

PRODUCT INFORMATION PACKET



Model No: 109300.00
Catalog No: 109300.00
Washdown Motor, 0.75 HP, 12 V, 1800 RPM, S56C Frame, TEFC



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Nameplate Specifications

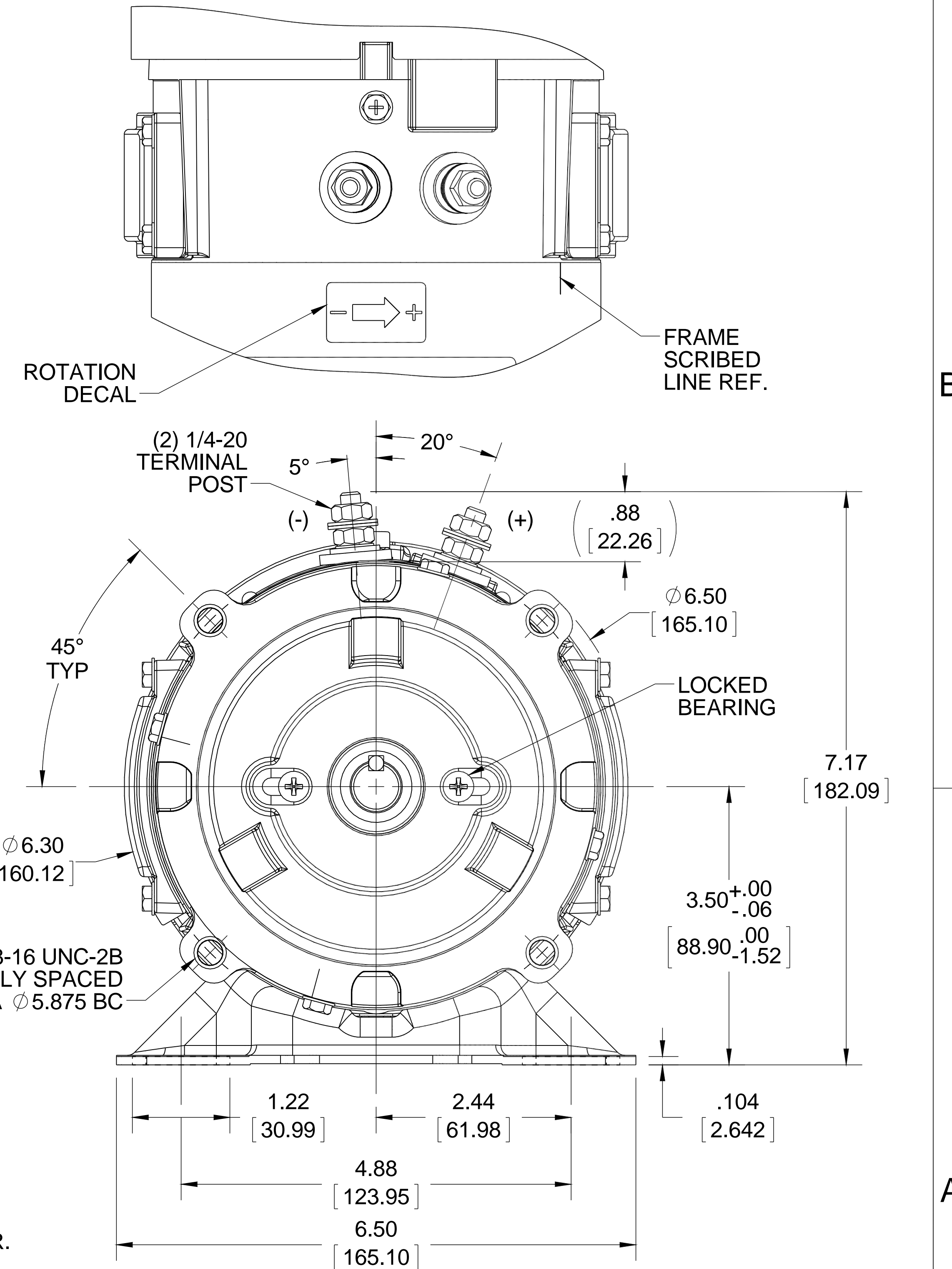
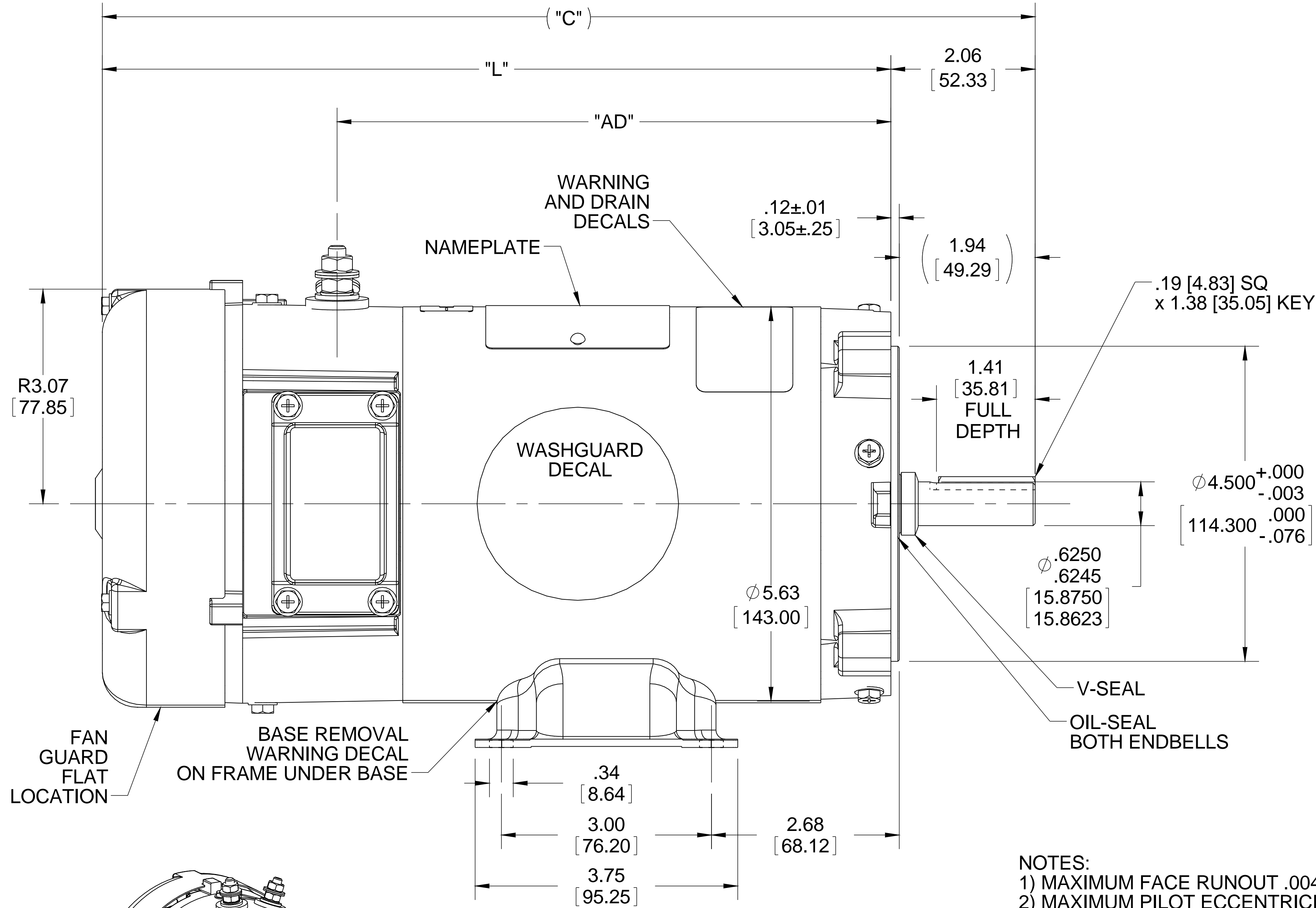
Output HP	0.75 Hp	Output KW	0.56 kW
Voltage	12 V	Speed	1800 rpm
Service Factor	1.0	Frame	S56C
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	No Protection
Efficiency	79.9 %	Ambient Temperature	40 °C
Current	58.0 A	Duty	Continuous
Insulation Class	F	Drive End Bearing Size	6203
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	N

