

# PRODUCT INFORMATION PACKET



Model No: A4C17DR1G

Catalog No: 100109.00

1/4HP..1725RPM.48.DP.115/208-230V.1PH.60HZ.CONT.AUTOMATIC.40C.1.35SF.RESILIENT BASE.

Open Drip Proof (ODP)



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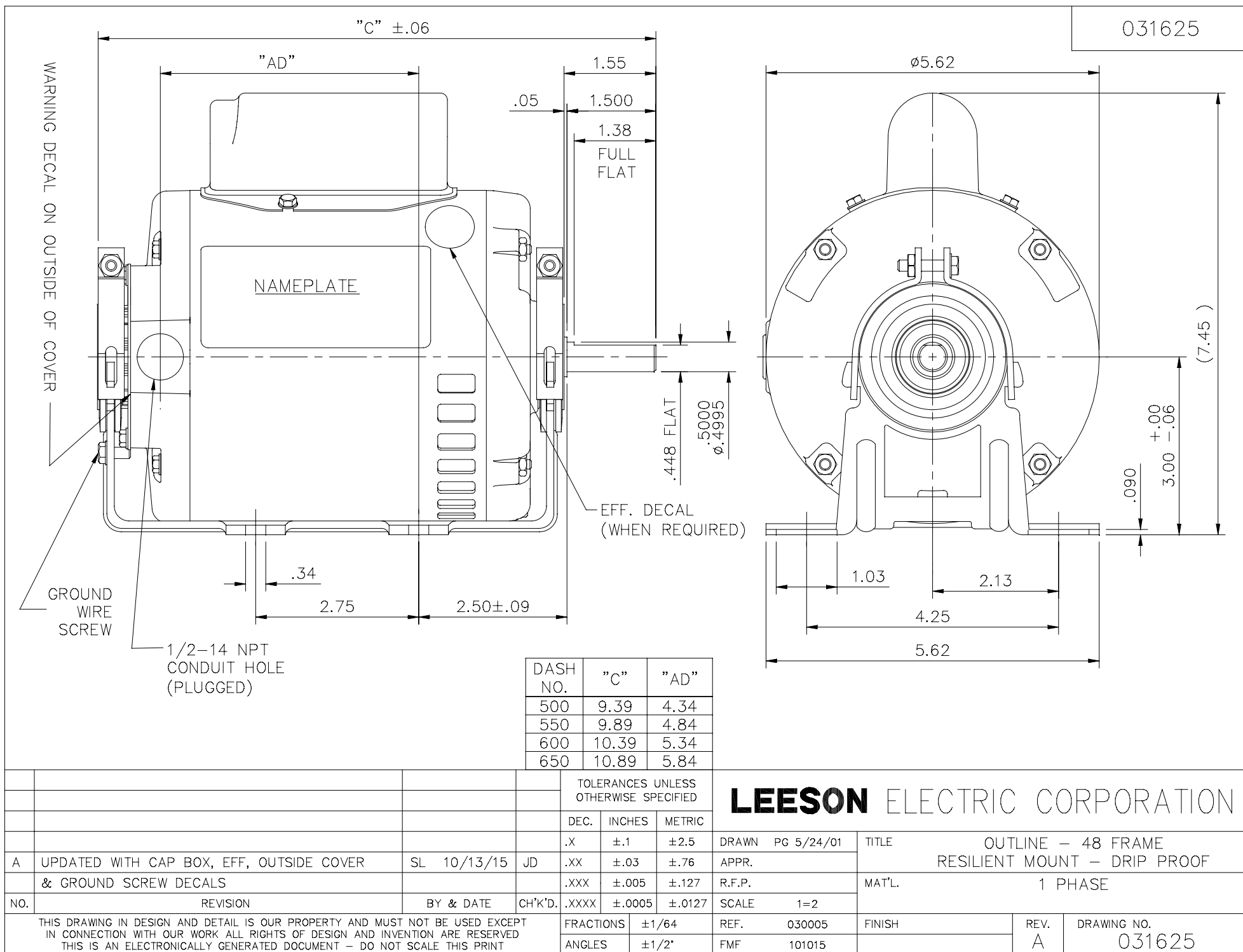


