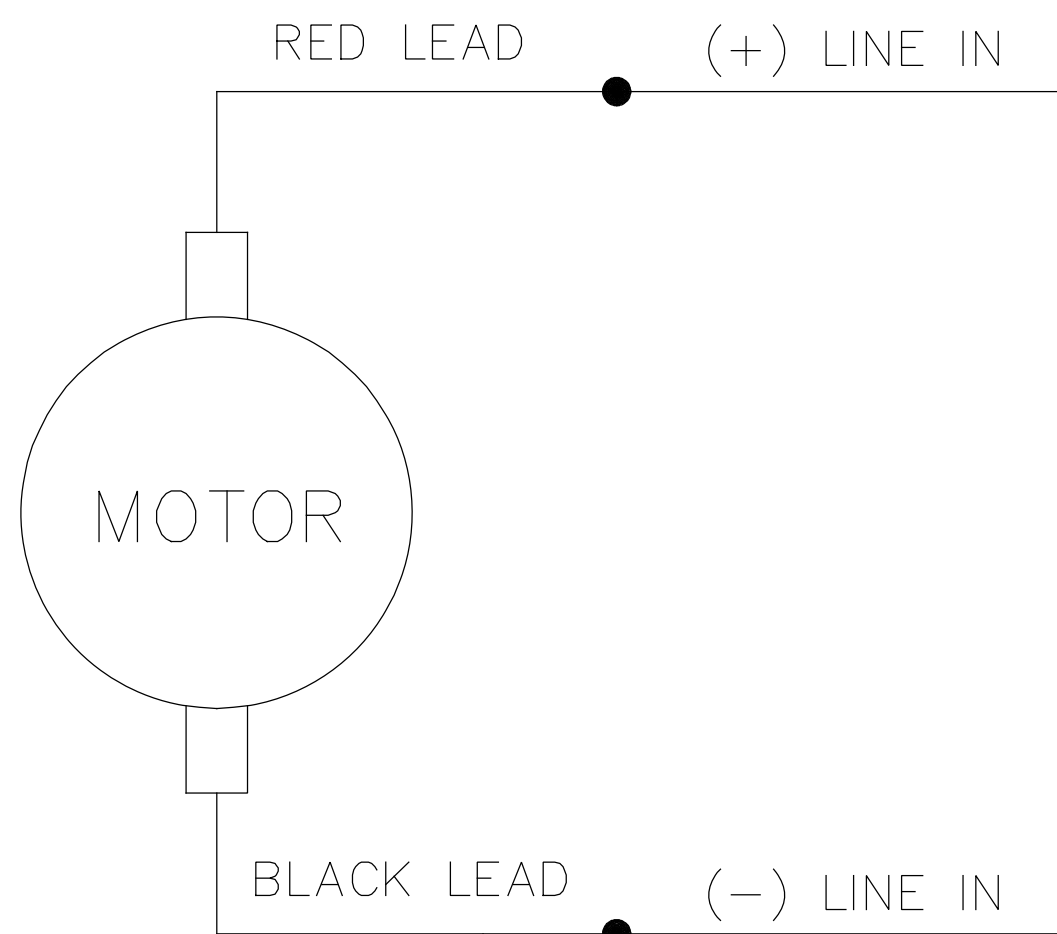
- NOTES:
 1) DIMENSION IS SPACE PROVIDED FOR A BOLT-ON B5 OR B14 ADAPTER KIT FOR THE IEC 80 FRAME.
 2) MAXIMUM FACE RUNOUT TO BE .004 T.I.R.
 3) MAXIMUM PILOT ECCENTRICITY .004 T.I.R.
 4) PERMISSIBLE SHAFT RUNOUT .002 T.I.R.
 5) GASKETS THROUGHOUT.

