

PRODUCT INFORMATION PACKET



Model No: 098015.00
Catalog No: 098015.00
Metric Motor, 180 V, 1800 RPM, 71 Frame, IP54



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Nameplate Specifications

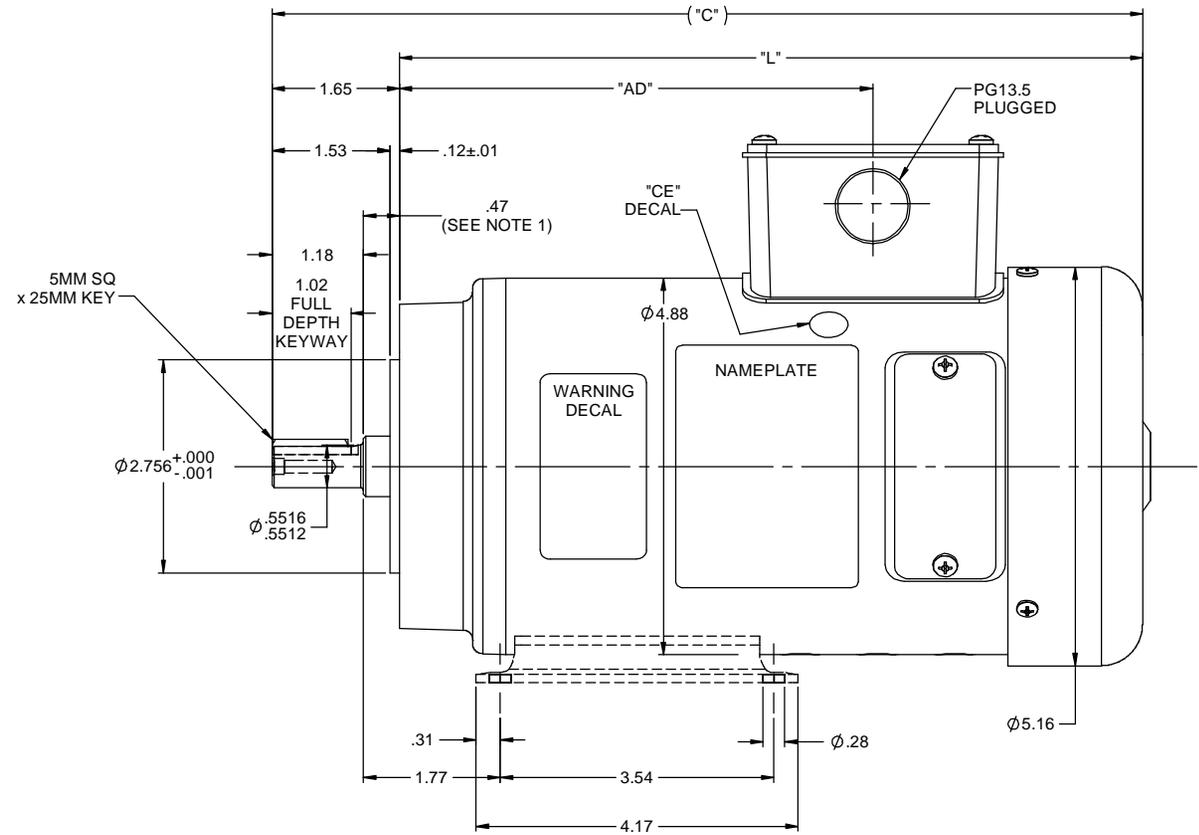
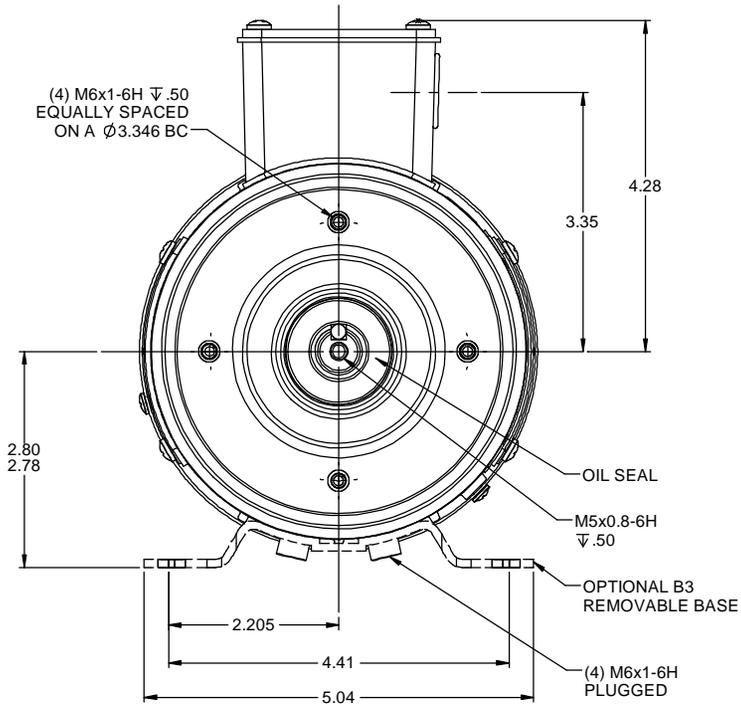
Output KW	0.55 kW	Voltage	180 V
Speed	1800 rpm	Service Factor	1
Frame	71	Thermal Protection	No Protection
Efficiency	83.7 %	Ambient Temperature	40 °C
Current	3.5 A	Duty	S1
Insulation Class	F	Drive End Bearing Size	6204
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	Y

