

PRODUCT INFORMATION PACKET



Model No: 108322.00
Catalog No: 108322.00
Low Voltage Motor, 1 HP, 12 V, 1800 RPM, S56C Frame, TEFC



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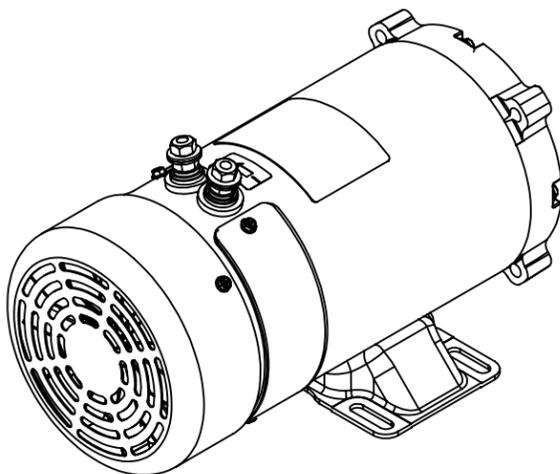
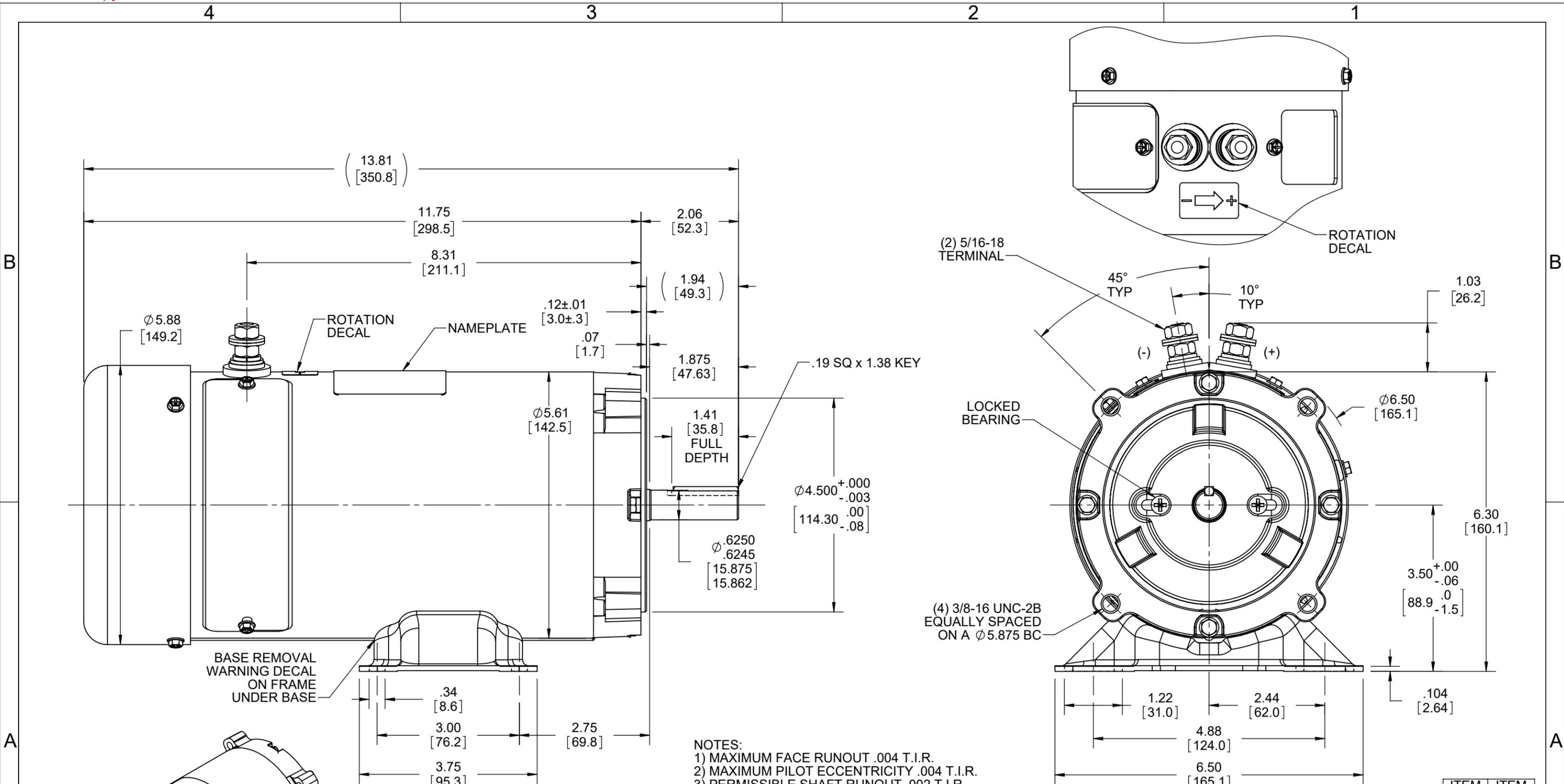
Nameplate Specifications

Output HP	1 Hp	Output KW	0.75 kW
Voltage	12 V	Speed	1800 rpm
Service Factor	1.0	Frame	S56C
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	No Protection
Efficiency	77.9 %	Ambient Temperature	40 °C
Current	80.0 A	Duty	Continuous
Insulation Class	H	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	13.81 in	Frame Length	8.50 in
Shaft Diameter	0.625 in	Shaft Extension	2.06 in
Torque	35 LB-IN		
Outline Drawing	031188	Connection Drawing	00531901

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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.

