

PRODUCT INFORMATION PACKET



Model No: C145C34DK3C

Catalog No: 121190.00

..2HP..3450RPM.145.DP.115/208-230V.1PH.60HZ.CONT.40C.1.15SF.RIGID.C145C34DK3C.....JM
PUMP.NOT.....

JM



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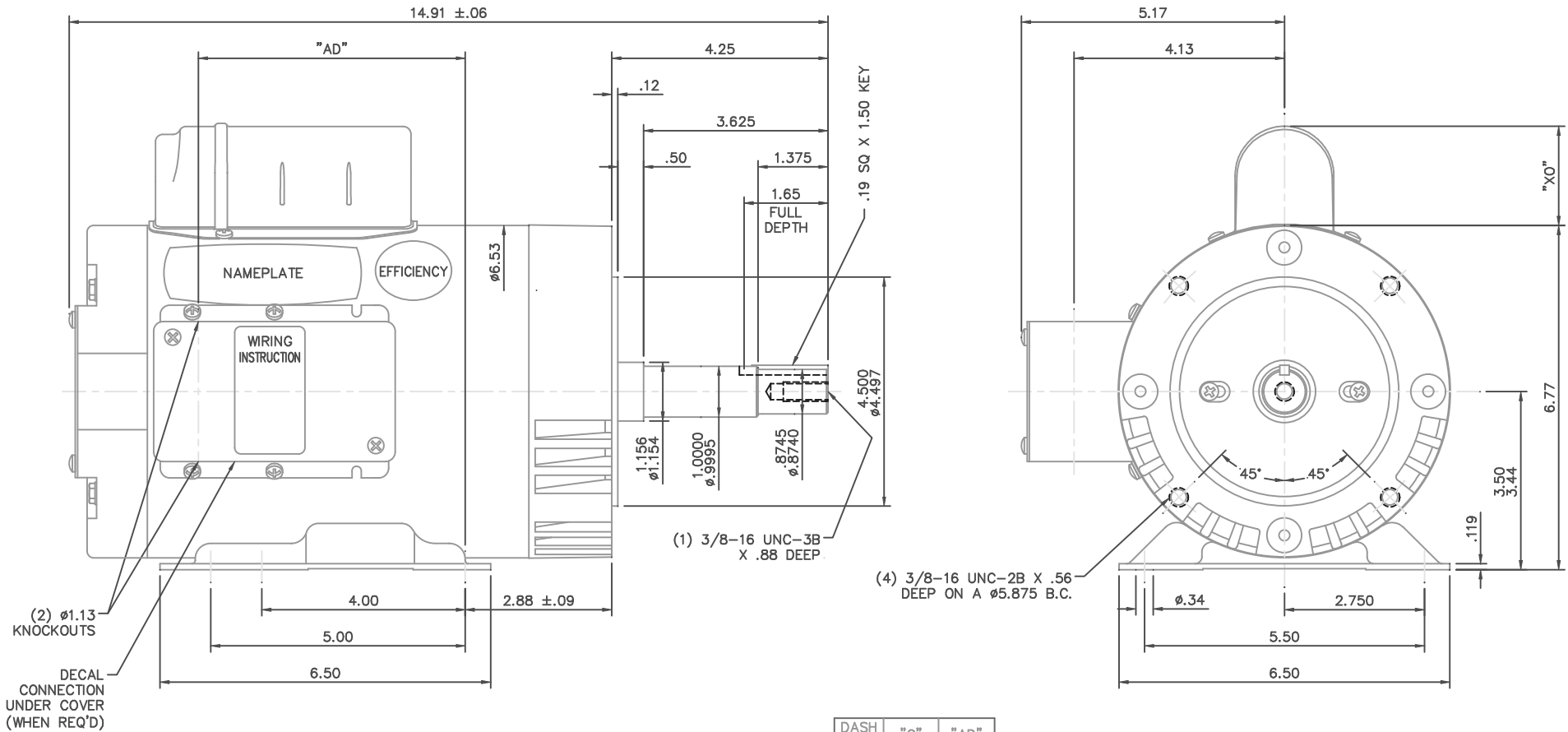
Nameplate Specifications

