

PRODUCT INFORMATION PACKET



Model No: M1130141.00
Catalog No: M1130141.00
Metric Motor, 180 V, 3000 RPM, 56D Frame, IP54



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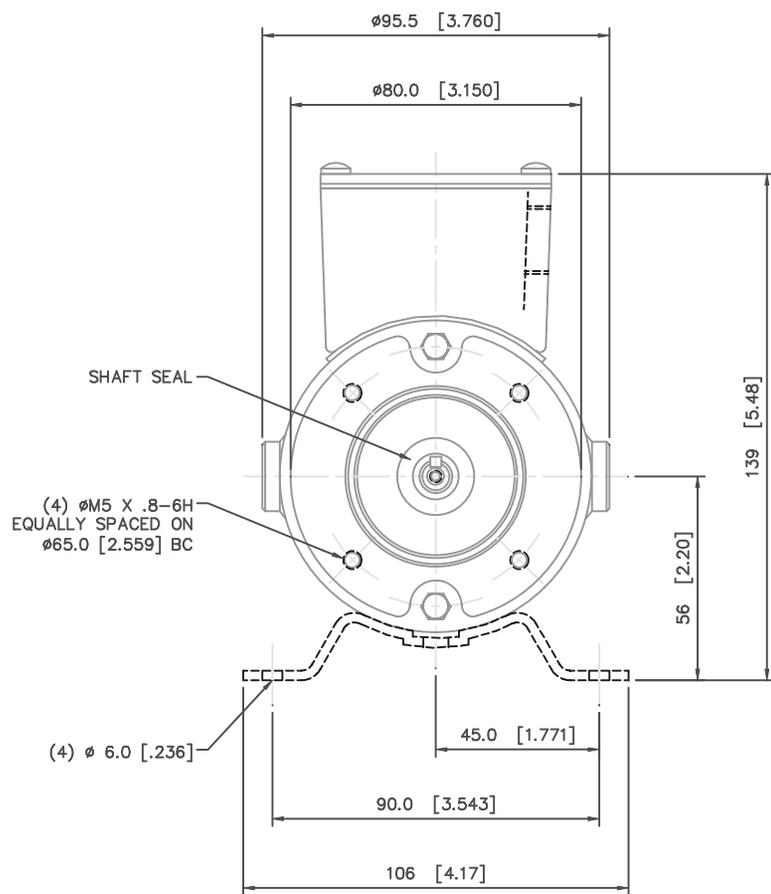
Nameplate Specifications

Output KW	0.18 kW	Voltage	180 V
Speed	3000 rpm	Service Factor	1
Frame	56D	Thermal Protection	No Protection
Efficiency	71.6 %	Ambient Temperature	40 °C
Current	1.2 A	Duty	S1
Insulation Class	F	Drive End Bearing Size	6201-13
Opp Drive End Bearing Size	6201-13	UL	Recognized
CSA	Y	CE	Y

Technical Specifications

Rotation	Reversible	Mounting	B14
Overall Length	7.54 in	Frame Length	5.98 in
Shaft Diameter	0.375 in	Shaft Extension	0.788 in
Torque	54.1 OZ-IN		
Connection Drawing	M100512601	Outline Drawing	M1030274-E56