ITEM No.	ITEM REV
-00	006

DRAWING REVISION D	REVISION BY IVAN GUERRA	REV DATE/© DATE 5/2/22	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]	DRAWN BY JRA	Regal Beloit America, Inc.
REQUEST NUMBER ECR-0217452	APPROVED BY	DATE	DATE 5/16/95	DESCRIPTION OUTLINE 48 FRAME DC - S56C MOUNT	
REQUEST NUMBER DESCRIPTION CHANGED TO MYLAR NAMEPLATE			REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [08/.38] X 45° CORNER FILLETS: R.02 [5] MACHINED SURFACES: 125/3.2 INCH/mm	APPROVED BY	MATERIAL
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			THIRD ANGLE PROJECTION	SIZE B	DRAWING NUMBER 031188
					SHEET 1 OF 1



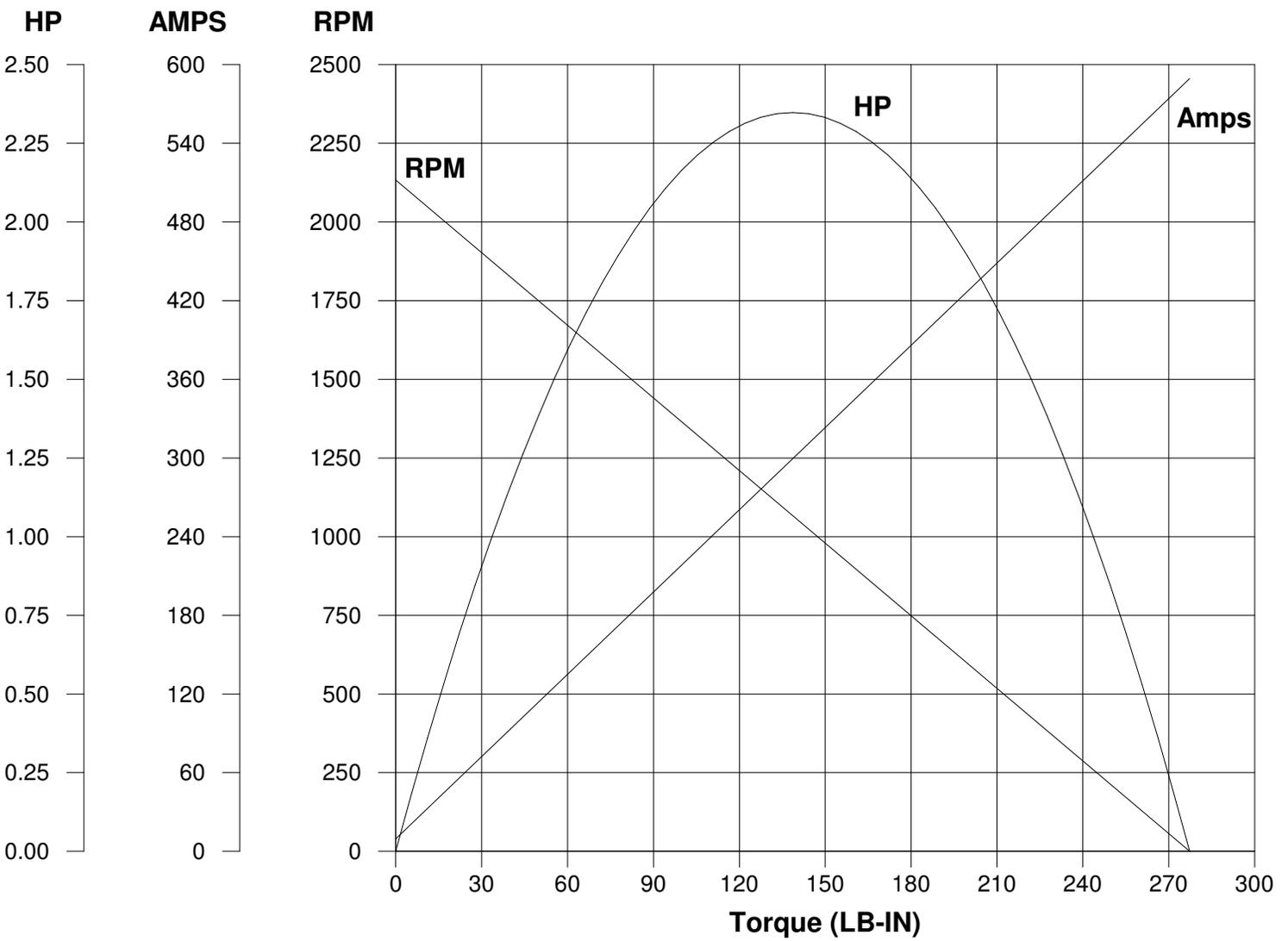
CONNECTIONS SHOWN FOR CCW ROTATION FACING LEAD END OF THE MOTOR
 TO REVERSE ROTATION INTERCHANGE LINE LEADS

			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	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. C4D17FK28 **Catalog No.** 108322.00
HP 1.000 **RPM** 1800 **DC Volts** 12.0 **N.P. FLA** 80.00
F.F. 1.00 **Encl** TEFC **Type** DF **S.F.** 1.00
Max. Amb. 40.0 Deg C **Insul.** F **Frame** XS56C **Duty** Cont



Ra <u>0.03900</u> Ohms La <u>0.0470</u> mHenrys Ja <u>10.00</u> LB-IN ² Ke <u>5.528</u> V/KRPM	Kt <u>0.4672</u> LB-IN/AMP Imax <u>875.0</u> AMPS Allowed FL Torque <u>35.00</u> LB-IN FL EFF <u>77.90</u> %
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Winding W- D55477-1 **Prepared by** S. Bernhardt **Date** 05-07-2009