## Nameplate Specifications

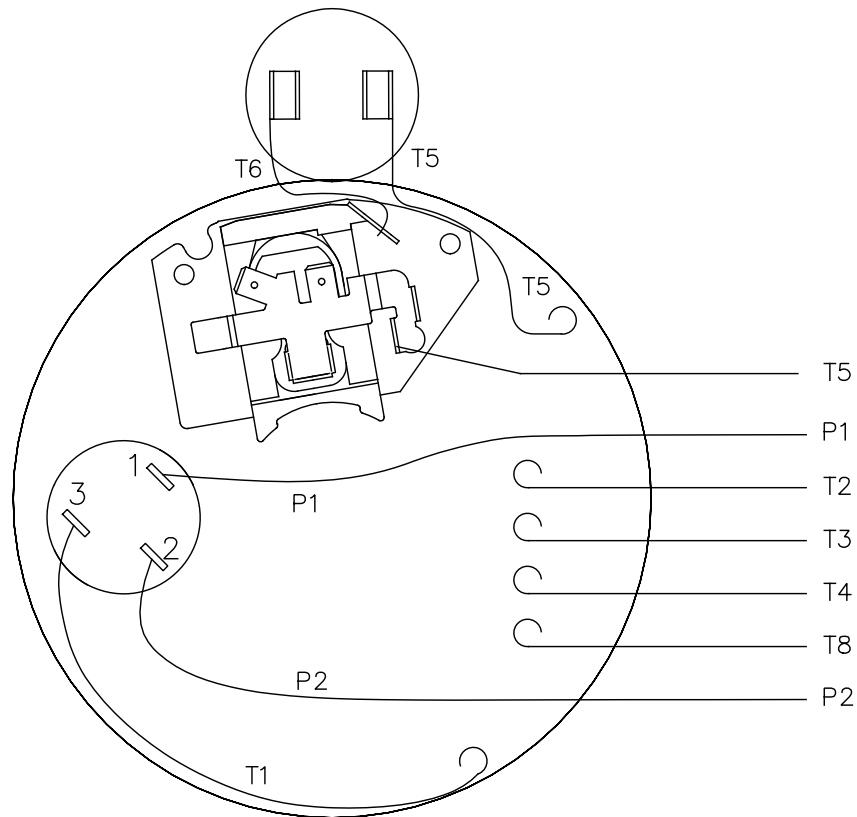
|                            |               |                        |               |
|----------------------------|---------------|------------------------|---------------|
| Output HP                  | 0.25 Hp       | Output KW              | 0.19 kW       |
| Frequency                  | 60 Hz         | Voltage                | 115/208-230 V |
| Current                    | 5.4/2.6-2.7 A | Speed                  | 1725 rpm      |
| Service Factor             | 1.35          | Phase                  | 1             |
| Efficiency                 | 59 %          | Duty                   | Continuous    |
| Insulation Class           | B             | Design Code            | N             |
| KVA Code                   | M             | Frame                  | 48            |
| Enclosure                  | Drip Proof    | Overload Protector     | Automatic     |
| Ambient Temperature        | 40 °C         | Drive End Bearing Size | 6203          |
| Opp Drive End Bearing Size | 6203          | UL                     | Recognized    |
| CSA                        | Y             | CE                     | N             |
| IP Code                    | 22            |                        |               |

## Technical Specifications

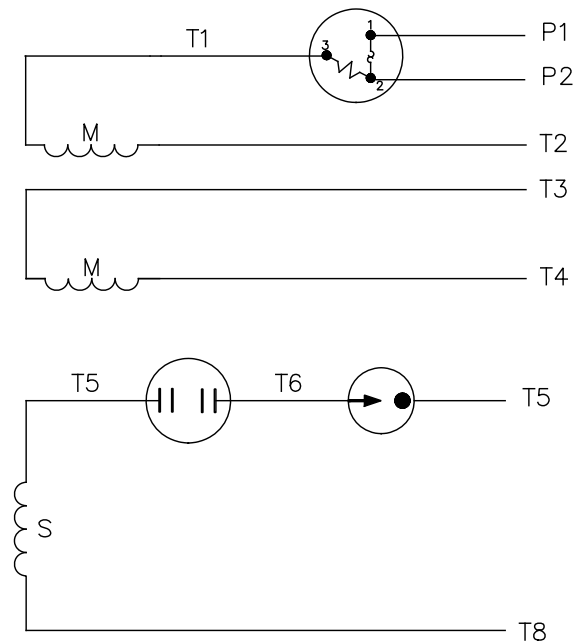
|                       |                               |                       |                            |
|-----------------------|-------------------------------|-----------------------|----------------------------|
| Electrical Type       | Capacitor Start Induction Run | Starting Method       | Across The Line            |
| Poles                 | 4                             | Rotation              | Selective Counterclockwise |
| Mounting              | Resilient Base                | Motor Orientation     | HORIZONTAL                 |
| Drive End Bearing     | BALL                          | Opp Drive End Bearing | BALL                       |
| Frame Material        | Rolled Steel                  | Shaft Type            | NEMA 48                    |
| Overall Length        | 9.89 in                       | Frame Length          | 5.50 in                    |
| Shaft Diameter        | 0.500 in                      | Shaft Extension       | 1.5 in                     |
| Assembly/Box Mounting | F1 ONLY                       |                       |                            |
| Outline Drawing       | 031625-550                    | Connection Diagram    | 005003.52                  |



VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



## LINE LEADS



|              | ROTATION<br>FACING<br>LEAD END | L1 | L2          | JOIN        | INSULATE<br>SEPARATELY |
|--------------|--------------------------------|----|-------------|-------------|------------------------|
| HIGH<br>VOLT | C.C.W.                         | P1 | T4<br>T5    | T2,T3<br>T8 | P2                     |
|              | C.W.                           | P1 | T4<br>T8    | T2,T3<br>T5 | P2                     |
| LOW<br>VOLT  | C.C.W.                         | P1 | T2,T4<br>T5 | P2,T3<br>T8 | --                     |
|              | C.W.                           | P1 | T2,T4<br>T8 | P2,T3<br>T5 | --                     |

|                                                                                                                                                                                                                                        |                                      |             |      |                                |                   |                                                                                                                  |  |           |                                     |  |            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------|------|--------------------------------|-------------------|------------------------------------------------------------------------------------------------------------------|--|-----------|-------------------------------------|--|------------|
|                                                                                                                                                                                                                                        |                                      |             |      | TOLERANCES<br>UNLESS SPECIFIED |                   |  Regal Beloit America, Inc. |  |           | DRAWN PG 6/8/01                     |  |            |
|                                                                                                                                                                                                                                        |                                      |             |      | DEC.                           | INCHES            |                                                                                                                  |  |           | CHK                                 |  |            |
|                                                                                                                                                                                                                                        |                                      |             |      | .X                             | ±.1               |                                                                                                                  |  |           | APPD                                |  |            |
|                                                                                                                                                                                                                                        |                                      |             |      | .XX                            | ±.01              |                                                                                                                  |  |           | SCALE 1=1                           |  |            |
| 02                                                                                                                                                                                                                                     | CHANGED CAMPANY LOGO ONLY            | AS 11/08/16 |      | .XXX                           | ±.005             | TITLE EXTERNAL WIRING DIAGRAM<br>TYPE "C" W/PROTECTOR                                                            |  |           | REF 005003-01                       |  |            |
| 01                                                                                                                                                                                                                                     | MOVED T5 TO "INSIDE" SWITCH TERMINAL | PG 8/2/01   | CD   | .XXXX                          | ±.0005            |                                                                                                                  |  |           | MAT'L. DUAL VOLTAGE – DUAL ROTATION |  | FMF 100002 |
| NO.                                                                                                                                                                                                                                    | REVISION                             | BY & DATE   | CHK  | ANG                            | ±1/2"             | FINISH DECAL – 004011                                                                                            |  |           | PREV                                |  |            |
| THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT<br>IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED<br>THIS IS AN ELECTRONICALLY GENERATED DOCUMENT – DO NOT SCALE THIS PRINT |                                      |             | RFP  |                                | CAD FILE 00500352 |                                                                                                                  |  | SIZE<br>A | DRAWING NO.<br>005003-52            |  | REV.<br>02 |
|                                                                                                                                                                                                                                        |                                      |             | DIST |                                |                   |                                                                                                                  |  |           |                                     |  |            |



