

# PRODUCT INFORMATION PACKET



Model No: 108458.00  
Catalog No: 108458.00  
Metric Motor, 24 V, 3000 RPM, 80D Frame, IP54



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**Nameplate Specifications**

Output KW	1.5 kW	Voltage	24 V
Speed	3000 rpm	Service Factor	1
Frame	80D	Thermal Protection	No Protection
Efficiency	82.7 %	Ambient Temperature	40 °C
Current	78.0 A	Duty	S1
Insulation Class	H	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	17.14 in	Frame Length	11.50 in
Shaft Diameter	0.750 in	Shaft Extension	2.05 in
Torque	42 LB-IN		
Connection Drawing	00531901	Outline Drawing	031074-ZL80

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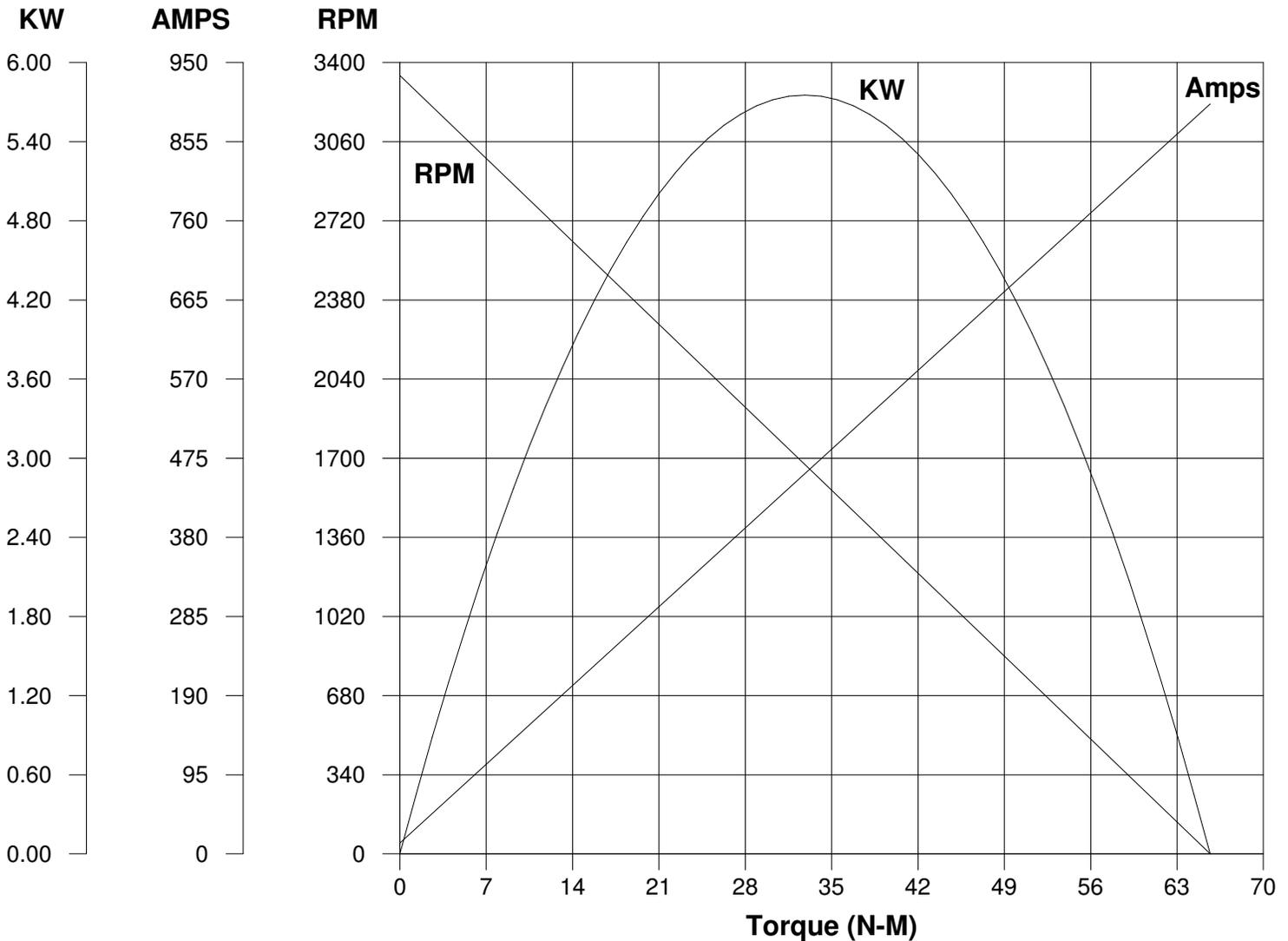
CONNECTIONS SHOWN FOR CCW ROTATION FACING LEAD END OF THE MOTOR  
 TO REVERSE ROTATION INTERCHANGE LINE LEADS

				TOLERANCES UNLESS SPECIFIED		 <b>Regal Beloit America, Inc.</b>	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		
E	"MOTOR" WAS "ARMATURE", ECO-0163602	IPG 3/14/19		.XX	±.01		PMDC MOTOR		
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
						<b>4 of 5</b>			

# LEESON ELECTRIC CORPORATION

## TYPICAL PERFORMANCE CURVE FOR DIRECT CURRENT PERMANENT MAGNET MOTOR

Model No. <u>CI4D34FT7</u>	Catalog No. <u>108458.00</u>	
KW <u>1.500</u>	RPM <u>3000</u>	DC Volts <u>24.0</u>
F.F. <u>1.00</u>	Encl <u>IP44</u>	Type <u>ZL80-14</u>
Max. Amb. <u>40.0 Deg C</u>	Insul. <u>H</u>	Frame <u>80D</u>
		N.P. FLA <u>78.00</u>
		S.F. <u>1.00</u>
		Duty <u>S1</u>



**Ra** 0.04030 Ohms  
**La** 0.0550 mHenrys  
**Ja** 81.26 KG-CM<sup>2</sup>  
**Ke** 7.167 V/KRPM

**Kt** 0.0684 N-M/AMP  
**Imax** 1093.8 AMPS Allowed  
**FL Torque** 4.745 N-M  
**FL EFF** 82.70 %

**Winding W-** D554117-1      **Prepared by** V. Boehlen      **Date** 05-26-2005