| | | | |
|----------------------------|-------------|------------------------|---------------|
| Output HP | 2 Hp | Output KW | 1.5 kW |
| Frequency | 60 Hz | Voltage | 115/208-230 V |
| Current | 21.0/10.5 A | Speed | 3450 rpm |
| Service Factor | 1.15 | Phase | 1 |
| Efficiency | 73 % | Duty | Continuous |
| Insulation Class | B | Design Code | L |
| KVA Code | H | Frame | 145JM |
| Enclosure | Drip Proof | Overload Protector | No |
| Ambient Temperature | 40 °C | Drive End Bearing Size | 6206 |
| Opp Drive End Bearing Size | 6203 | UL | Recognized |
| CSA | Y | CE | N |
| IP Code | 22 | | |

Technical Specifications

| | | | |
|-----------------------|-------------------------------|-----------------------|----------------------------|
| Electrical Type | Capacitor Start Induction Run | Starting Method | Across The Line |
| Poles | 2 | Rotation | Selective Counterclockwise |
| Mounting | Rigid base | Motor Orientation | HORIZONTAL |
| Drive End Bearing | BALL | Opp Drive End Bearing | BALL |
| Frame Material | Rolled Steel | Shaft Type | JM |
| Overall Length | 14.91 in | Frame Length | 7.50 in |
| Shaft Diameter | 0.875 in | Shaft Extension | 4.21 in |
| Assembly/Box Mounting | F1 ONLY | | |
| Outline Drawing | 028638-750B | Connection Diagram | 005005.01 |

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| DASH NO. | "C" | "AD" | CAP. DASH | "XO" |
|----------|-------|------|-----------|------|
| 650 | 13.91 | 4.25 | A | 1.48 |
| 700 | 14.41 | 4.75 | B | 1.95 |
| 750 | 14.91 | 5.25 | C | 2.19 |
| 800 | 15.41 | 5.75 | | |
| 850 | 15.91 | 6.25 | | |

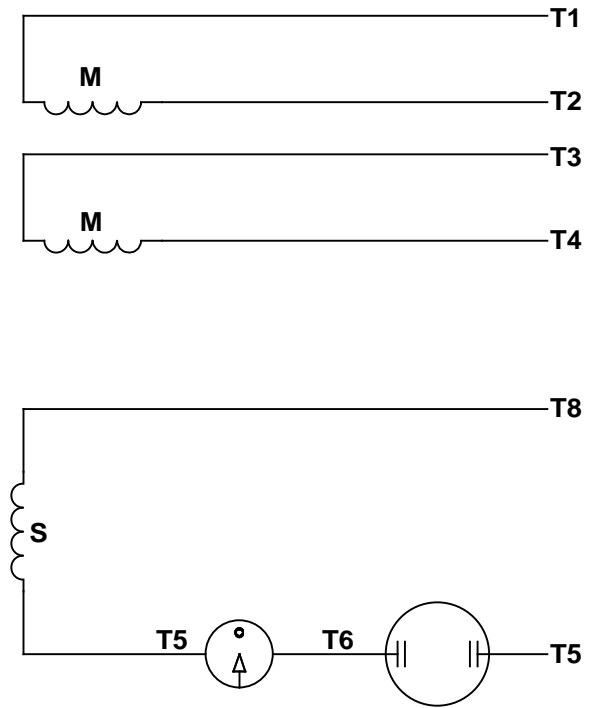
MAXIMUM FACE RUNOUT .004 T.I.R.
 MAXIMUM PILOT ECCENTRICITY .004 T.I.R.
 PERMISSIBLE SHAFT RUNOUT .002 T.I.R.