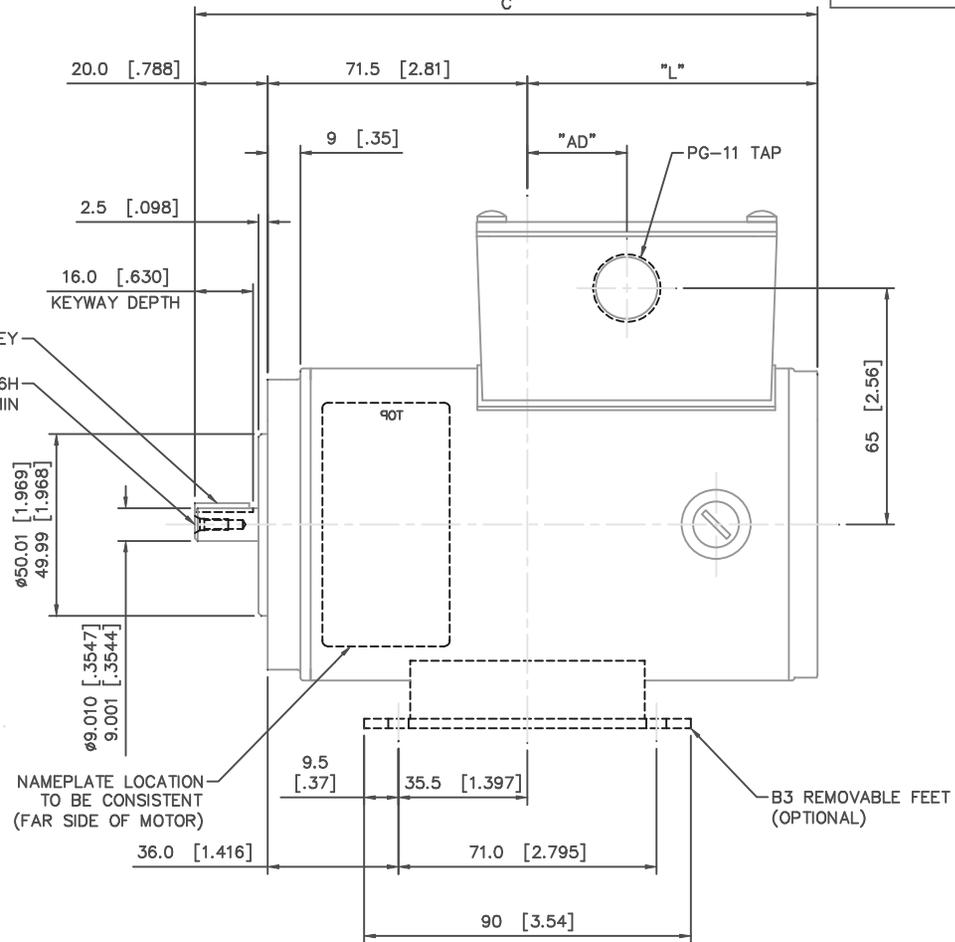
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(4) $\phi 5$ X .8-6H
EQUALLY SPACED ON
 $\phi 65.0$ [2.559] BC

SHAFT SEAL

3mm SQ X 15mm KEY
M3 X 0.5-6H
9.0 [.354] DP MIN



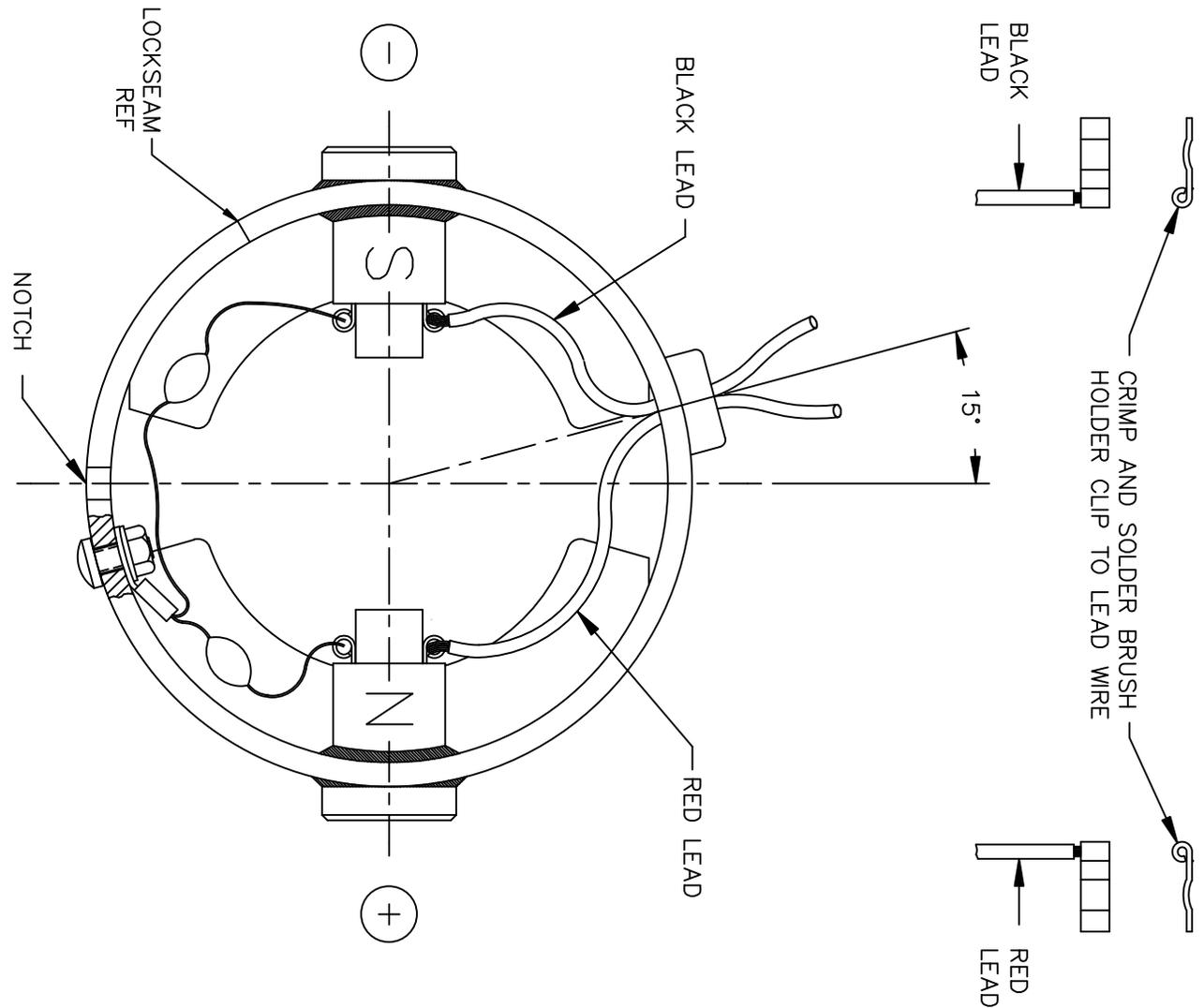
NAMEPLATE LOCATION
TO BE CONSISTENT
(FAR SIDE OF MOTOR)