Technical Specifications

Rotation	Reversible	Mounting	Special
Overall Length	11.78 in	Frame Length	7.00 in
Shaft Diameter	0.562 in	Shaft Extension	1.65 in
Torque	17.5 LB-IN		
Connection Drawing	00531901	Outline Drawing	027543-098015

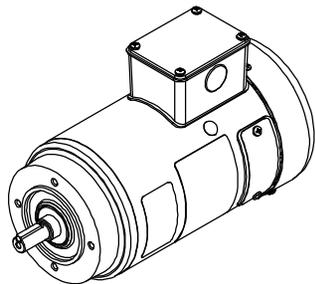
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- NOTES:
 1) DIMENSION IS SPACE PROVIDED FOR A BOLT-ON B5 OR B14 ADAPTER KIT FOR THE IEC 71 FRAME.
 2) MAXIMUM FACE RUNOUT TO BE .004 T.I.R.
 3) MAXIMUM PILOT ECCENTRICITY .004 T.I.R.
 4) PERMISSIBLE SHAFT RUNOUT .002 T.I.R.
 5) GASKETS THROUGHOUT.

CATALOG No.	"C"	"L"	"AD"	VOLTS	K.W.	RPM
098014.00	11.28	9.63	6.13	180	.25	1800
098015.00	11.78	10.13	6.63	180	.37	1800
098016.00	10.78	9.13	5.63	180	.37	3000
098017.00	11.78	10.13	6.63	180	.55	3000



TOLERANCES UNLESS SPECIFIED		DEC INCHES		TITLE	DRAWN	DATE			
DEC	INCHES	DEC	INCHES						
X	±.1			OUTLINE 42 FRAME DC - IEC 71	BJB 01/22/92	CHK			
XX	±.03						APPR	RPB 01/22/92	SCALE
XXX	±.005						REF		5:8
05	CHANGED TO MYLAR NAMEPLATE PER ISAAC 08-24-08	RPB 12/17/08	BC	XXXX	±.0005	MATL	FMF		
NO	REVISION	BY & DATE	CHK	ANG	±1/2°	FINISH	PAGE		
				THIRD ANGLE PROJECTION	PREV	SIZE	DRAWING NO		
				NETWORK FILE NAME	027543	B	027543		
				REV	---	OF	---		