Technical Specifications

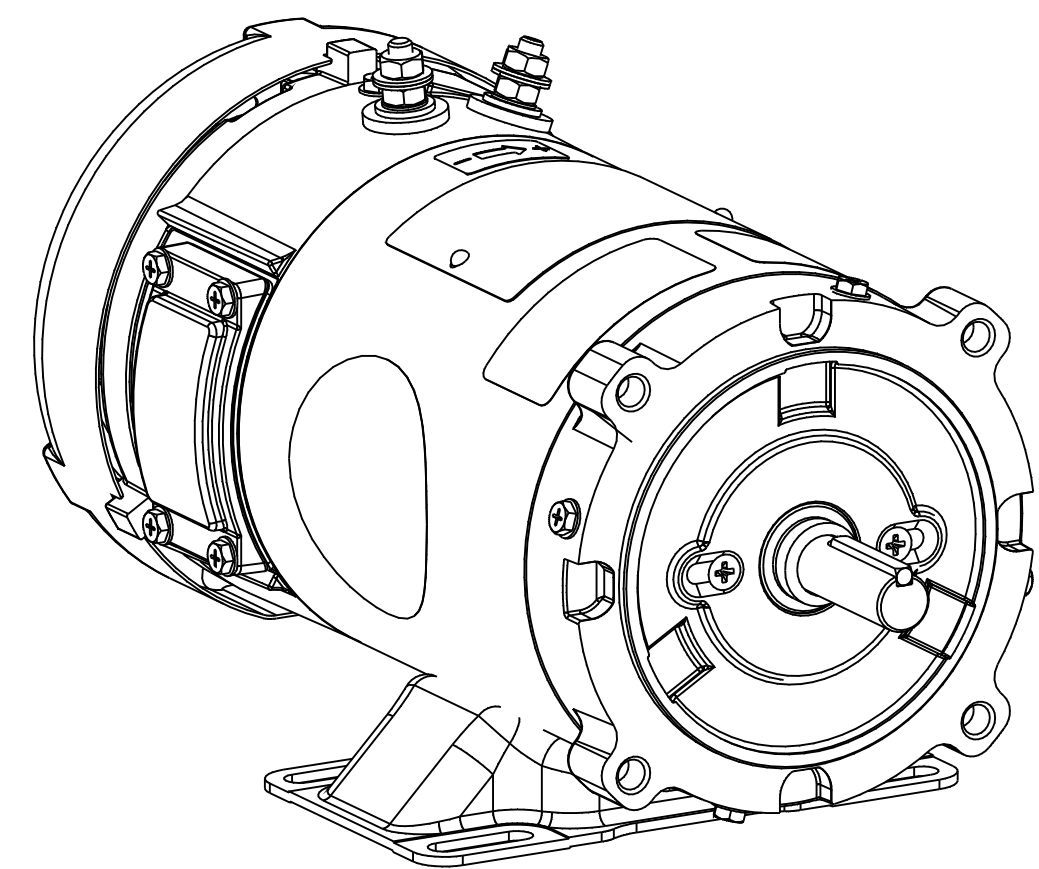
Rotation	Reversible	Mounting	Rigid C base
Overall Length	13.32 in	Frame Length	5.97 in
Shaft Diameter	0.625 in	Shaft Extension	2.06 in
Torque	26.3 LB-IN		
Outline Drawing	612-0225-109300	Connection Drawing	00531901

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109303.00	13.82 [351.03]	11.76 [298.70]	8.41 [213.61]	24	1	1800
109300.00	13.32 [338.33]	11.26 [286.00]	7.91 [200.91]	12	3/4	1800
CATALOG No.	"C"	"L"	"AD"	VOLTS	H.P.	RPM



- 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
 5) PLUGGED DRAIN HOLES IN ENDBELLS.

