

# PRODUCT INFORMATION PACKET



Model No: M1130142.00  
Catalog No: M1130142.00  
Metric Motor, 180 V, 3000 RPM, 63D Frame, IP54



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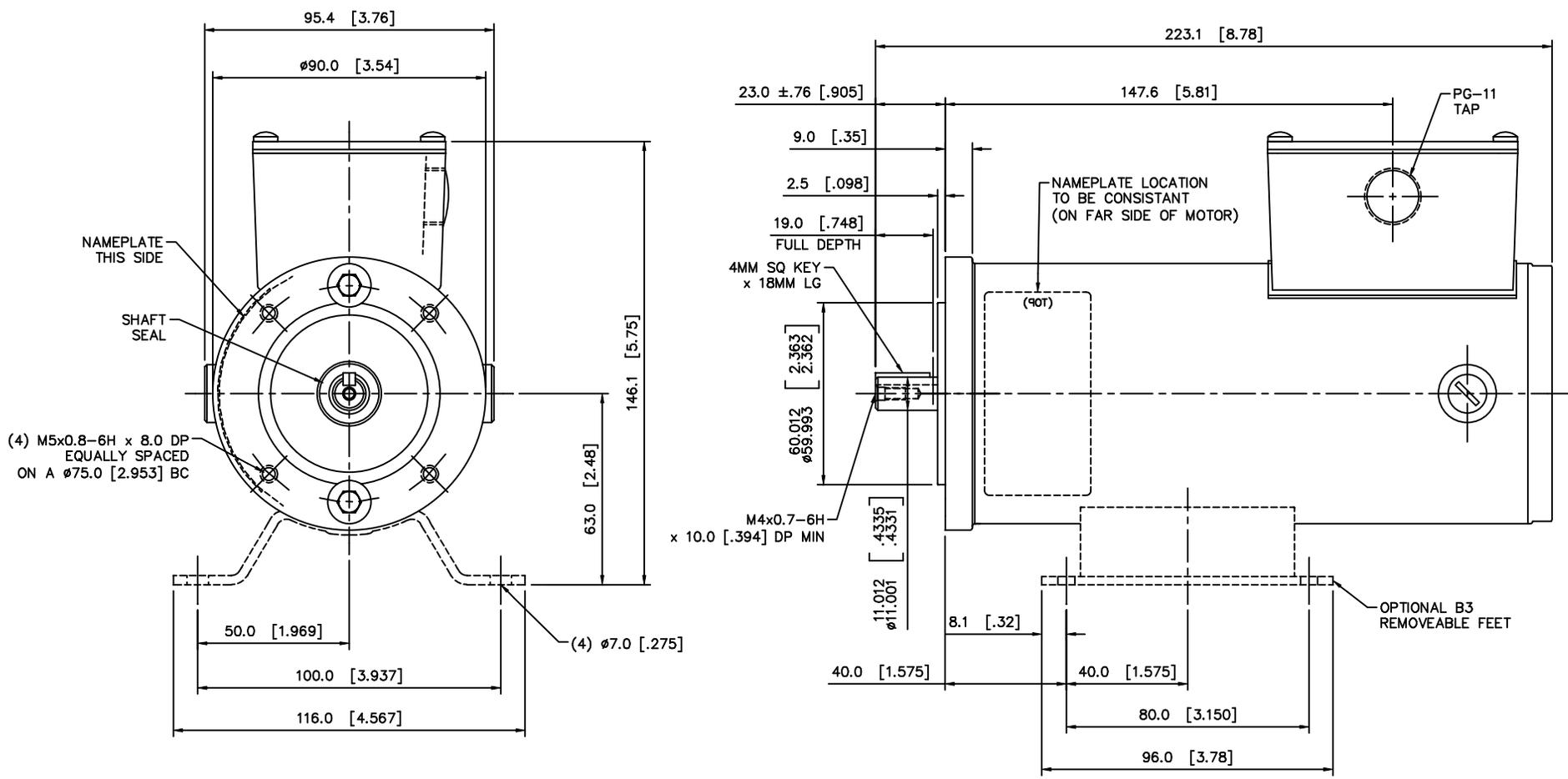
**Nameplate Specifications**

