

# PRODUCT INFORMATION PACKET



Model No: ORM1016

Catalog No: ORM1016

OEM Replacement Motor, 1/5-1/8 HP, 1 Ph, 60 Hz, 208-230 V, 1075 RPM, 2 Speed, 48 Frame, OAO



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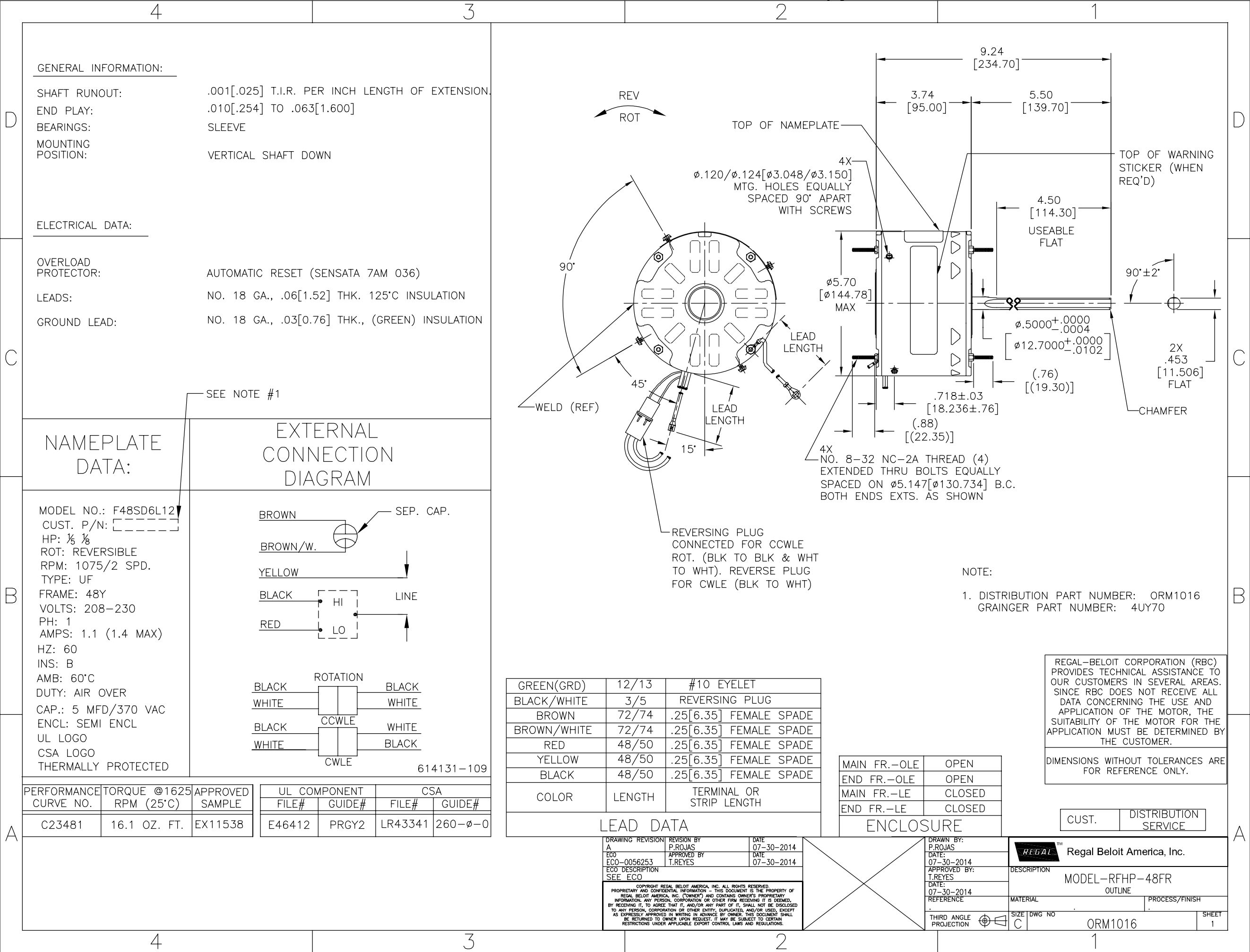
### Nameplate Specifications

|                    |            |                     |               |
|--------------------|------------|---------------------|---------------|
| Phase              | 1          | Output HP           | 1/5-1/8 Hp    |
| Output KW          | 0.15 kW    | Voltage             | 208-230 V     |
| Speed              | 1075 rpm   | Service Factor      | 1.0           |
| Frame              | 48Y        | Enclosure           | Open Air Over |
| Thermal Protection | Automatic  | Ambient Temperature | 60 °C         |
| Frequency          | 60 Hz      | Current             | 1.1 A         |
| Duty               | Air Over   | Insulation Class    | B             |
| UL                 | Recognized | CSA                 | Y             |
| CE                 | N          | Number of Speeds    | 2             |

