

PRODUCT INFORMATION PACKET

Model No: 128010.00
Catalog No: 128010.00
SCR Motor, 2 HP, 180 V, 1750 RPM, K145TC Frame, TEFC



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Nameplate Specifications

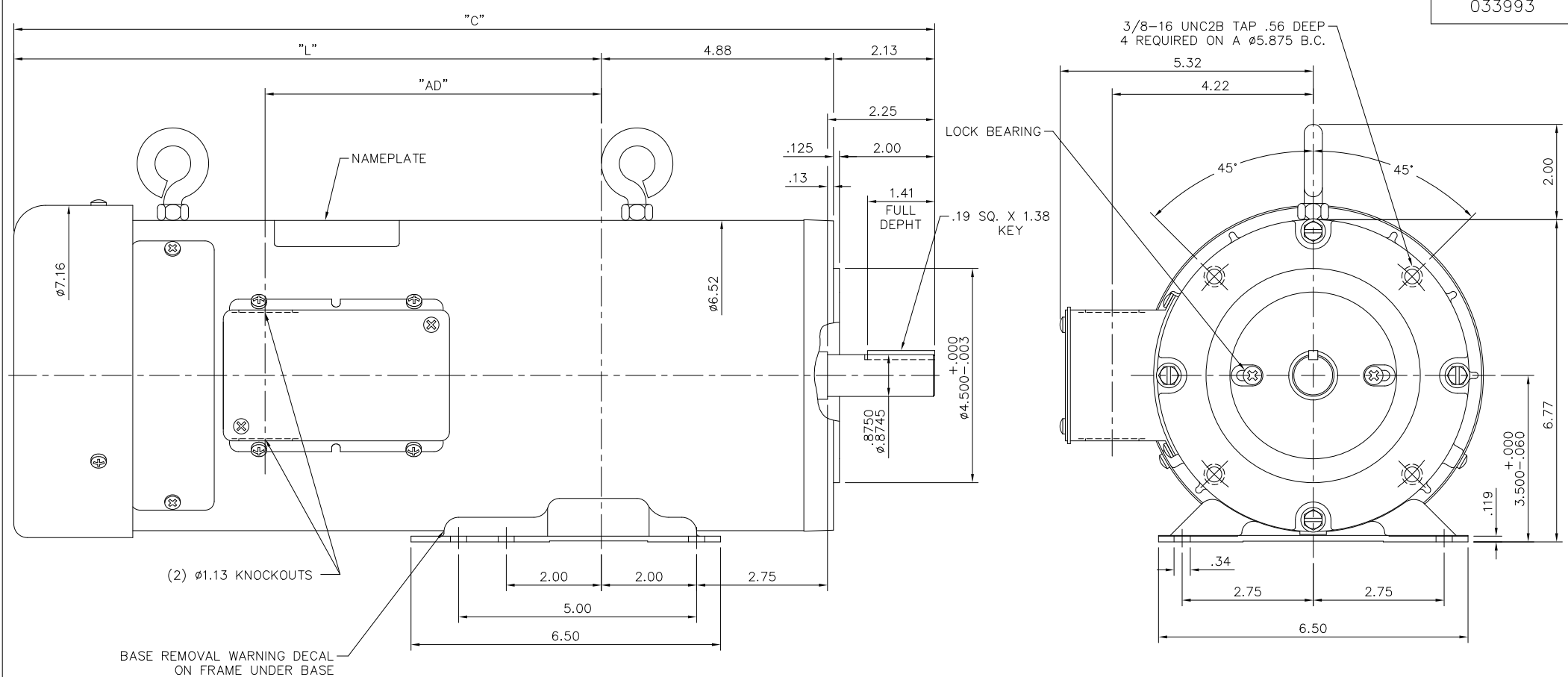
Output HP	2 Hp	Output KW	1.5 kW
Voltage	180 V	Current	9.5 A
Speed	1750 rpm	Service Factor	1
Efficiency	78.8 %	Duty	Continuous
Insulation Class	H	Frame	K145TC
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	No Protection
Ambient Temperature	40 °C	Drive End Bearing Size	6205
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	N

Technical Specifications

Rotation	Reversible	Mounting	Rigid C base
Overall Length	19.34 in	Frame Length	14.63 in
Shaft Diameter	0.875 in	Shaft Extension	2.13 in
Torque	72 LB-IN		
Connection Drawing	00531901	Outline Drawing	033993-K140