Output KW	<b>0.25 kW</b>	Voltage	<b>180 V</b>
Speed	<b>3000 rpm</b>	Service Factor	<b>1</b>
Frame	<b>63D</b>	Thermal Protection	<b>No Protection</b>
Efficiency	<b>73 %</b>	Ambient Temperature	<b>40 °C</b>
Current	<b>1.7 A</b>	Duty	<b>S1</b>
Insulation Class	<b>F</b>	Drive End Bearing Size	<b>6201-13</b>
Opp Drive End Bearing Size	<b>6201-13</b>	UL	<b>Recognized</b>
CSA	<b>Y</b>	CE	<b>Y</b>

**Technical Specifications**

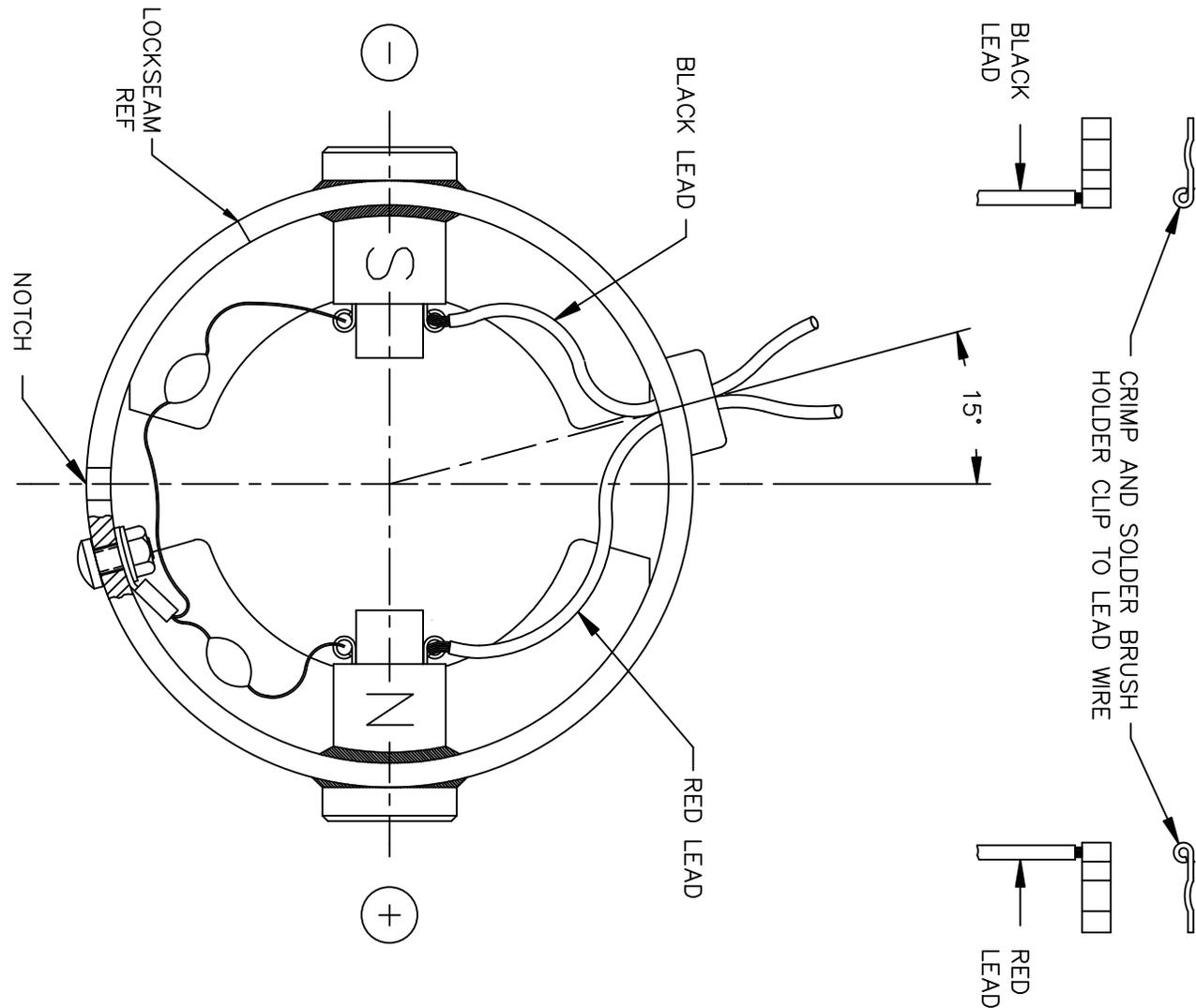
Rotation	<b>Reversible</b>	Mounting	<b>B14</b>
Overall Length	<b>8.78 in</b>	Frame Length	<b>7.18 in</b>
Shaft Diameter	<b>0.437 in</b>	Shaft Extension	<b>0.905 in</b>
Torque	<b>81.1 OZ-IN</b>		
Connection Drawing	<b>M100512601</b>	Outline Drawing	<b>M1030280</b>

