

PRODUCT INFORMATION PACKET



Model No: 098067.00
Catalog No: 098067.00
Metric Motor, 24 V, 1800 RPM, 71 Frame, IP54



Regal and LEESON are trademarks of Regal Rexnord Corporation or one of its affiliated companies.
©2025 Regal Rexnord Corporation, All Rights Reserved. MC017097E





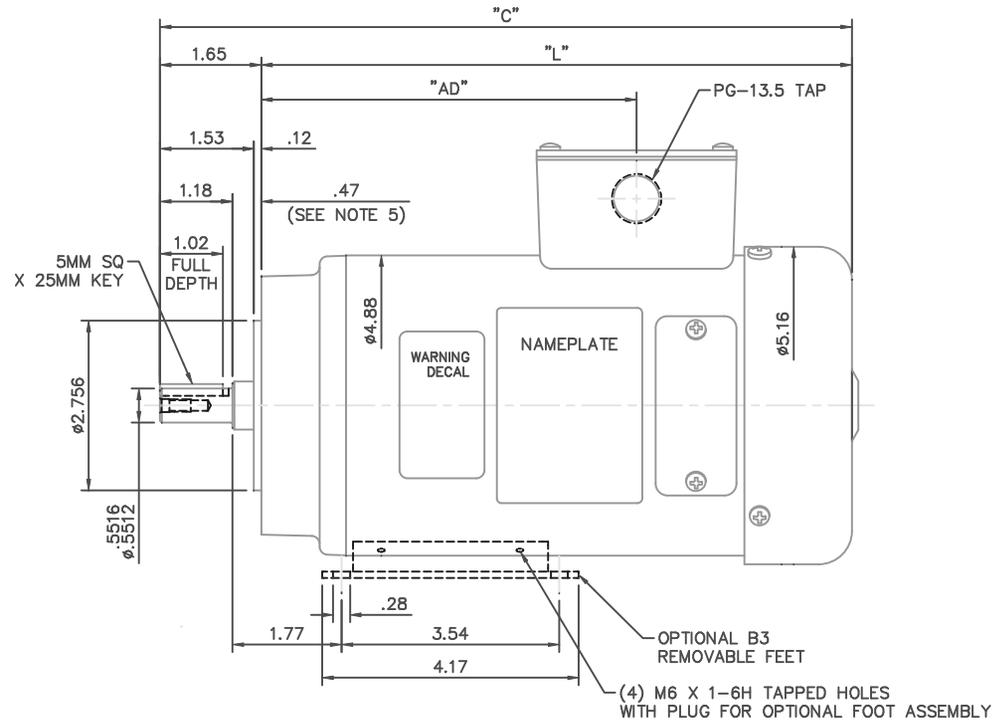
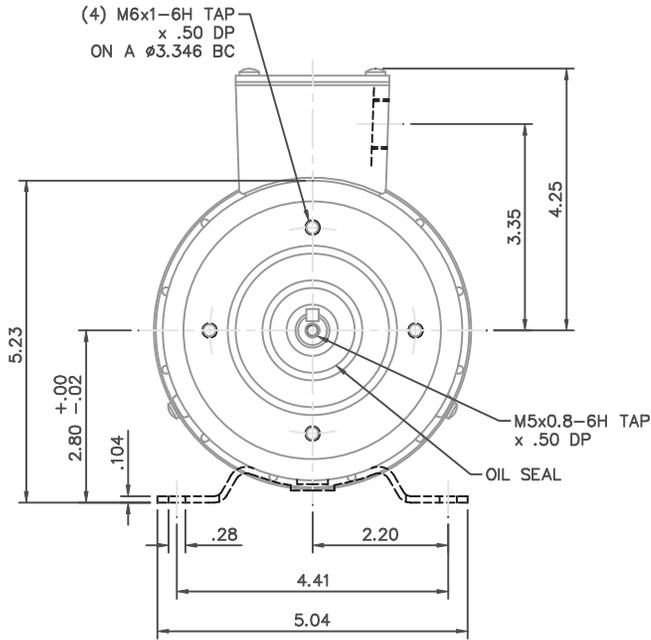
Nameplate Specifications