| NO. | | REVISION | BY & DATE | CHK | ANG | ±1/2" | FINISH | TOLERANCES UNLESS SPECIFIED | | ELECTRIC MOTORS GEARMOTORS AND DRIVES | DRAWN | RDW 11/9/04 | | | | | |
|---|--|----------|-----------|-----|-----|-------|--------|-----------------------------|---------|---|---|-------------|------------|-------------|--------|------|--|
| | | | | | | | .X | ±.1 | TITLE | | OUTLINE - 140JM FRAME DRIP PROOF - RIGID "C" | CHK | SW 11/9/04 | | | | |
| | | | | | | | .XX | ±.03 | MAT'L | | JM PUMP MOTOR | APPD | 034057 | | | | |
| | | | | | | | .XXX | ±.005 | | | | SCALE | 1=2 | | | | |
| | | | | | | | .XXXX | ±.0005 | | | REF | | | | | | |
| | | | | | | | | | | | FMF | | | | | | |
| | | | | | | | | | | | 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 | 11/9/04 | CAD FILE | 028638 | SIZE | B | DRAWING NO. | 028638 | REV. | |
| | | | | | | | | DIST | | | | | | | | | |

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.




LINE LEADS



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| | ROTATION FACING LEAD END | L1 | L2 | JOIN |
|-----------|--------------------------|------------|------------|------------|
| HIGH VOLT | C.C.W. | T1 | T4, T5 | T2, T3, T8 |
| | C.W. | T1 | T4, T8 | T2, T3, T5 |
| LOW VOLT | C.C.W. | T1, T3, T8 | T2, T4, T5 | ----- |
| | C.W. | T1, T3, T5 | T2, T4, T8 | ----- |

| | | | | | | | |
|------------------------|---|--------------|-----------------------------|--------|--------|---|----------------------|
| -- | REDRAWN IN SOLIDWORKS | VJB 02/16/11 | TOLERANCES UNLESS SPECIFIED | | |  ELECTRIC MOTORS GEARMOTORS AND DRIVES | DRAWN ADH 08/06/73 |
| 27 | UPDATED TO CURRENT STANDARDS | DBT 05/27/97 | DEC | INCHES | | | CHK |
| 26 | ADDED PAGE 32 (114787) & PAGE 33 (114788) | KAZ 12/20/95 | PG | .X | ±.1 | APPR JCW 03/09/79 | |
| 25 | ADDED PAGE 31 | KAZ 04/19/95 | DL | .XX | ±.01 | SCALE 1:1 | |
| 24 | ADDED PAGES 29 & 30 | KMM 03/30/95 | DL | .XXX | ±.005 | REF FIG 2-23 C4A | |
| 23 | ADDED PAGE 28 | KMM 01/27/95 | | .XXXX | ±.0005 | FMF MGI-2.4B | |
| NO | REVISION | BY & DATE | CHK | ANG | ±1/2° | MAT'L DECAL - 004012 | PAGE OF |
| THIRD ANGLE PROJECTION | | | RFP | PREV | | SIZE A | DRAWING NO 005005-01 |
| | | | NETWORK FILE NAME 00500501 | | | REV -- | |



