

PRODUCT INFORMATION PACKET



Model No: 128000.00
Catalog No: 128000.00
SCR Motor, 1.50 HP, 180 V, 1750 RPM, H145TC Frame, TEFC



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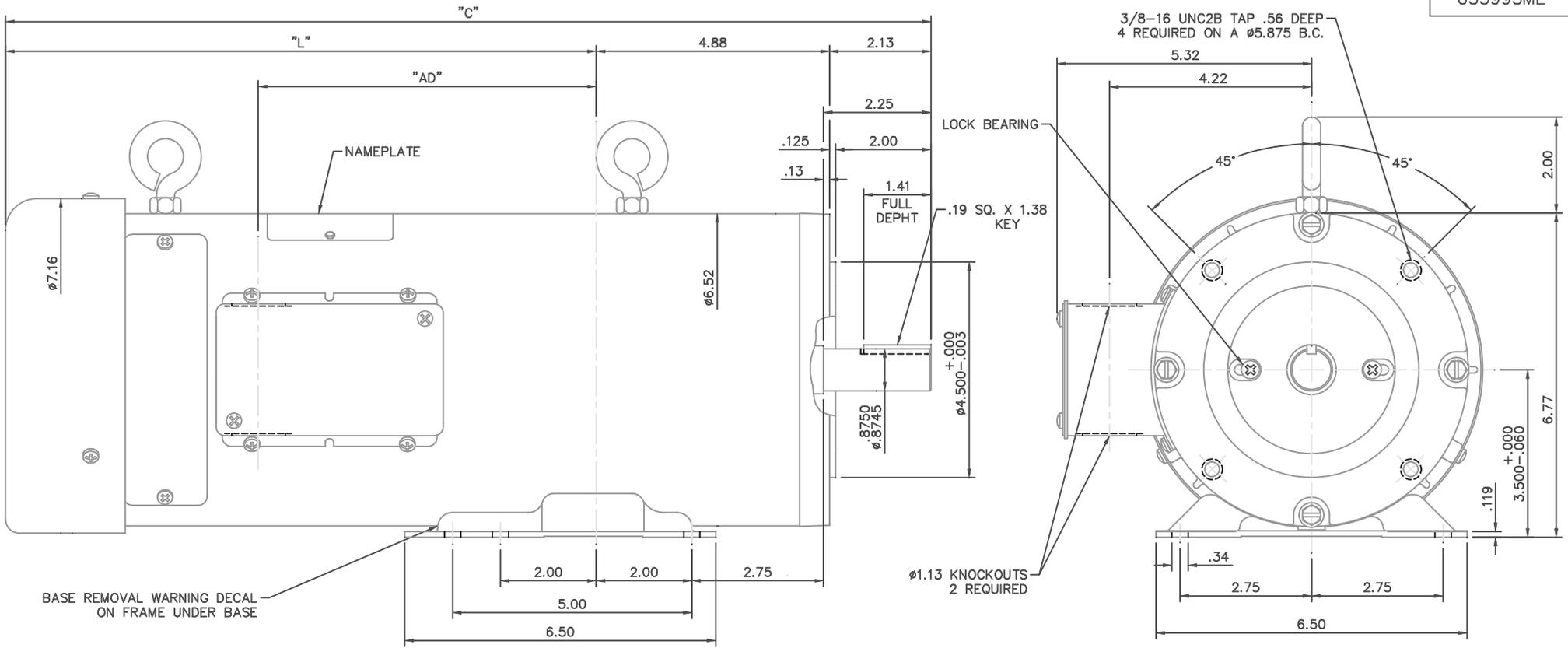
Nameplate Specifications

| | | | |
|----------------------------|------------------------------------|------------------------|----------------------|
| Output HP | 1.50 Hp | Output KW | 1.1 kW |
| Voltage | 180 V | Speed | 1750 rpm |
| Service Factor | 1.0 | Frame | H145TC |
| Enclosure | Totally Enclosed Fan Cooled | Thermal Protection | No Protection |
| Efficiency | 79.3 % | Ambient Temperature | 40 °C |
| Current | 7.5 A | Duty | Continuous |
| Insulation Class | H | 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 | 18.34 in | Frame Length | 13.63 in |
| Shaft Diameter | 0.875 in | Shaft Extension | 2.13 in |
| Torque | 54 LB-IN | | |
| Connection Drawing | 00531901 | Outline Drawing | 033993-H140 |

