

# PRODUCT INFORMATION PACKET



Model No: BLR6406V1

Catalog No: BLR6406V1

Fan and Blower Motor, 1/10 HP, 1 Ph, 60 Hz, 115 V, 1050 RPM, 1 Speed, 42 Frame, OAO



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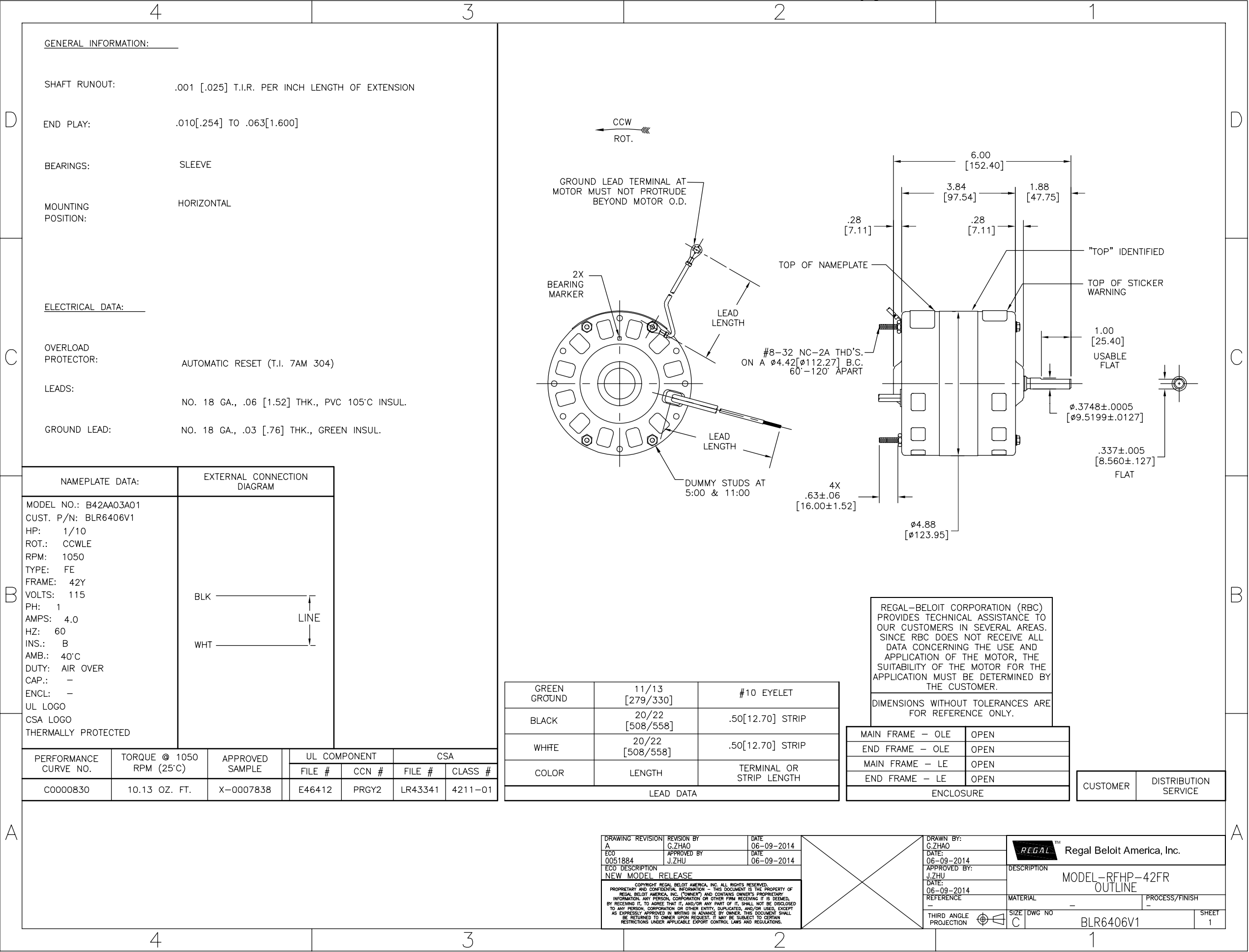
### Nameplate Specifications