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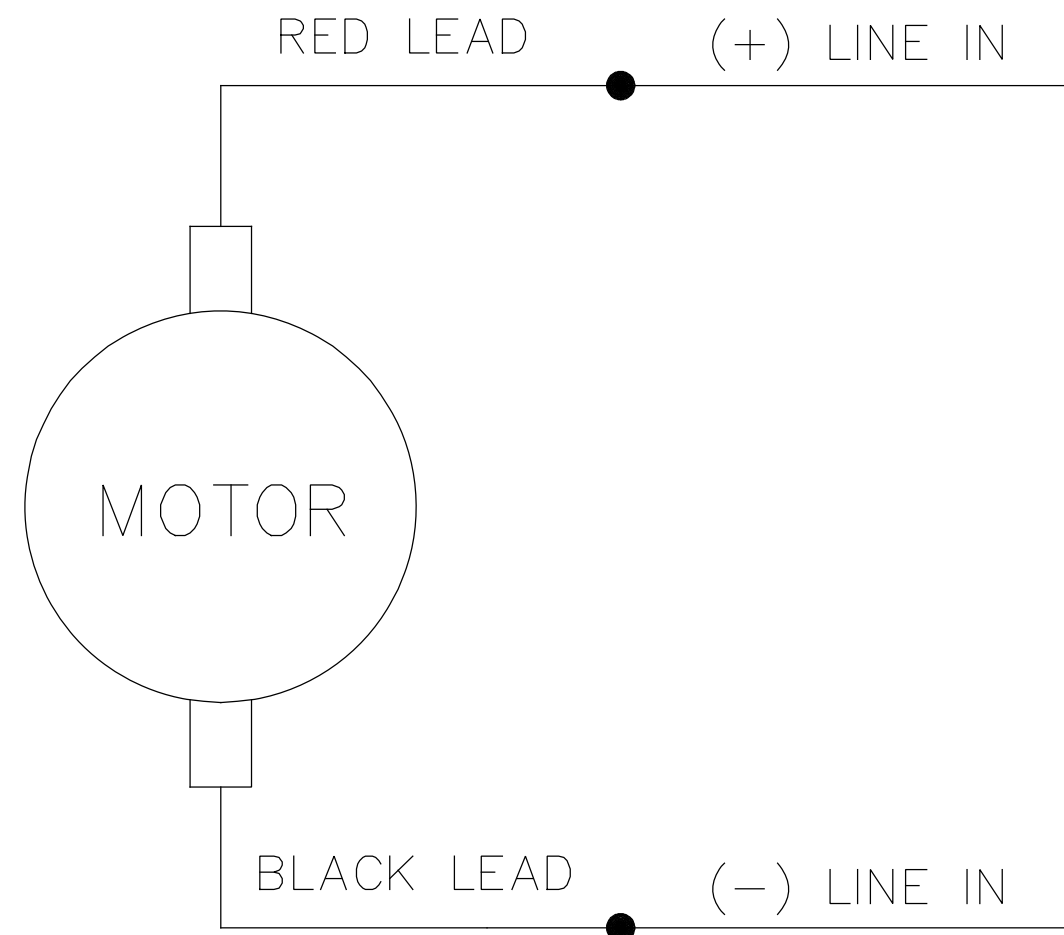
033993



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

J140	18.84	11.84	6.56	T140	22.34	15.34	10.06
H140	18.34	11.34	6.06	R140	21.84	14.84	9.56
G140	17.84	10.84	5.56	P140	21.34	14.34	9.06
F140	17.34	10.34	5.06	N140	20.84	13.84	8.56
E140	16.84	9.84	4.56	M140	20.34	13.34	8.06
D140	16.34	9.34	4.06	L140	19.84	12.84	7.56
C140	15.84	8.84	3.56	K140	19.34	12.34	7.06
FRAME	"C"	"L"	"AD"	FRAME	"C"	"L"	"AD"

		TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN PG 9/12/91	
		DEC.	INCHES			CHK	
		.X	±.1			APPD JCW 9/12/91	
		.XX	±.03	TITLE		SCALE 1=2	
		.XXX	±.005	56 FRAME DC - 140TC FACE AND BASE		REF 033945	
C		CHANGED TO MYLAR NAMEPLATE, ECR-0217487		IPG 5/4/22		FMF C145D17FK3	
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	033993	SIZE B
				DRAWING NO.		033993	
				REV.		C	