Output KW	0.37 kW	Voltage	24 V
Speed	1800 rpm	Service Factor	1
Frame	71	Thermal Protection	No Protection
Efficiency	76.9 %	Ambient Temperature	40 °C
Current	20.0 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	12.27 in	Frame Length	7.50 in
Shaft Diameter	0.562 in	Shaft Extension	1.65 in
Torque	17.5 LB-IN		
Outline Drawing	027790-N71	Connection Drawing	00531901

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:05/09/2025



NOTES:

1. MAXIMUM FACE RUNOUT TO BE .004 T.I.R.
2. MAXIMUM PILOT ECCENTRICITY .004 T.I.R
3. PERMISSIBLE SHAFT RUNOUT .002 T.I.R.
4. GASKETS THROUGHOUT.
5. DIMENSION IS SPACED PROVIDED FOR A BOLT-ON B5 OR B14 ADAPTER KIT FOR THE IEC 71 FRAME.

N71	12.27	10.62	7.12	W71	15.27	13.62	10.12
M71	11.77	10.12	6.62	V71	14.77	13.12	9.62
L71	11.27	9.62	6.12	U71	14.27	12.62	9.12
K71	10.77	9.12	5.62	T71	13.77	12.12	8.62
J71	10.27	8.62	5.12	R71	13.27	11.62	8.12
H71	9.77	8.12	4.62	P71	12.77	11.12	7.62
FRAME	"C"	"L"	"AD"	FRAME	"C"	"L"	"AD"

NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	TOLERANCES UNLESS SPECIFIED		TITLE	DRAWN		
						DEC.	INCHES				
04	CHANGED TO MYLAR NAMEPLATE PER ISAAC 08-2461.	RPB 12/18/08	BC	.X	±.1			ELECTRIC MOTORS GEARMOTORS AND DRIVES	IPG 7/23/01		
03	FIXED FAN SCREW ORIENTATION PER ECR 82153	BPW 04/21/03	SAD	.XX	±.03				CHK		
02	ADDED MILLIMETERS TO KEY DIM ECR 78384	SAD 11/9/01	IPG	.XXX	±.005				APPD		
01	REDRAWN AND DIM PER ECR 73376 EFF. IMMED.	CRK 9/12/01	CRK	.XXXX	±.0005				SAD 7/23/01		
									SCALE		
								REF	1=2		
								FMF	027543.00		
								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	027790	SIZE	DRAWING NO.	REV.
						DIST			B	027790.00	04