|                    |            |                     |               |
|--------------------|------------|---------------------|---------------|
| Output HP          | 1/10 Hp    | Output KW           | 0.07 kW       |
| Frequency          | 60 Hz      | Voltage             | 115 V         |
| Current            | 4.0 A      | Speed               | 1050 rpm      |
| Service Factor     | 1          | Phase               | 1             |
| Duty               | Air Over   | Insulation Class    | B             |
| Frame              | 42Y        | Enclosure           | Open Air Over |
| Thermal Protection | Automatic  | Ambient Temperature | 40 °C         |
| UL                 | Recognized | CSA                 | N             |
| CE                 | N          | Number of Speeds    | 1             |

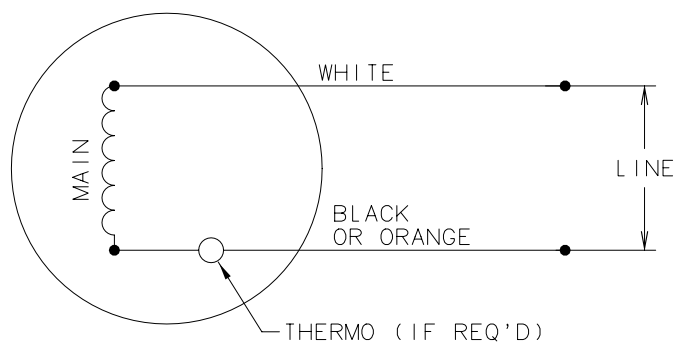
### Technical Specifications

|                    |                |                       |                           |
|--------------------|----------------|-----------------------|---------------------------|
| Electrical Type    | Shaded Pole    | Starting Method       | Across The Line           |
| Poles              | 6              | Rotation              | Counterclockwise Lead End |
| Mounting           | Extended Studs | Motor Orientation     | Horizontal                |
| Drive End Bearing  | Sleeve         | Opp Drive End Bearing | Sleeve                    |
| Frame Material     | Rolled Steel   | Shaft Type            | Flat                      |
| Overall Length     | 6.35 in        | Shaft Diameter        | 0.375 in                  |
| Shaft Extension    | 1.9 in         |                       |                           |
| Connection Drawing | 263B331F01     | Outline Drawing       | BLR6406V1-S01             |

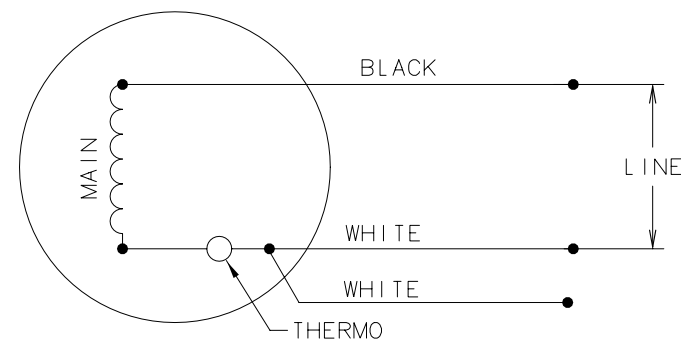
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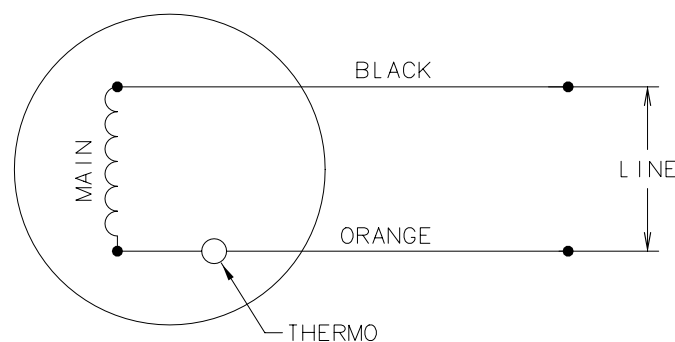
263B331