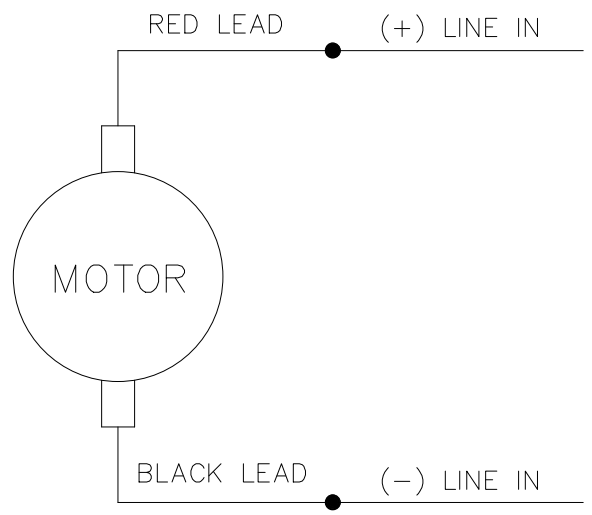


ITEM No.	ITEM REV
-000	0


DRAWING REVISION A	REVISION BY IVAN GUERRA	DATE 10/18/16
ECO ECO-0108708	APPROVED BY	DATE
ECO DESCRIPTION RELEASED		
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TOLERANCES UNLESS OTHERWISE SPECIFIED:			
DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±0.5°
.XX	±0.03	[±0.76]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	
REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45° CORNER FILLETS: R.02 [.51] MACHINED SURFACES: 125 INCH 3.2 mm SHOWN IN [BRACKETS]			

DRAWN BY IVAN GUERRA	REGAL ™ Regal Beloit America, Inc.	
DATE 10/18/16	DESCRIPTION OUTLINE 48 FRAME DC	
APPROVED BY	MATERIAL	PROCESS/FINISH
DATE	REFERENCE OLPR162099	
THIRD ANGLE PROJECTION	SIZE B	DRAWING NUMBER 612-0225
		SHEET 1 OF 1