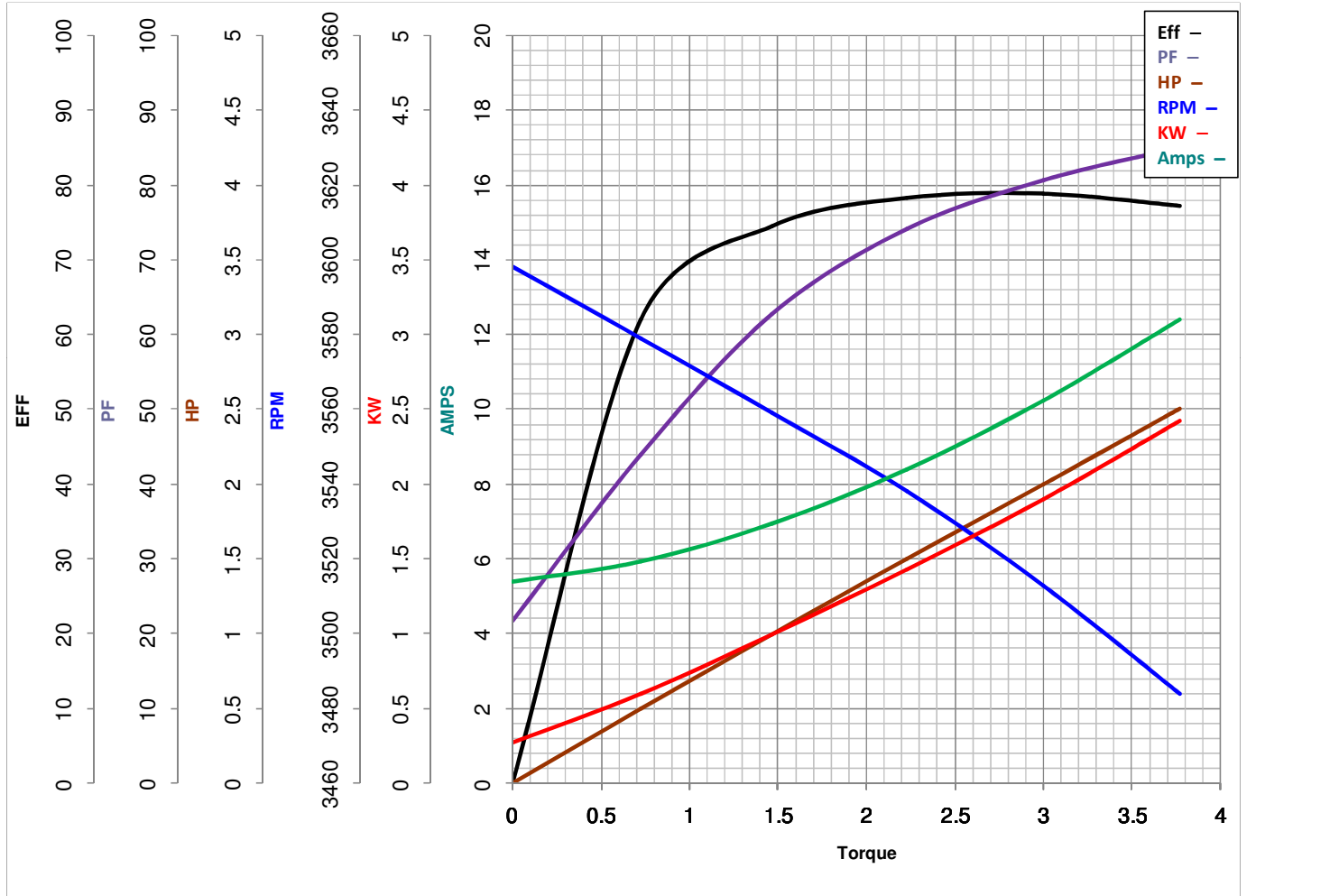
LEESON ELECTRIC CORPORATION
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 121190.00

Catalog No 121190.00

Curve at 230 Volts HP 2.00 PHASE 1
60 HZ
2 HP VOLTS 115/208-230

HZ 60 RPM 3450



| | | | | | |
|-----------|------------|-------|-----------|----------------|-------|
| FL TORQUE | <u>3</u> | Lb.Ft | FL AMPS | <u>21/10.5</u> | |
| BD TORQUE | <u>8.0</u> | Lb.Ft | PU TORQUE | <u>5.0</u> | Lb.Ft |
| LR TORQUE | <u>5.3</u> | Lb.Ft | LR AMPS | <u>64</u> | |
| WINDING | C632240-3 | | Date | 4/19/2018 | |