# LEESON ELECTRIC CORPORATION

## TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 100109.00

Curve at

230

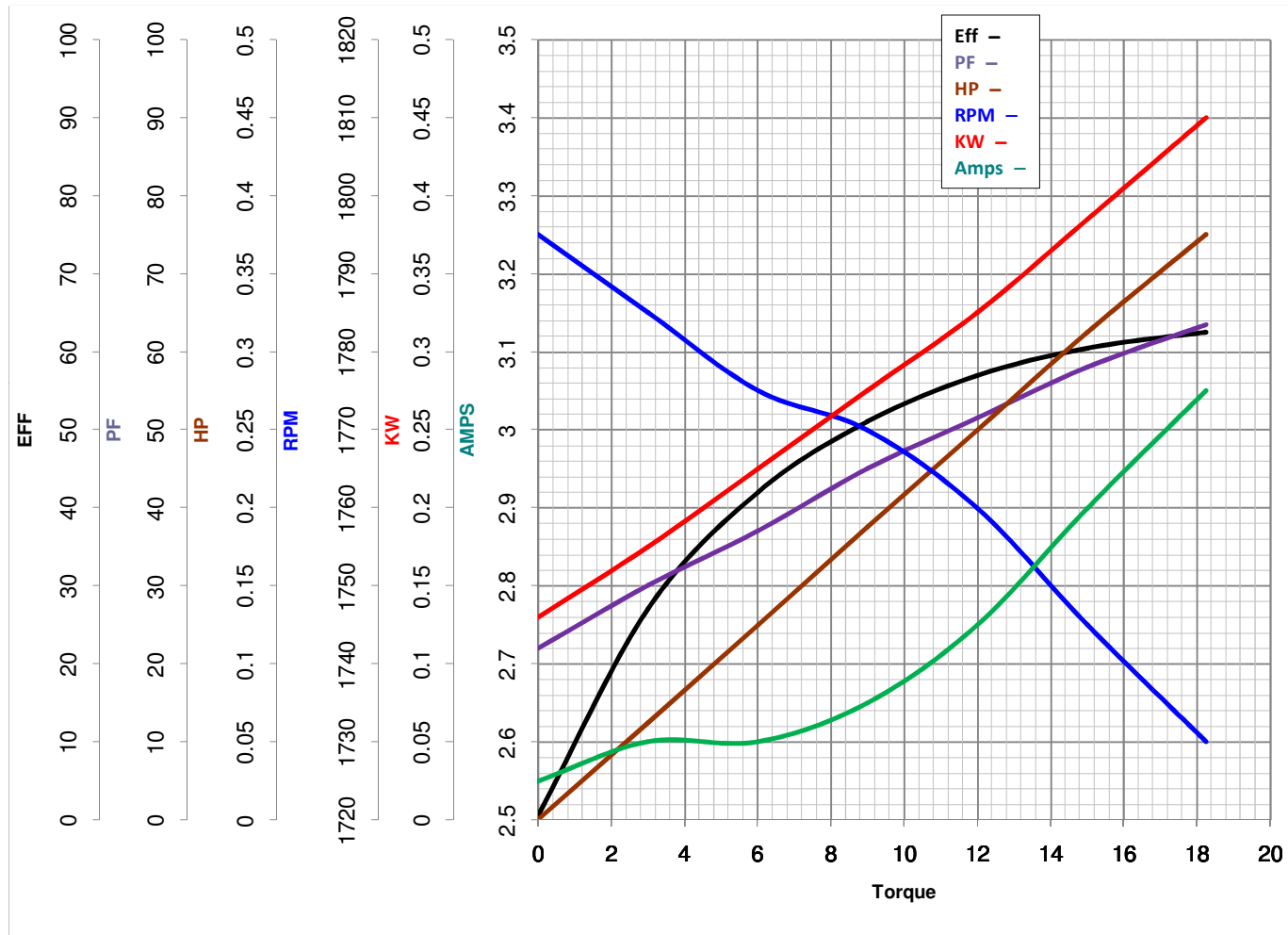
Volts

HP 0.26PHASE 160

HZ

0.25

HP

VOLTS 115/208-230Catalog No 100109.00HZ 60RPM 1725

Torque in Oz.Ft

FL TORQUE 12 Oz.FtBD TORQUE 38.6 Oz.FtLR TORQUE 43.2 Oz.Ft

WINDING CE484209-3

FL AMPS 5.4/2.6-2.7PU TORQUE 36.1 Oz.FtLR AMPS 12

Date 3/27/2018