

PRODUCT INFORMATION PACKET



Model No: 118018.00
Catalog No: 118018.00
Explosion Proof Motor, 0.75 HP, 90 V, 1750 RPM, S56C Frame, TENV



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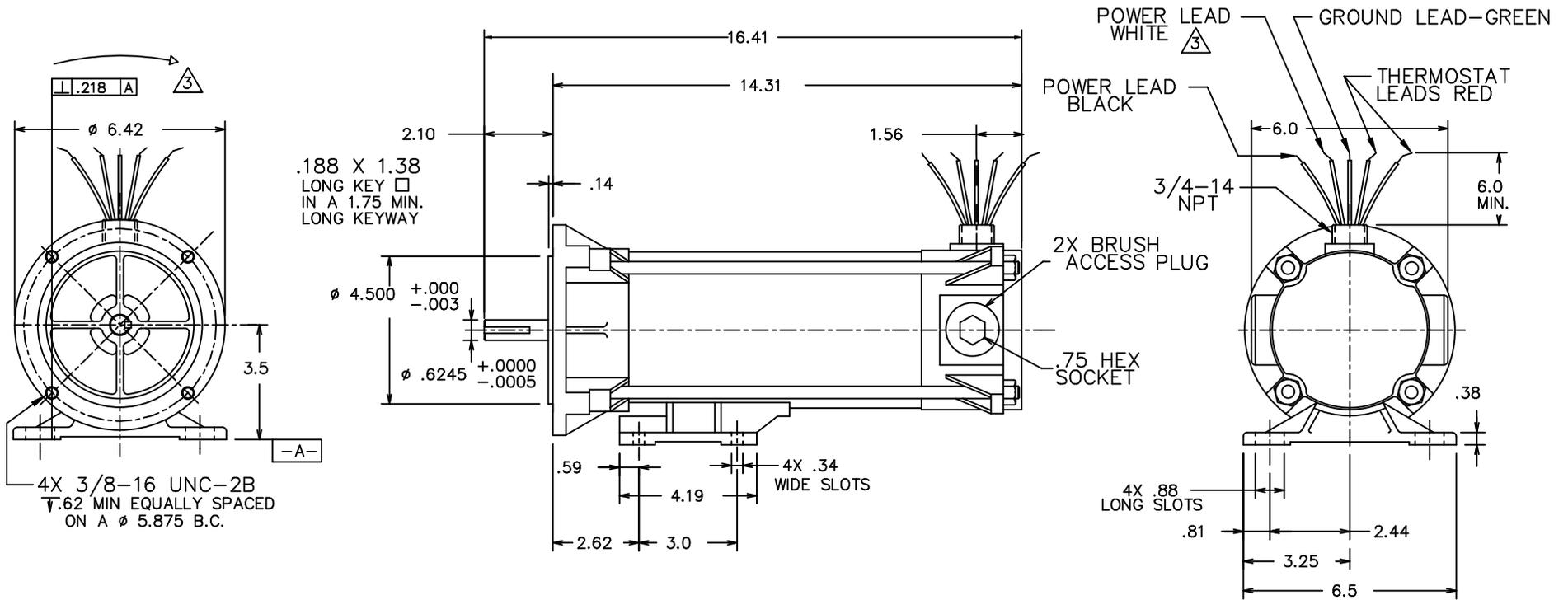
Nameplate Specifications

Output HP	0.75 Hp	Output KW	0.56 kW
Voltage	90 V	Speed	1750 rpm
Service Factor	1.0	Frame	S56C
Enclosure	Totally Enclosed Non Ventiladed	Thermal Protection	Automatic
Efficiency	82 %	Ambient Temperature	40 °C
Current	7.1 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	16.41 in	Shaft Diameter	0.625 in
Shaft Extension	2.1 in	Torque	27 LB-IN
Outline Drawing	034443		

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VOLTAGE	90 VDC
HORSEPOWER	3/4
RPM	1750
AMPERES	7.1
CONTINUOUS DUTY	
PERMANENT MAGNET FIELD	
CLASS H INSULATION	
BALL BEARINGS	

NOTE:

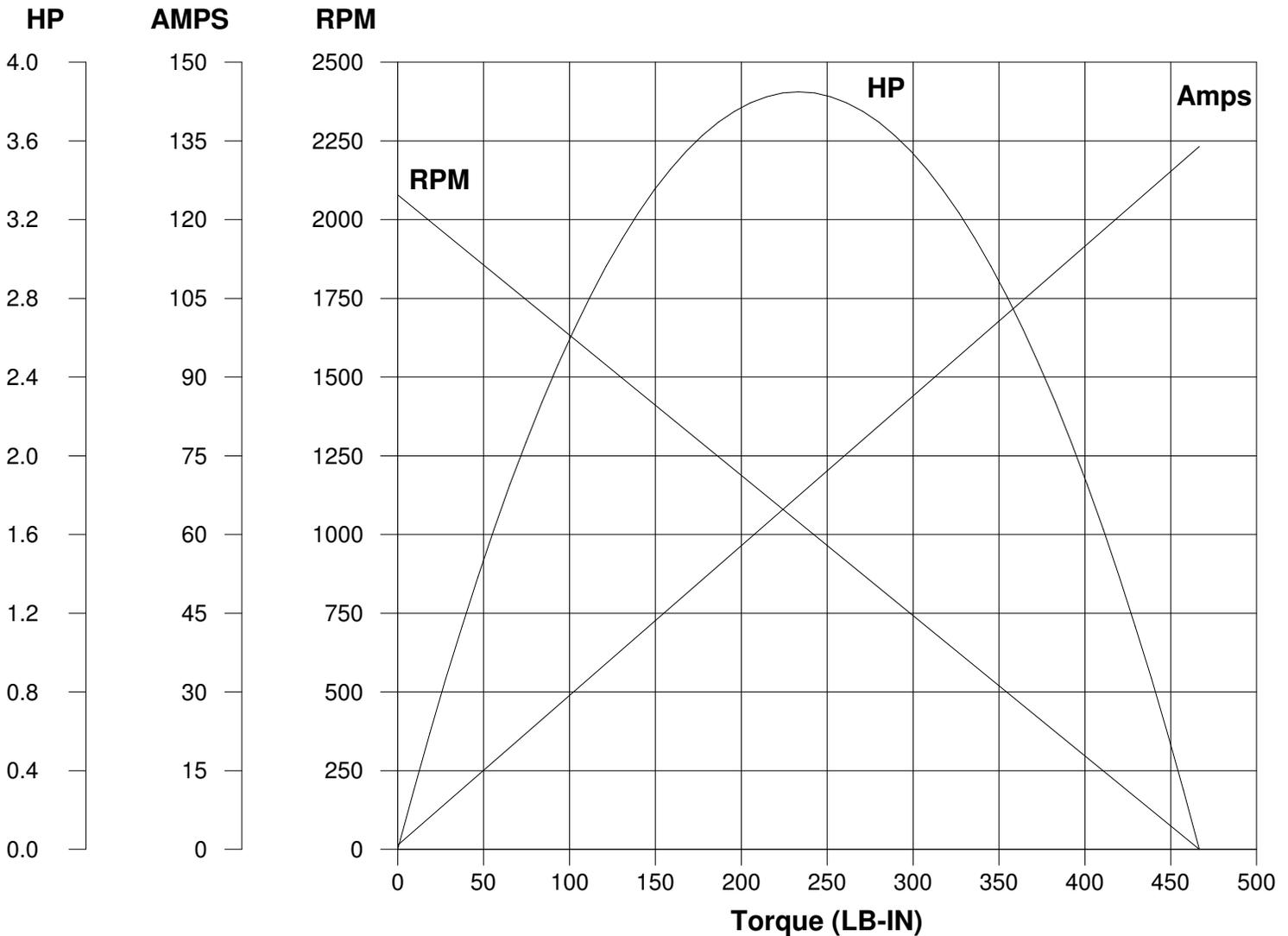
1. ALL DIMENSIONS REFERENCE UNLESS TOLERANCED.
2. MOTOR PAINTED BLUE SATIN.
3. POSITIVE TO WHITE WILL CAUSE CW ROTATION.
4. UL LISTED(E75276) AND CSA CERTIFIED(LR 701080)

					TOLERANCES UNLESS OTHERWISE SPECIFIED		LEESON ELECTRIC CORPORATION	
					DECIMALS		DRAWN ADS 06/12/95	
					.00	± .01	TITLE	
					.000	± .005	OUTLINE 56 FRAME	
01 OVERALL LENGTH WAS 17.97					.0000	± .0005	EXPLOSION PROOF DC MOTOR	
NO. REVISION					FRACTIONS	± 1/64	SCALE	MATL.
BY DATE					ANGLES	± 1/2°	REF.	FINISH
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		PS 5151	SIZE
							FMF C6D17EK4A	B
								DRAWING NO.
								034443

LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE FOR DIRECT CURRENT PERMANENT MAGNET MOTOR

Model No. <u>C6D17EK4</u>	Catalog No. <u>118018.00</u>	
HP <u>0.750</u>	RPM <u>1750</u>	DC Volts <u>90.0</u>
F.F. <u>1.40</u>	Encl <u>TENV</u>	N.P. FLA <u>7.10</u>
Max. Amb. <u>40.0 Deg C</u>	Insul. <u>H</u>	Type <u>DE</u>
		Frame <u>S56C</u>
		S.F. <u>1.00</u>
		Duty <u>Cont</u>



Ra 0.4200 Ohms
La 2.800 mHenrys
Ja 12.70 LB-IN²
Ke 41.57 V/KRPM

Kt 3.514 LB-IN/AMP
Imax 91.0 AMPS Allowed
FL Torque 27.00 LB-IN
FL EFF 82.00 %

Winding W- PS8-1A **Prepared by** V. Boehlen **Date** 05-04-2005