ELECTRIC MOTORS
 GEARMOTORS
 AND DRIVES



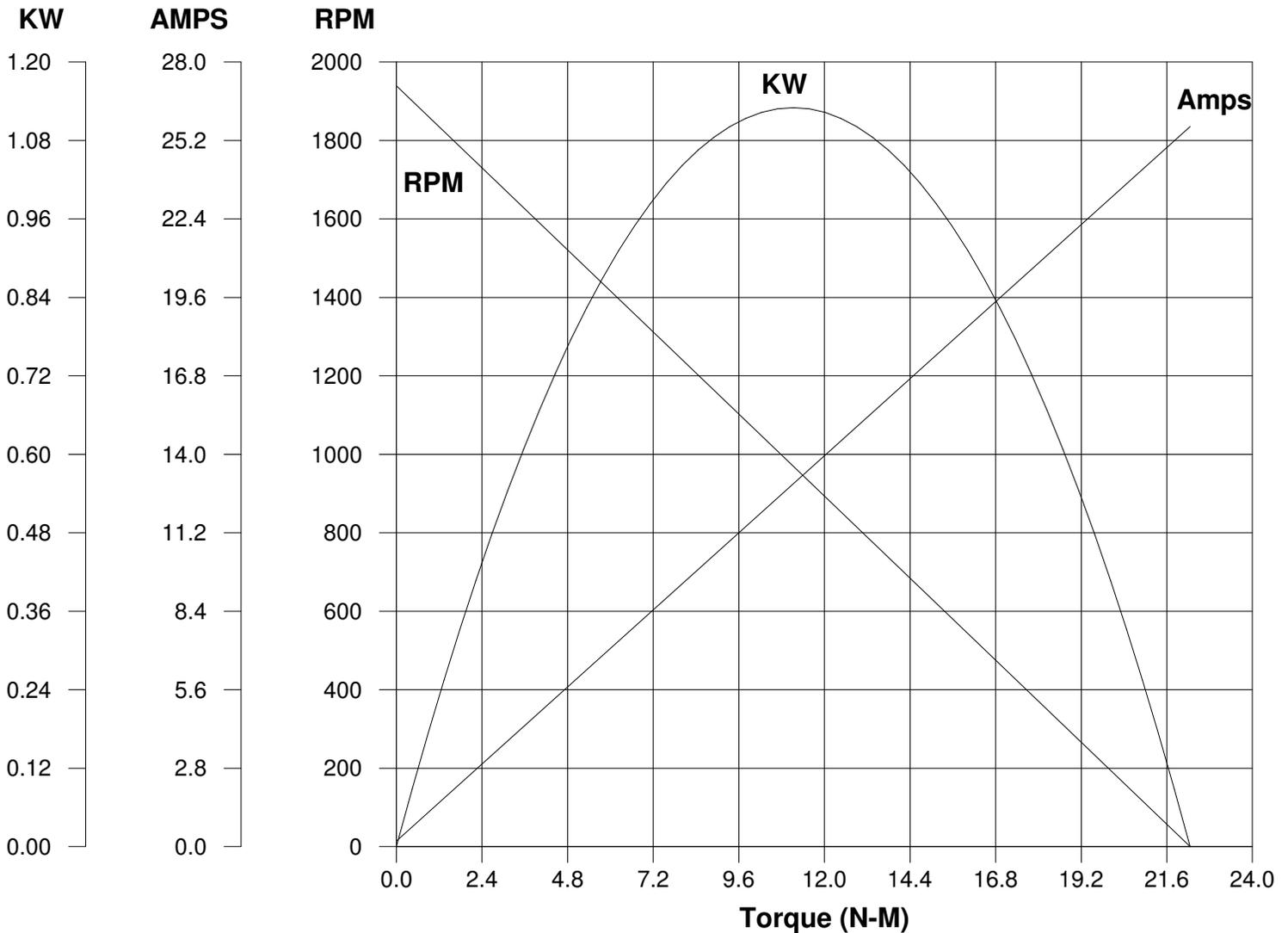
CONNECTIONS SHOWN FOR CCW ROTATION FACING LEAD END OF THE MOTOR
 TO REVERSE ROTATION INTERCHANGE LINE LEADS

			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	APPD POW 11/15/97			
E	"MOTOR" WAS "ARMATURE", ECO-0163602	IPG 3/14/19		.XX	±.01	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	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 A	DRAWING NO. 005319.01	REV. F
			DIST						

LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE FOR DIRECT CURRENT PERMANENT MAGNET MOTOR

Model No. <u>CI42D17FT2</u>	Catalog No. <u>098015.00</u>	
KW <u>0.370</u>	RPM <u>1800</u>	DC Volts <u>180.0</u>
F.F. <u>1.40</u>	Encl <u>IP54</u>	N.P. FLA <u>2.50</u>
Max. Amb. <u>40.0 Deg C</u>	Insul. <u>F</u>	Type <u>M71-12</u>
		Frame <u>71D</u>
		S.F. <u>1.00</u>
		Duty <u>S1</u>



Ra	<u>3.9230</u>	Ohms
La	<u>49.00</u>	mHenrys
Ja	<u>22.86</u>	KG-CM ²
Ke	<u>93.11</u>	V/KRPM

Kt	<u>0.8892</u>	N-M/AMP
Imax	<u>29.9</u>	AMPS Allowed
FL Torque	<u>1.977</u>	N-M
FL EFF	<u>83.60</u>	%

Winding W- D4726-1 Prepared by V. Boehlen Date 05-13-2005