SINGLE SPEED, FIG.1



SINGLE SPEED, FIG.2



SINGLE SPEED, FIG.3

QUALITY CONTROL NOTE:  
TO CHECK THE WDGS. FOR OPENS, VERIFY  
THE CONTINUITY AS FOLLOWS:

FIG.1--BETWEEN THE WHITE AND BLACK (OR ORANGE) LEADS

FIG.2--BETWEEN THE WHITE & BLACK LEADS

FIG.3--BETWEEN THE BLACK & ORANGE LEADS

| DATE | CHANGED FROM | APPROVED<br>ENG DRF | NOTICE | DATE     | CHANGED FROM   | APPROVED<br>ENG DRF | NOTICE  | GEOMETRIC CHARACTERISTICS & SYMBOLS                                                                                                                                                                                                                                   | UNLESS OTHERWISE SPECIFIED<br>DIMENSION TOLERANCES<br>ARE AS FOLLOWS                                                                                                                                                                                                       | MATERIAL | DRAWN               | SMITH<br>03/10/69 | <div><div>A.O. SMITH</div><div>A DIVISION OF A.O. SMITH<br/>CORPORATION</div><div>ELECTRICAL PRODUCTS<br/>COMPANY</div><div>TIPP CITY, OHIO</div><div>COPYRIGHT 1995</div><div></div></div> |               |                                                                                                   |   |
|------|--------------|---------------------|--------|----------|----------------|---------------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------------------------------------------------------------------------------------|---|
|      |              |                     |        | 07/09/03 | REDRAWN TO CAD | KACKAG              | 0343946 | □ FLATNESS<br>— STRAIGHTNESS<br>∠ ANGULARITY<br>⊥ PERPENDICULARITY (SQUARENESS)<br>// PARALLELISM<br>○ ROUNDNESS (CIRCULARITY)<br>⌀ CYLINDRICITY<br>△ PROFILE OF ANY SURFACE<br>▽ PROFILE OF ANY LINE<br>↗ RUNOUT<br>⊕ TRUE POSITION<br>◎ CONCENTRICITY<br>= SYMMETRY | .X .XX .XXX<br>.02 ±.005<br>METRIC ±.5 ±.13<br>ANGLES ±.50 DEG<br>REMOVE BURRS AND BREAK<br>SHARP EDGES .003-.015<br>CORNER FILLETS TO .020<br>MACHINE SURFACES 125 ✓                                                                                                      | —        | APPROVED            | BATH<br>03/17/69  |                                                                                                                                                                                                                                                                                  | DESCRIPTION   |                                                                                                   |   |
|      |              |                     |        |          |                |                     |         |                                                                                                                                                                                                                                                                       | CONFIDENTIAL: THIS DRAWING AND ITS INFORMATION ARE<br>THE EXCLUSIVE AND CONFIDENTIAL PROPERTY OF<br>A.O. SMITH CORP. AND ARE NOT TO BE DISCLOSED,<br>DUPLICATED, DISTRIBUTED OR OTHERWISE USED WITHOUT<br>THE WRITTEN CONSENT OF A.O. SMITH CORP.<br>- ALL RIGHTS RESERVED | PROCESS  | REFERENCE           | —                 |                                                                                                                                                                                                                                                                                  | CONN. DIAGRAM |                                                                                                   |   |
|      |              |                     |        |          |                |                     |         |                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                            |          | APPLICATION         | —                 |                                                                                                                                                                                                                                                                                  | SIZE          |  PART NUMBER |   |
|      |              |                     |        |          |                |                     |         |                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                            |          | USER/FILER42/CONEXT | SCALE             |                                                                                                                                                                                                                                                                                  | —             | NOTICE                                                                                            | — |