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		TOLERANCES UNLESS SPECIFIED		LEESON		ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN SPV 02/05/92				
		DEC.	INCHES					CHK	TCB 02/14/92			
04	ADDED $\pm .76$ TO THE 23.0 [.905] DIM PER ECR 82033	BPW	04/17/03	SAD	.X	$\pm .1$	TITLE	OUTLINE PERMANENT MAGNET DC MOTOR IEC 63 B14	APPD	DJW 03/02/92		
03	ADDED METRIC DIM'S	SPV	06/26/98	.XX	$\pm .03$		SCALE	3=4				
02	MOVED NAMEPLATE TO OTHER SIDE	DWF	06/24/92	.XXX	$\pm .005$		REF					
01	ADDED NAMEPLATE LOCATION	DWF	05/07/92	.XXXX	$\pm .0005$	MAT'L	FMF					
NO.	REVISION	BY & DATE	CHK	ANG	$\pm 1/2'$	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	M1030280	SIZE	DRAWING NO.	REV.
							DIST	B	M1030280.00	04		

DC MOTORS



**CAUTION!** FILTER CIRCUIT LEADS WITH BRUSH CLIPS MUST NOT TOUCH HOUSING WALL (INSIDE)

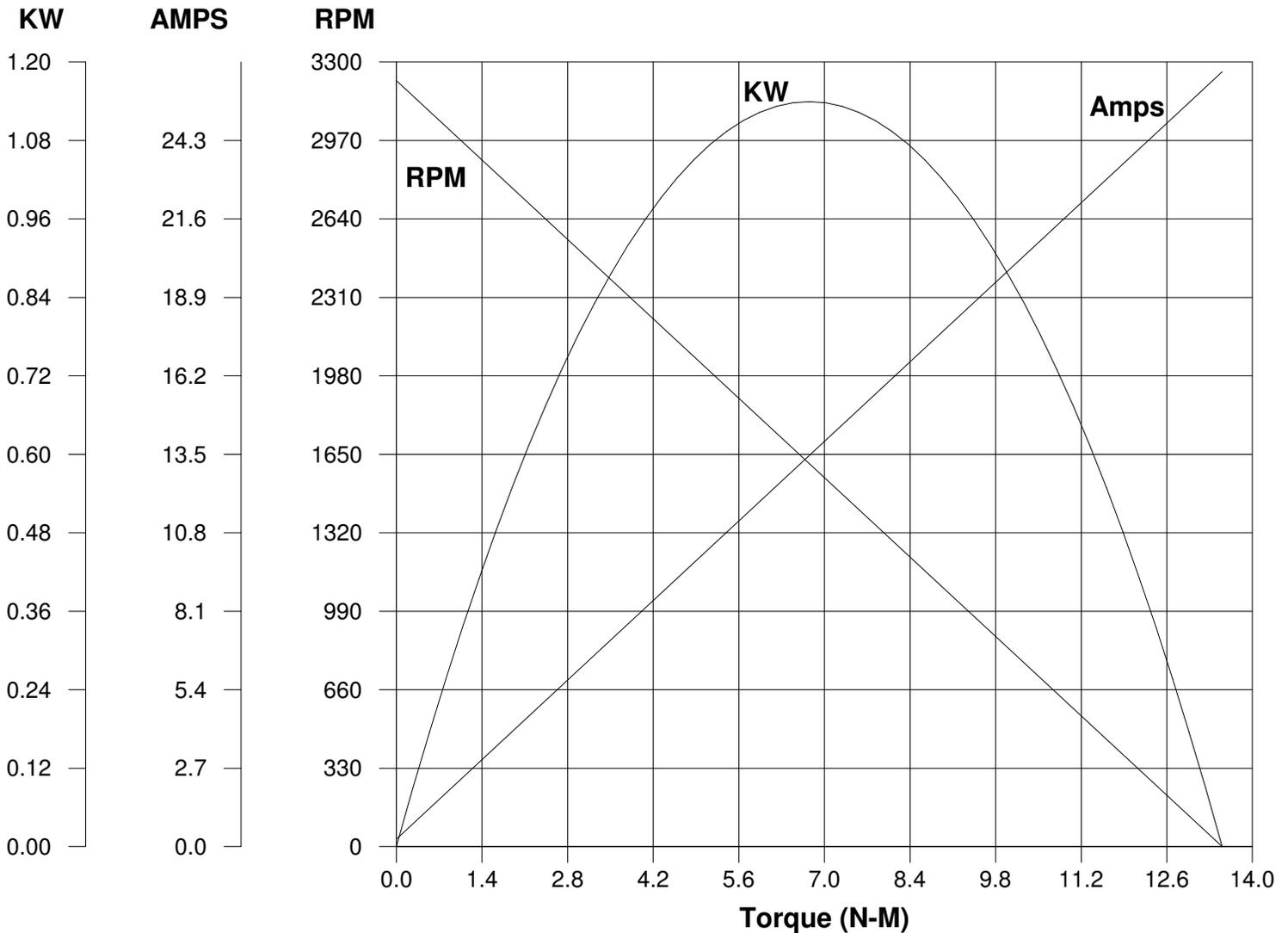
EXTERNAL CONNECTIONS FOR CW ROTATION VIEWING LEAD END OF MOTOR WITH RED LEAD POSITIVE (+) FOR CCW ROTATION REVERSE POLARITY

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN SPV 01/27/92 CHK APPD DWF 01/27/92
				DEC.	INCHES		SCALE 1=1
				.X	±.1		REF