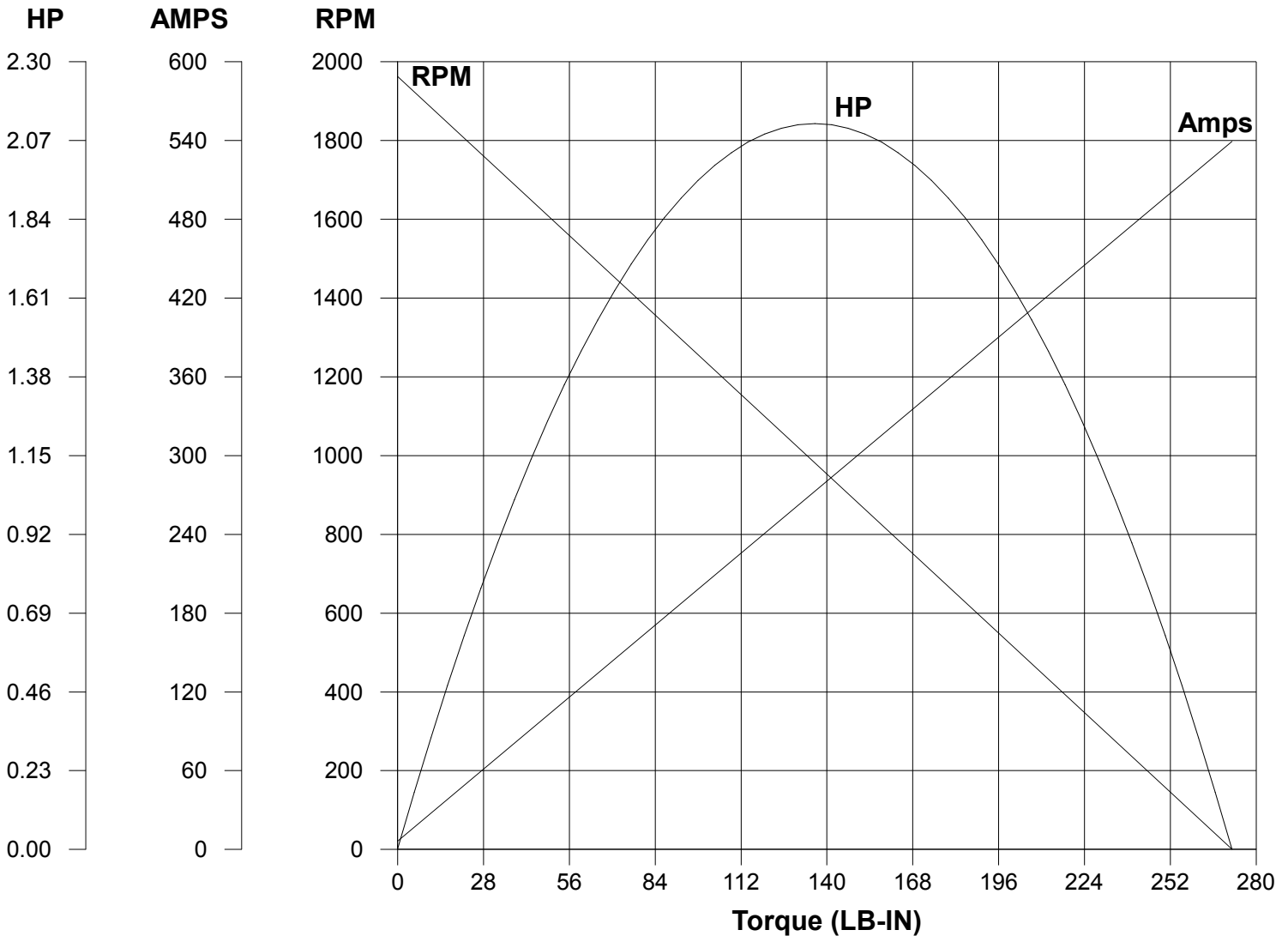
CONNECTIONS SHOWN FOR CCW ROTATION FACING LEAD END OF THE MOTOR
 TO REVERSE ROTATION INTERCHANGE LINE LEADS

				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	TITLE EXTERNAL WIRING DIAGRAM PMDC MOTOR	APPD POW 11/15/97		
E	"MOTOR" WAS "ARMATURE", ECO-0163602	IPG 3/14/19		.XX	±.01		SCALE 1=2	REF	
D	UPDATED TO MAKE IT GENERIC, ECO-0163547	IPG 3/13/19		.XXX	±.005		FMF		
01	REDRAWN ON CAD. REVISED NOTES.	SJB 9/20/2005		.XXXX	±.0005	FINISH		PREV	
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

LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE FOR DIRECT CURRENT PERMANENT MAGNET MOTOR

Model No. <u>C4D18WK16</u>	Catalog No. <u>109300.00</u>	
HP <u>0.750</u>	RPM <u>1800</u>	DC Volts <u>12.0</u>
F.F. <u>1.00</u>	Encl <u>TEFC</u>	Type <u>DF</u>
Max. Amb. <u>40.0 Deg C</u>	Insul. <u>F</u>	Frame <u>S56C</u>
		N.P. FLA <u>58.00</u>
		S.F. <u>1.00</u>
		Duty <u>CONT</u>



Ra 0.01250 Ohms
La 1.500 mHenrys
Ja 9.600 LB-IN²
Ke 6.056 V/KRPM

Kt 0.5118 LB-IN/AMP
Imax 550.0 AMPS Allowed
FL Torque 26.30 LB-IN
FL EFF 79.90 %

Winding W- D56220 **Prepared by** V. Boehlen **Date** 03-20-2019