

PRODUCT INFORMATION PACKET



Model No: 118016.00
Catalog No: 118016.00
Explosion Proof Motor, 0.50 HP, 90 V, 1750 RPM, S56C Frame, TENV



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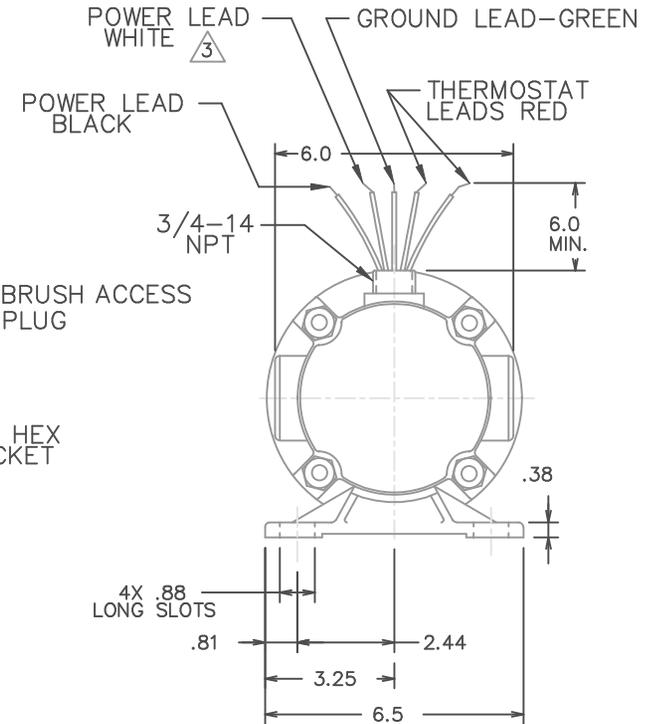
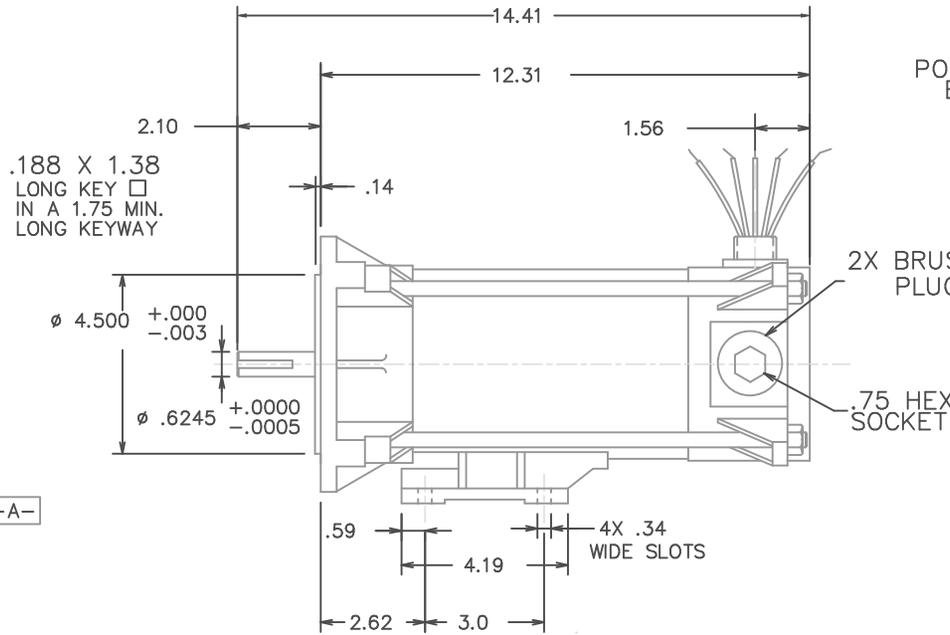
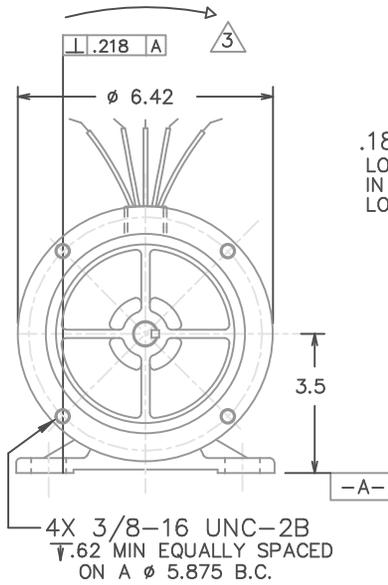
Nameplate Specifications

Output HP	0.50 Hp	Output KW	0.37 kW
Voltage	90 V	Speed	1750 rpm
Service Factor	1.0	Frame	S56C
Enclosure	Totally Enclosed Non Ventiladed	Thermal Protection	Automatic
Efficiency	84.4 %	Ambient Temperature	40 °C
Current	4.7 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	14.41 in	Shaft Diameter	0.625 in
Shaft Extension	2.1 in	Torque	18 LB-IN
Outline Drawing	034445		

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VOLTAGE	90 VDC
HORSEPOWER	1/2
RPM	1750
AMPERES	4.7
CONTINUOUS DUTY	
PERMANENT MAGNET FIELD	
CLASS H INSULATION	
BALL BEARINGS	

NOTE:

