

PRODUCT INFORMATION PACKET



Model No: 108046.00
Catalog No: 108046.00
Low Voltage Motor, 0.33 HP, 12 V, 1800 RPM, S56C Frame, TENV



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Nameplate Specifications

Output HP	0.33 Hp	Output KW	0.25 kW
Voltage	12 V	Speed	1800 rpm
Service Factor	1.0	Frame	S56C
Enclosure	Totally Enclosed Non Ventilated	Thermal Protection	No Protection
Efficiency	70.1 %	Ambient Temperature	40 °C
Current	27.0 A	Duty	Continuous
Insulation Class	F	Drive End Bearing Size	6203
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	N

Technical Specifications

Rotation	Reversible	Mounting	Rigid C base
Overall Length	10.77 in	Frame Length	4.47 in
Shaft Diameter	0.625 in	Shaft Extension	2.06 in
Torque	11.7 LB-IN		
Outline Drawing	031880-108046	Connection Drawing	00531901

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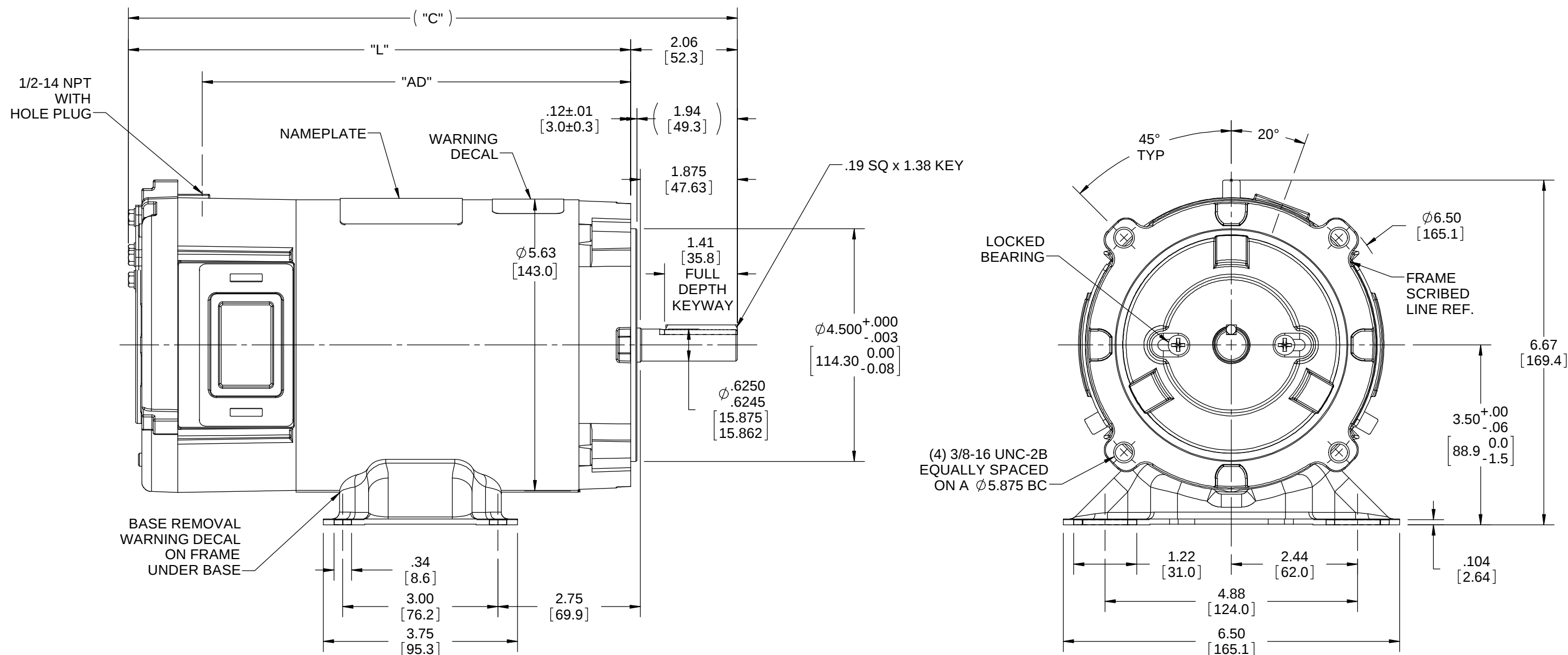
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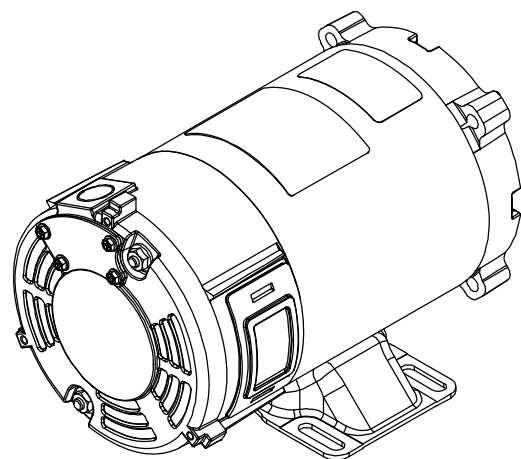