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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 | 06 | REDRAWN PER ECR 73353 EFF. IMMED. | CRK | 8/29/01 | CJK | DEC. | INCHES | | | | | |
| G140 | 17.84 | 10.84 | 5.56 | P140 | 21.34 | 14.34 | 9.06 | 05 | REM'D DRILLED AND TAPPED HOLE PER CN 99-821 | CJK | 6/15/99 | WMM | .XX | ±.1 | | | | | |
| F140 | 17.34 | 10.34 | 5.06 | N140 | 20.84 | 13.84 | 8.56 | | EFF. IMMED. | | | | .XX | ±.03 | | | | | |
| E140 | 16.84 | 9.84 | 4.56 | M140 | 20.34 | 13.34 | 8.06 | 04 | ADDED DRILL AND TAP HOLE PER ECR 55278 | MLS | 7/10/96 | | .XXX | ±.005 | | | | | |
| D140 | 16.34 | 9.34 | 4.06 | L140 | 19.84 | 12.84 | 7.56 | | EFF. IMMED. | | | | .XXXX | ±.0005 | | | | | |
| C140 | 15.84 | 8.84 | 3.56 | K140 | 19.34 | 12.34 | 7.06 | | | | | | CHK | ANG | ±7'30" | | | | |
| FRAME | "C" | "L" | "AD" | FRAME | "C" | "L" | "AD" | | | | | | RFP | | | | | | |

| | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--------------------------------|--------|-------------|---------------------|
| 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 | | | | | | | | | | TO TOLERANCES UNLESS SPECIFIED | | DRAWN | PG 9/12/91 |
| | | | | | | | | | | DEC. | | CHK | |
| | | | | | | | | | | XX | ±.03 | TITLE | OUTLINE - 56 FRAME |
| | | | | | | | | | | .XXX | ±.005 | | 140TC FACE AND BASE |
| | | | | | | | | | | .XXXX | ±.0005 | MAT'L | TEFC- PMDC MOTOR |
| | | | | | | | | | | ANG | ±7'30" | FINISH | |
| | | | | | | | | | | RFP | | CAD FILE | 033993ME |
| | | | | | | | | | | DIST | | SIZE | B |
| | | | | | | | | | | | | DRAWING NO. | 033993ME |
| | | | | | | | | | | | | REV. | 06 |