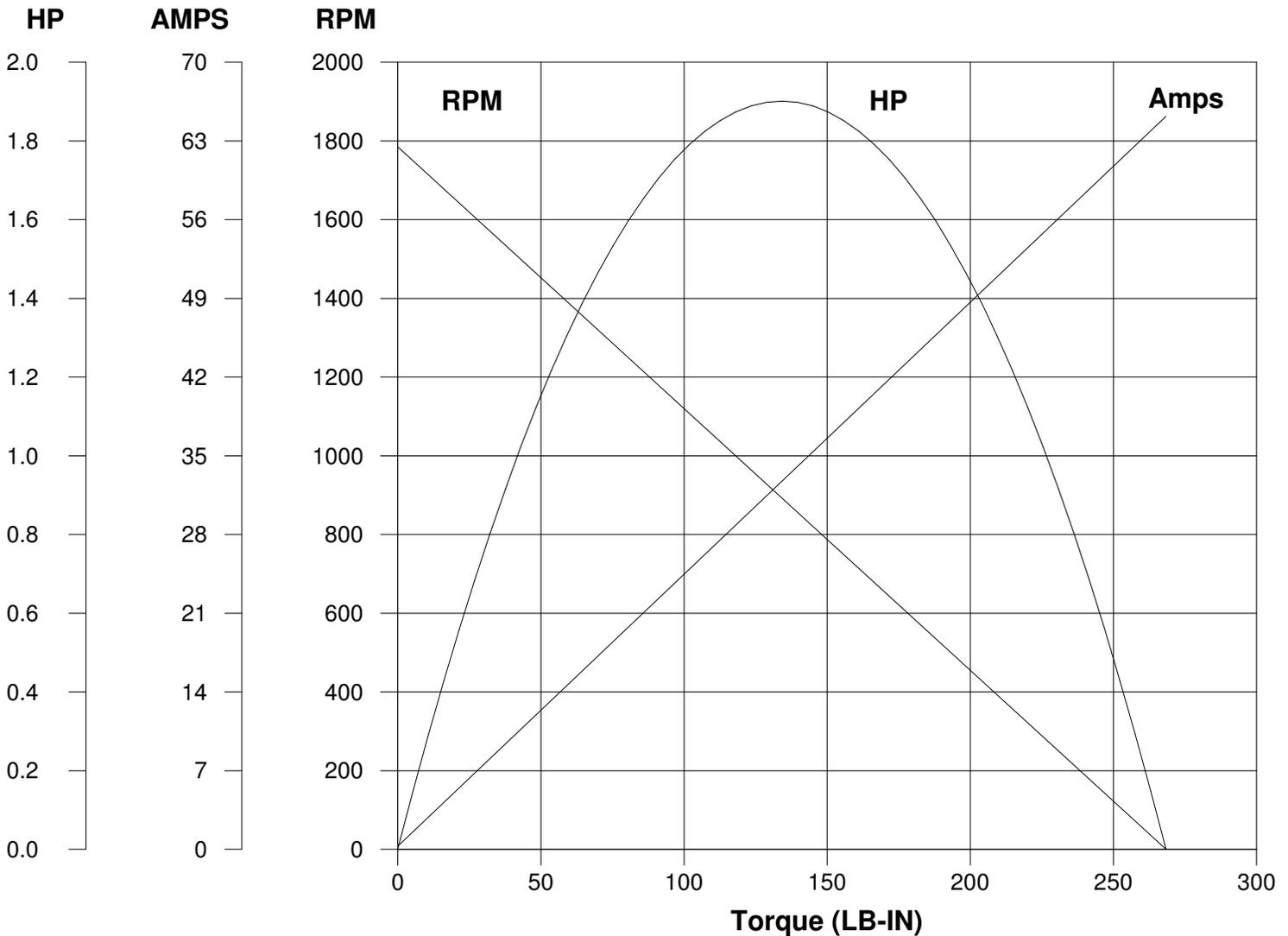
1. ALL DIMENSIONS REFERENCE UNLESS TOLERANCED.
2. MOTOR PAINTED BLUE SATIN.
3. POSITIVE TO WHITE WILL CAUSE CW ROTATION.
4. UL LISTED(E75276) AND CSA CERTIFIED(LR 701080)

				TOLERANCES UNLESS OTHERWISE SPECIFIED		LEESON ELECTRIC CORPORATION	
				DECIMALS		DRAWN ADS 06/12/95	
				.00	\pm .01	TITLE	
				.000	\pm .005	CH'K'D.	
				.0000	\pm .0005	APPR.	
01	OVERALL LENGTH WAS 15.97	WMM	10/7/97	FRACTIONS	\pm 1/64	SCALE NTS	
NO.	REVISION	BY	DATE	ANGLES	\pm 1/2'	REF.	PS 1436
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				INCH/MM		FINISH	
						SIZE	DRAWING NO.
						B	034445

LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE FOR DIRECT CURRENT PERMANENT MAGNET MOTOR

Model No. <u>C6D17EK2</u>	Catalog No. <u>118016.00</u>	
HP <u>0.500</u>	RPM <u>1750</u>	DC Volts <u>90.0</u>
F.F. <u>1.40</u>	Encl <u>TENV</u>	Type <u>DE</u>
Max. Amb. <u>40.0 Deg C</u>	Insul. <u>H</u>	Frame <u>S56C</u>
		N.P. FLA <u>4.70</u>
		S.F. <u>1.00</u>
		Duty <u>Cont</u>



Ra	<u>1.0300</u>	Ohms
La	<u>5.100</u>	mHenrys
Ja	<u>6.400</u>	LB-IN ²
Ke	<u>50.10</u>	V/KRPM

Kt	<u>4.235</u>	LB-IN/AMP
Imax	<u>87.0</u>	AMPS Allowed
FL Torque	<u>18.00</u>	LB-IN
FL EFF	<u>84.40</u>	%

Winding W- PS6-1 **Prepared by** V. Boehlen **Date** 05-02-2005