B3 REMOVABLE FEET
(OPTIONAL)

E56	191.7 [7.547]	100.1 [3.941]	49.5 [1.949]
C56	171.3 [6.744]	79.8 [3.142]	29.2 [1.149]
B56	158.6 [6.244]	67.1 [2.642]	16.5 [.649]
FRAME	C	L	AD

				TOLERANCES UNLESS OTHERWISE SPECIFIED			LEESON ELECTRIC CORPORATION					
				DEC.	INCHES	METRIC						
03	REDIMENSIONED WITH DUAL DIMENSIONING	SAD 3/7/01	IPG	.X	± 1	± 2.5	DRAWN	SPV 2/12/92	TITLE	OUTLINE		
02	EXT DIA CHANGED PER DIN SPECS	PWW 8/4/93		.XX	± 0.3	± 7.6	APPR.	TCB 3/2/92	IEC D56 (34 FRAME) - B14 FLANGE			
01	ADDED NAMEPLATE	DWF 6/24/92		.XXX	± 0.005	± 1.27	R.F.P.	MAT'L				
NO.	REVISION	BY & DATE	CH'K'D.	.XXXX	± 0.0005	± 0.0127	SCALE	3=4				
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.				FRACTIONS	$\pm 1/64$	REF.			FINISH	LEESON	REV.	DRAWING NO.
				ANGLES	$\pm 1/2^\circ$	FMF			STOCK	03	M1030274.00	