### Technical Specifications

|                    |                           |                       |                     |
|--------------------|---------------------------|-----------------------|---------------------|
| Electrical Type    | Permanent Split Capacitor | Starting Method       | Across The Line     |
| Poles              | 6                         | Rotation              | Reversible          |
| Mounting           | Extended Studs            | Motor Orientation     | Vertical Shaft Down |
| Drive End Bearing  | Sleeve                    | Opp Drive End Bearing | Sleeve              |
| Frame Material     | Rolled Steel              | Shaft Type            | Double Flat         |
| Overall Length     | 10.12 in                  | Frame Length          | 3.13 in             |
| Shaft Diameter     | 0.500 in                  | Shaft Extension       | 5.5 in              |
| Connection Drawing | 614131-109                | Outline Drawing       | ORM1016-S01         |

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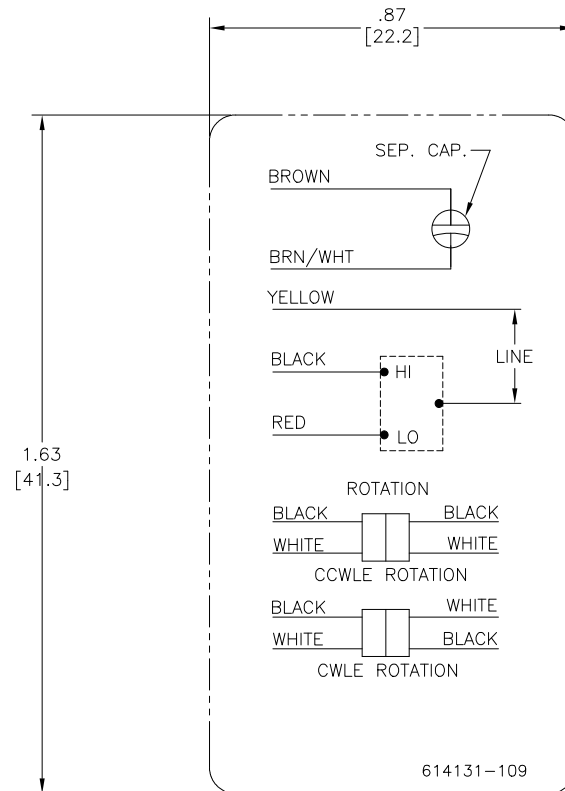
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NOTES:

1. FOR USE WITH 614129 NAMEPLATE BLANK
2. ———— INDICATES DIMENSION LIMITS
3. DIE TO BE MADE FROM MASTER SUPPLIED BY A. O. SMITH CORPORATION
4. DIE MUST PRODUCE A LEGIBLE IMPRESSION.

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------|--------------------|---------------------------------------------------------------|------------|-----------------|----------------|------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| DRAWING REVISION<br>C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | REVISION BY<br>J. RUPERT | DATE<br>08-24-2021 | TOLERANCES UNLESS OTHERWISE SPECIFIED                         |            | DRAWN BY:<br>CZ |                |  Regal Beloit America, Inc. |                                       |
| ECO<br>NMR-0210151                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | APPROVED BY<br>J. RUPERT | DATE<br>08-24-2021 | DEC.                                                          | INCH       | mm              | ANGLE          |                                                                                                                  |                                       |
| ECO DESCRIPTION<br>REVISED FOR UP ISSUE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                          |                    | .X                                                            | ±0.1       | [±2.5]          | ±0.5°          | APPROVED BY:                                                                                                     | DESCRIPTION<br>CONN DIAGRAM-NAMEPLATE |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                          |                    | .XXX                                                          | ±0.005     | [±0.127]        |                | REFERENCE                                                                                                        |                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                          |                    | .XXXX                                                         | ±0.0005    | [±0.0127]       |                | MATERIAL                                                                                                         |                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                          |                    | REMOVE BURRS & BREAK SHARP EDGES .003/.015 [0.076/.381] X 45° |            |                 | PROCESS/FINISH |                                                                                                                  |                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                          |                    | CORNER FILLETS R.02 [51]                                      |            |                 | SIZE DWG NO    |                                                                                                                  |                                       |
| MACHINED SURFACES .125 INCH [3.175] mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                          |                    | THIRD ANGLE PROJECTION                                        | 614131-109 |                 | SHEET 1        |                                                                                                                  |                                       |

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