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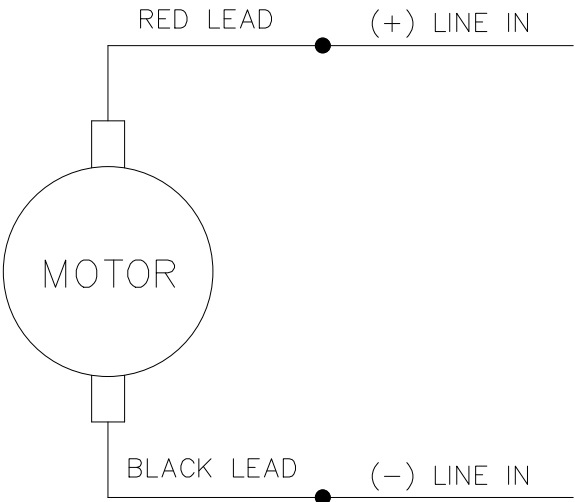
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- NOTES:
- 1) MAXIMUM FACE RUNOUT .004 T.I.R.
 - 2) MAXIMUM PILOT ECCENTRICITY .004 T.I.R.
 - 3) PERMISSIBLE SHAFT RUNOUT .002 T.I.R.
 - 4) GASKETS THROUGHOUT

108051.00	11.77	9.71	8.78	24	1/2	1800
108050.00	10.77	8.71	7.78	24	1/3	1800
108047.00	11.77	9.71	8.78	12	1/2	1800
108046.00	10.77	8.71	7.78	12	1/3	1800
108045.00	10.27	8.21	7.28	12	1/4	1800
CATALOG NO.	"C"	"L"	"AD"	VOLTS	H.P.	RPM



DRAWING REVISION D	REVISION BY IVAN GUERRA	REV DATE/© DATE 11/11/20	TOLERANCES (EXCEPT AS NOTED): DEC. INCH mm ANGLE .X ±0.1 [±3] ±0.5° .XX ±0.03 [±0.8] .XXX ±0.005 [±0.13] .XXXX ±0.0005 [±0.013] REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45° CORNER FILLETS: R.02 [.5] MACHINED SURFACES: 125/3.2 INCH/mm mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY				DRAWN BY IPG	REGAL ® Regal Beloit America, Inc.			
ECO ECO-0194555	APPROVED BY	DATE					DATE 3/26/08				
ECO DESCRIPTION UPDATED AND ADDED S56C MOUNT TO DESCRIPTION			REFERENCE 031879				APPROVED BY	DESCRIPTION OUTLINE 48 FRAME DC - S56C MOUNT			
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			SIZE B				REFERENCE 031879	PROCESS/FINISH			
			DRAWING NUMBER 031880				THIRD ANGLE PROJECTION	SHEET 1 OF 1			