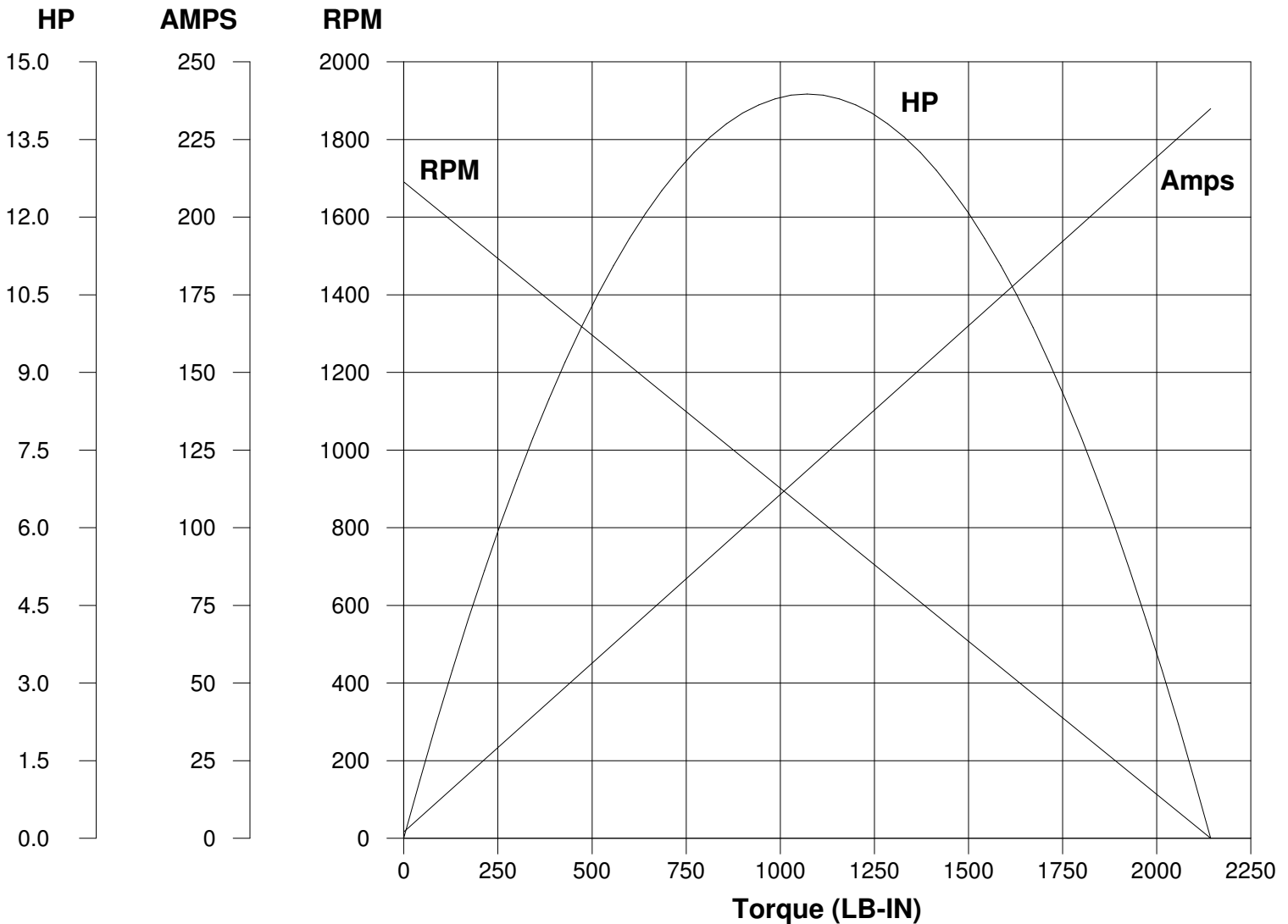
CONNECTIONS SHOWN FOR CCW ROTATION FACING LEAD END OF THE MOTOR
TO REVERSE ROTATION INTERCHANGE LINE LEADS

NO.	REVISION	BY & DATE	CHK	TOLERANCES UNLESS SPECIFIED		LEESON	ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN TJF 11/15/97	
				DEC.	INCHES				CHK
				.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	
				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. E
				DIST					

LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE FOR DIRECT CURRENT PERMANENT MAGNET MOTOR

Model No. <u>C145D17FK3A</u>	Catalog No. <u>128010.00</u>	
HP <u>2.000</u>	RPM <u>1750</u>	DC Volts <u>180.0</u>
F.F. <u>1.40</u>	Encl <u>TEFC</u>	Type <u>DF</u>
Max. Amb. <u>40.0 Deg C</u>	Insul. <u>H</u>	Frame <u>K145TC</u>
		N.P. FLA <u>9.50</u>
		S.F. <u>1.00</u>
		Duty <u>CONT</u>



Ra <u>0.5000</u> Ohms
La <u>10.80</u> mHenrys
Ja <u>18.13</u> LB-IN ²
Ke <u>107.2</u> V/KRPM

Kt <u>9.061</u> LB-IN/AMP
Imax <u>82.9</u> AMPS Allowed
FL Torque <u>72.00</u> LB-IN
FL EFF <u>78.80</u> %

Winding W- D6322-1 **Prepared by** V. Boehlen **Date** 05-02-2005