DC MOTORS



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

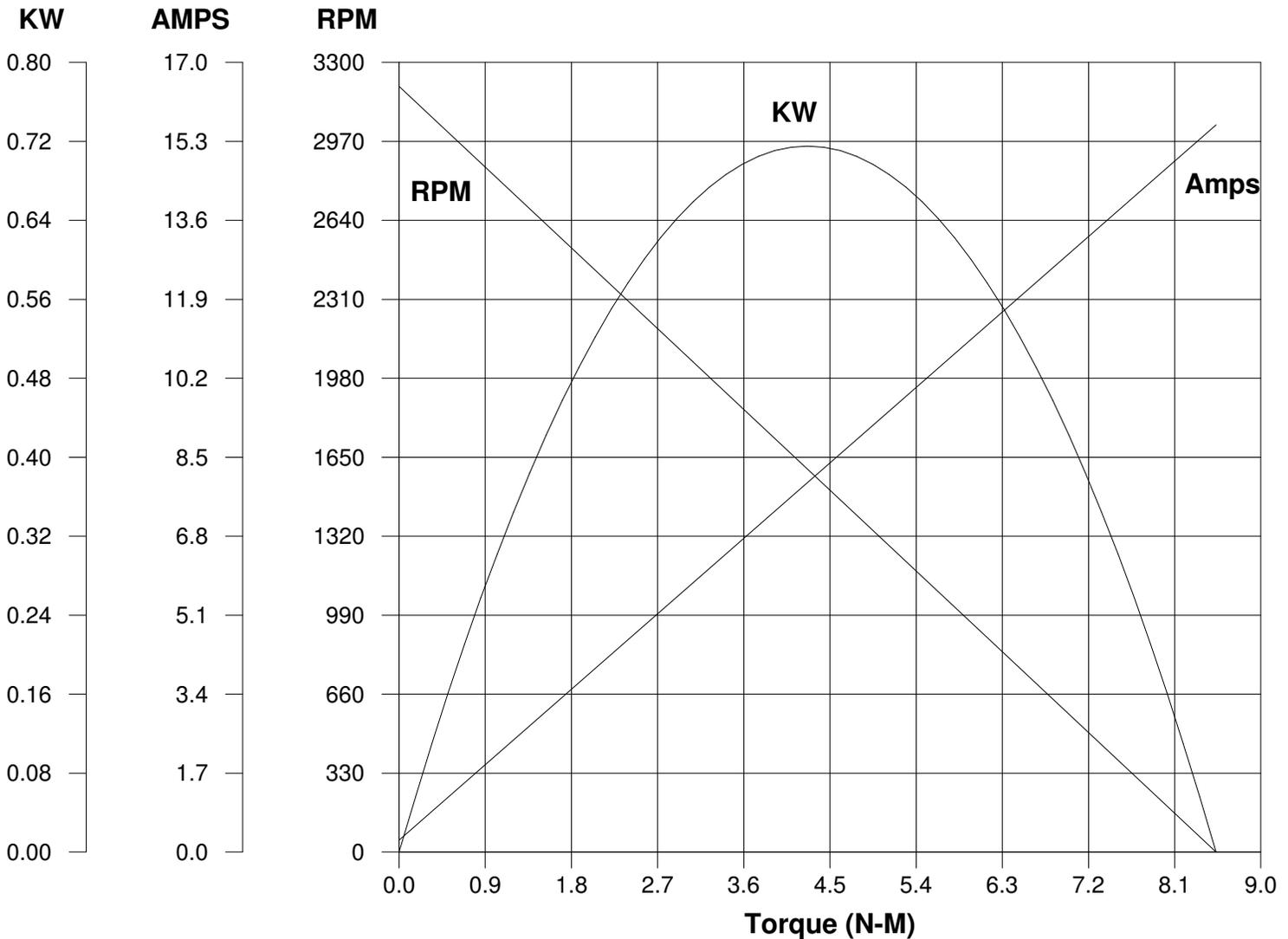
EXTERNAL CONNECTIONS FOR CW ROTATION VIEWING LEAD END OF MOTOR WITH RED LEAD POSITIVE (+) FOR CCW ROTATION REVERSE POLARITY

				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	SMB 11/20/03	IPG	.XX	±.01	TITLE CONNECTION DIAGRAM WITH FILTER CIRCUIT	FMF M1130136.00
	PER M1130392.00			.XXX	±.005	MAT'L.	PREV
01	REMOVED PART NUMBERS	DWF 05/07/96		.XXXX	±.0005	FINISH	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'		
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			DIST				REV. 02

LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE FOR DIRECT CURRENT PERMANENT MAGNET MOTOR

Model No. <u>CIM34D30NC2</u>	Catalog No. <u>M1130141.00</u>	
KW <u>0.120</u>	RPM <u>3000</u>	DC Volts <u>180.0</u>
F.F. <u>1.40</u>	Encl <u>IP54</u>	N.P. FLA <u>0.90</u>
Max. Amb. <u>40.0 Deg C</u>	Insul. <u>F</u>	Type <u>E56-9</u>
		Frame <u>56D</u>
		S.F. <u>1.00</u>
		Duty <u>S1</u>



Ra 8.3000 Ohms
La 32.00 mHenrys
Ja 1.319 KG-CM²
Ke 56.22 V/KRPM

Kt 0.5369 N-M/AMP
Imax 17.3 AMPS Allowed
FL Torque 0.3820 N-M
FL EFF 71.60 %

Winding W- MD342150-1 **Prepared by** V. Boehlen **Date** 05-11-2005