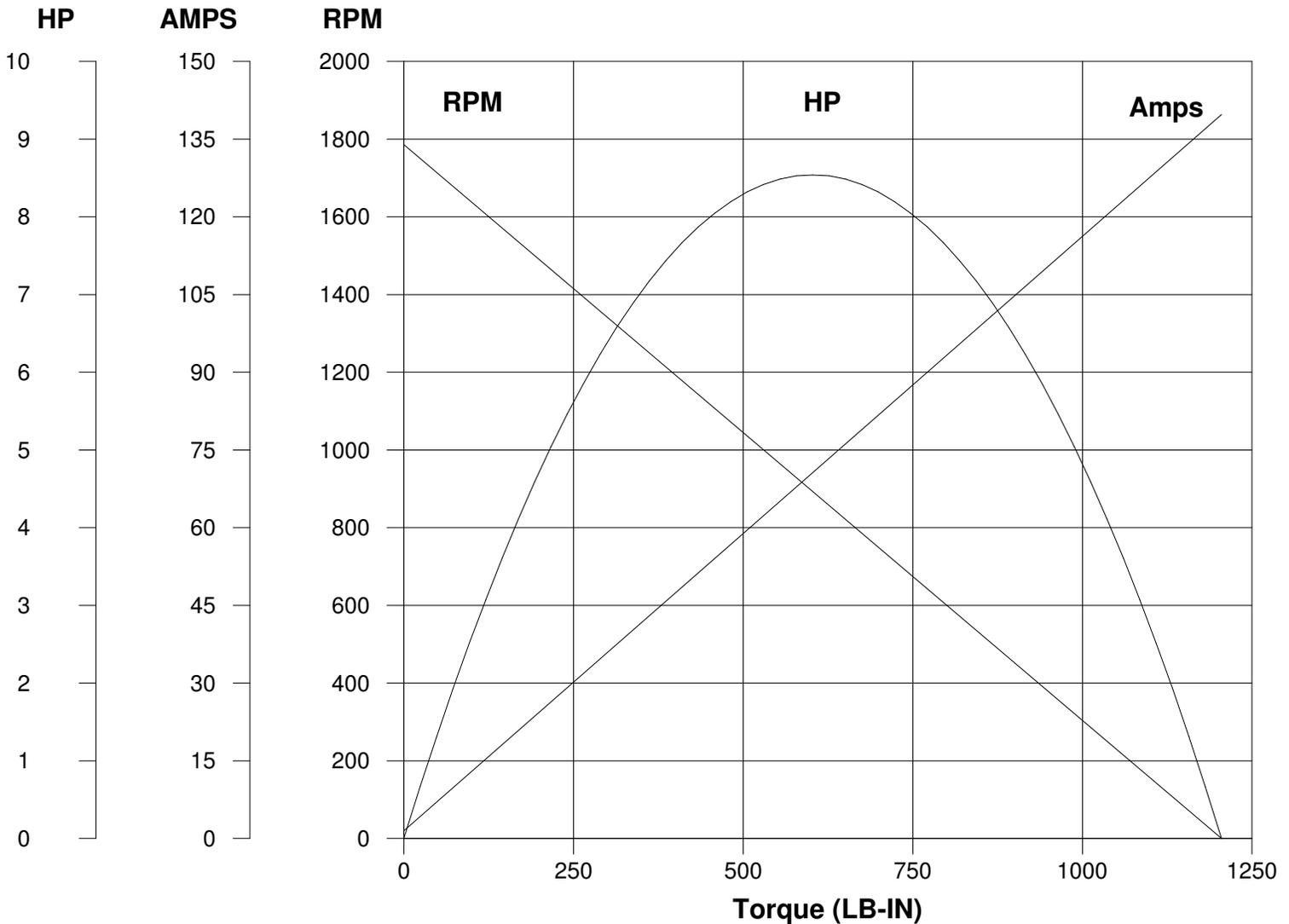
CONNECTIONS SHOWN FOR CCW ROTATION FACING LEAD END OF THE MOTOR
 TO REVERSE ROTATION INTERCHANGE LINE LEADS

| | | | | 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 | | |
| E | "MOTOR" WAS "ARMATURE", ECO-0163602 | IPG 3/14/19 | | .XX | ±.01 | | PMDC MOTOR | | |
| D | UPDATED TO MAKE IT GENERIC, ECO-0163547 | IPG 3/13/19 | | .XXX | ±.005 | | SCALE 1=2 | | |
| 01 | REDRAWN ON CAD. REVISED NOTES. | SJB 9/20/2005 | | .XXXX | ±.0005 | MAT'L. | REF | | |
| NO. | REVISION | BY & DATE | CHK | ANG | ±1/2" | FINISH | FMF | | |
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| | | | DIST | | | | A | 005319.01 | F |
| | | | | | | 4 of 5 | | | |

LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE FOR DIRECT CURRENT PERMANENT MAGNET MOTOR

Model No. C145D17FK2 **Catalog No.** 128000.00
HP 1.500 **RPM** 1750 **DC Volts** 180.0 **N.P. FLA** 7.50
F.F. 1.40 **Encl** TEFC **Type** DF **S.F.** 1.00
Max. Amb. 40.0 Deg C **Insul.** H **Frame** H145TC **Duty** Cont



Ra 0.6660 Ohms
La 12.20 mHenrys
Ja 22.98 LB-IN²
Ke 101.1 V/KRPM

Kt 8.542 LB-IN/AMP
Imax 71.0 AMPS Allowed
FL Torque 54.00 LB-IN
FL EFF 79.30 %

Winding W- D6323-1 **Prepared by** V. Boehlen **Date** 05-02-2005