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	APPR
01	ADDED NOTE ABOUT FAN GUARD FLAT LOCATION, ISAAC	IPG 12/10/2009	XX	±.03	TITLE OUTLINE		SCALE 1:2	
	09-4813		XXX	±.005	48 FRAME DC - IEC 80		REF 031065	
	RELEASED: REF. 031065 & 031898	IPG 1/28/2009	SK	XXXX ±.0005	MAT'L		FMF 108455.75	
NO	REVISION	BY & DATE	CHK	ANG ±1/2°	FINISH		PAGE OF	
			RFP		PREV		SIZE B	DRAWING NO 031910
			THIRD ANGLE PROJECTION		NETWORK FILE NAME		REV 01	

005319.01



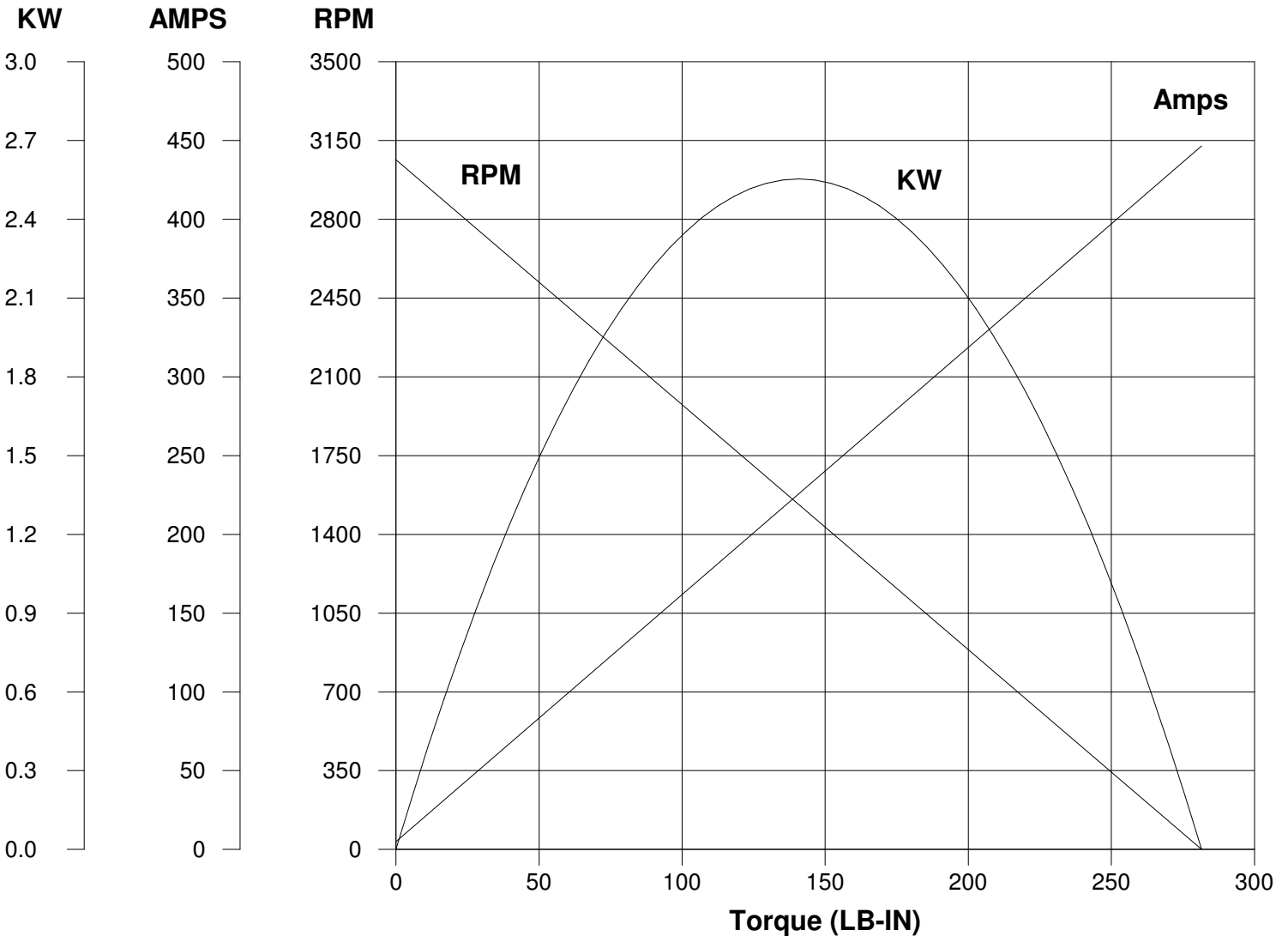
CONNECTIONS SHOWN FOR CCW ROTATION FACING LEAD END OF THE MOTOR
TO REVERSE ROTATION INTERCHANGE LINE LEADS

NO.	REVISION	BY & DATE	CHK	TOLERANCES UNLESS SPECIFIED		LEESON	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	
				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 A	DRAWING NO. 005319.01	REV. E
				DIST					

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