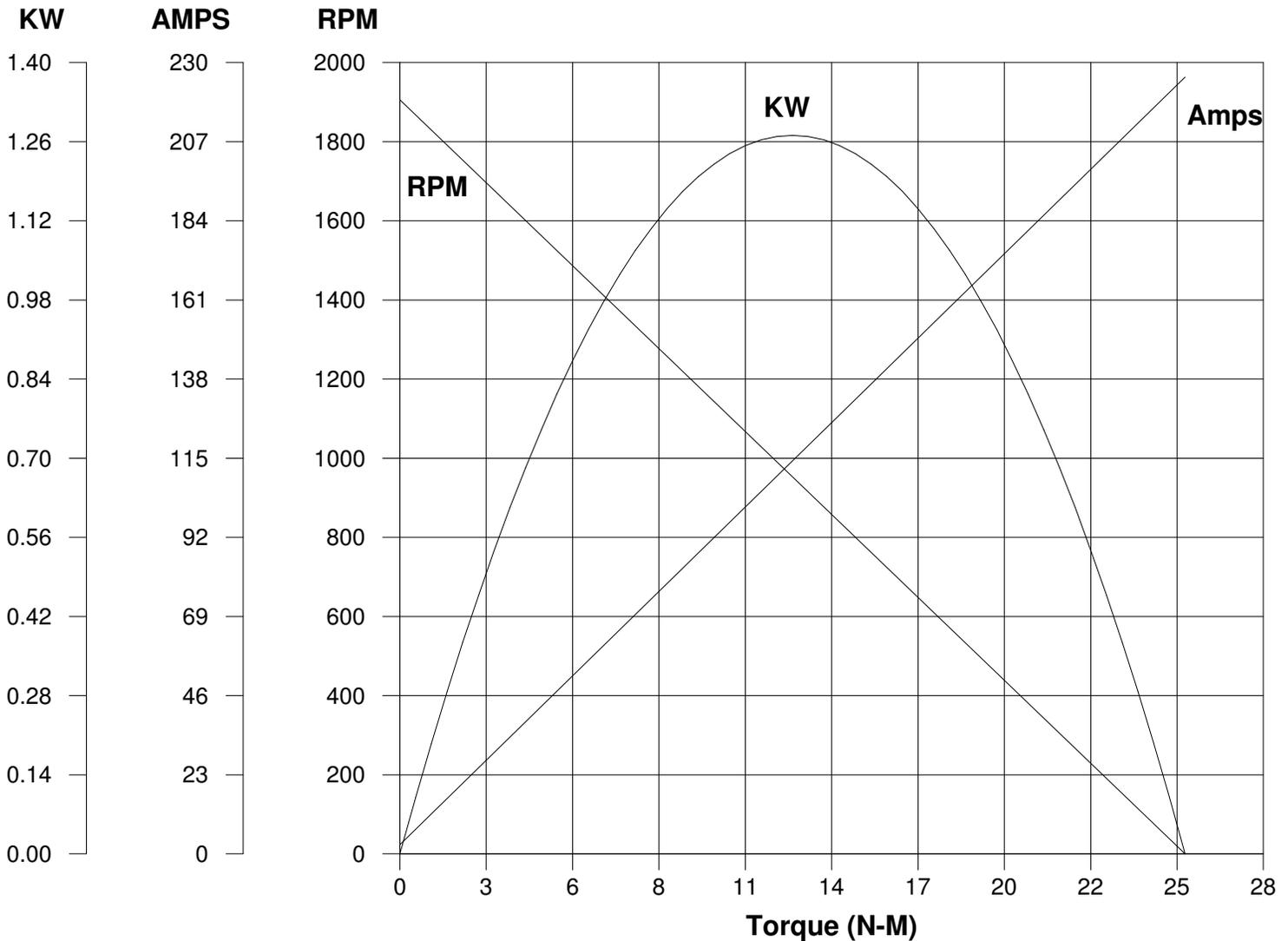
CONNECTIONS SHOWN FOR CCW ROTATION FACING LEAD END OF THE MOTOR
 TO REVERSE ROTATION INTERCHANGE LINE LEADS

				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		
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		SCALE 1=2		
01	REDRAWN ON CAD. REVISED NOTES.	SJB 9/20/2005		.XXXX	±.0005	MAT'L.	REF		
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH	FMF		
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>CI42D17FT7</u>	Catalog No. <u>098067.00</u>	
KW <u>0.370</u>	RPM <u>1800</u>	DC Volts <u>24.0</u>
F.F. <u>1.00</u>	Encl <u>IP54</u>	N.P. FLA <u>20.00</u>
Max. Amb. <u>40.0 Deg C</u>	Insul. <u>F</u>	Type <u>N71-12</u>
		Frame <u>71D</u>
		S.F. <u>1.00</u>
		Duty <u>S1</u>



Ra <u>0.06900</u> Ohms
La <u>0.9000</u> mHenrys
Ja <u>23.78</u> KG-CM ²
Ke <u>11.83</u> V/KRPM

Kt <u>0.1130</u> N-M/AMP
Imax <u>239.4</u> AMPS Allowed
FL Torque <u>1.977</u> N-M
FL EFF <u>76.90</u> %

Winding W- D47273-1 Prepared by V. Boehlen Date 05-25-2005