02	REVERSED POLARITY FOR CWLE ROTATION PER M1130392.00	SMB 11/20/03	IPG	.XX	±.01	TITLE CONNECTION DIAGRAM WITH FILTER CIRCUIT	FMF M1130136.00 PREV
01	REMOVED PART NUMBERS	DWF 05/07/96		.XXX	±.005	MAT'L.	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	FINISH	
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	M100512601	SIZE A DRAWING NO. M1005126.01
				DIST			REV. 02

# LEESON ELECTRIC CORPORATION

## TYPICAL PERFORMANCE CURVE FOR DIRECT CURRENT PERMANENT MAGNET MOTOR

<b>Model No.</b> <u>CIM34D30NC3</u>	<b>Catalog No.</b> <u>M1130142.00</u>	
<b>KW</b> <u>0.180</u>	<b>RPM</b> <u>3000</u>	<b>DC Volts</b> <u>180.0</u>
<b>F.F.</b> <u>1.40</u>	<b>Encl</b> <u>IP54</u>	<b>Type</b> <u>G63-9</u>
<b>Max. Amb.</b> <u>40.0 Deg C</u>	<b>Insul.</b> <u>F</u>	<b>Frame</b> <u>63D</u>
		<b>N.P. FLA</b> <u>1.30</u>
		<b>S.F.</b> <u>1.00</u>
		<b>Duty</b> <u>S1</u>



**Ra** 5.2000 Ohms  
**La** 24.20 mHenrys  
**Ja** 1.885 KG-CM<sup>2</sup>  
**Ke** 56.11 V/KRPM

**Kt** 0.5359 N-M/AMP  
**Imax** 23.9 AMPS Allowed  
**FL Torque** 0.5727 N-M  
**FL EFF** 73.00 %

**Winding W-** MD342149-1      **Prepared by** V. Boehlen      **Date** 05-12-2005