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

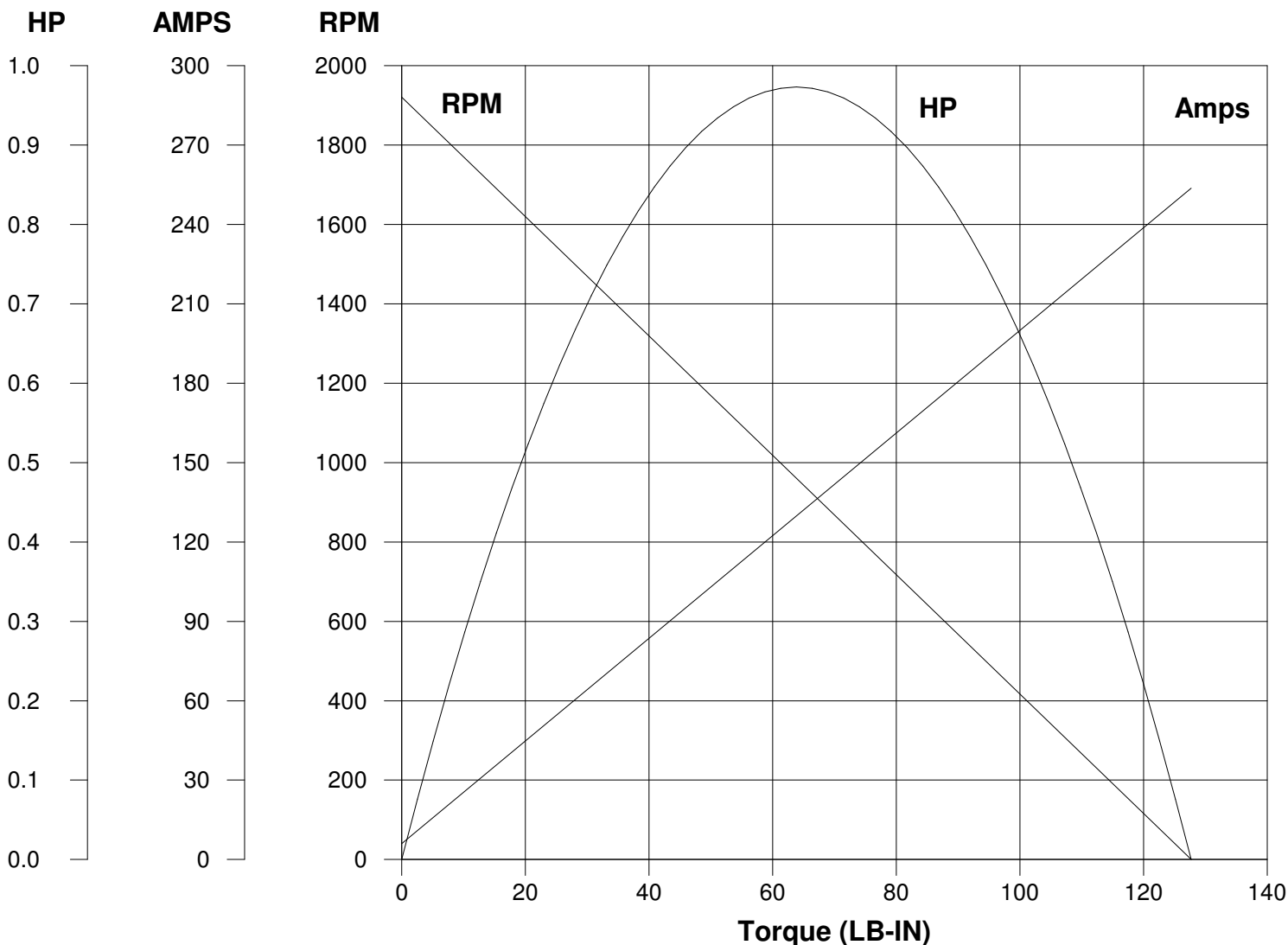
				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.	DRAWN TJF 11/15/97			
				DEC.	INCHES		CHK			
F	CHG FROM LEESON TO RRX TEMPLATE AS PER ECR-0237142	KVDG 09/19/24	DS	.X	±.1		APPD POW 11/15/97			
E	"MOTOR" WAS "ARMATURE", ECO-0163602	IPG 3/14/19		.XX	±.01	TITLE EXTERNAL WIRING DIAGRAM PMDc MOTOR			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	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		4 of 5		A	005319.01		F

LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE

FOR

DIRECT CURRENT PERMANENT MAGNET MOTOR

Model No. C4D17NK6Catalog No. 108046.00HP 0.333RPM 1800DC Volts 12.0N.P. FLA 27.00F.F. 1.00Encl TENVType DNS.F. 1.00Max. Amb. 40.0 Deg CInsul. FFrame S56CDuty CONT

Ra 0.03200 Ohms
 La 1.600 mHenrys
 Ja 4.800 LB-IN²
 Ke 6.111 V/KRPM

Kt 0.5165 LB-IN/AMP
 Imax 300.0 AMPS Allowed
 FL Torque 11.70 LB-IN
 FL EFF 70.10 %

Winding W- D56231Prepared by S. BernhardtDate 05-06-2009