

# PRODUCT INFORMATION PACKET

Model No: 048A11O1352  
Catalog No: X020  
1/2,1075,OPAO,48Y,1/60/277  
Direct Drive



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**Nameplate Specifications**

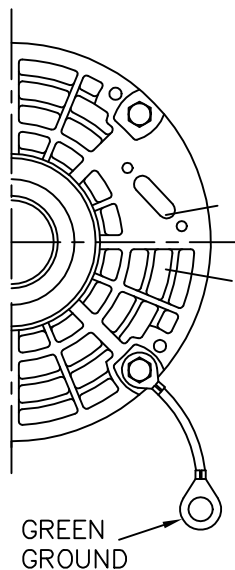
|                            |                      |                        |                                  |
|----------------------------|----------------------|------------------------|----------------------------------|
| Output HP                  | <b>0.50 Hp</b>       | Output KW              | <b>0.37 kW</b>                   |
| Frequency                  | <b>60 Hz</b>         | Voltage                | <b>277 V</b>                     |
| Current                    | <b>3.6 A</b>         | Speed                  | <b>1075 rpm</b>                  |
| Service Factor             | <b>1</b>             | Phase                  | <b>1</b>                         |
| Efficiency                 | <b>69 %</b>          | Duty                   | <b>Continuous</b>                |
| Insulation Class           | <b>B</b>             | Design Code            | <b>NO DESIGN CODE</b>            |
| KVA Code                   | <b>D</b>             | Frame                  | <b>48Y</b>                       |
| Enclosure                  | <b>Open Air Over</b> | Overload Protector     | <b>Automatic Lock Rotor Only</b> |
| Ambient Temperature        | <b>40 °C</b>         | Drive End Bearing Size | <b>6203</b>                      |
| Opp Drive End Bearing Size | <b>6203</b>          | UL                     | <b>Recognized</b>                |
| CSA                        | <b>Y</b>             | CE                     | <b>N</b>                         |
| IP Code                    | <b>10</b>            |                        |                                  |

**Technical Specifications**

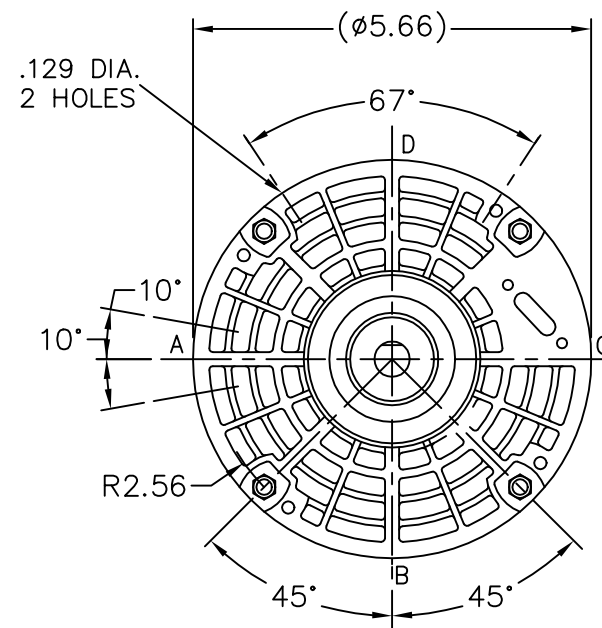
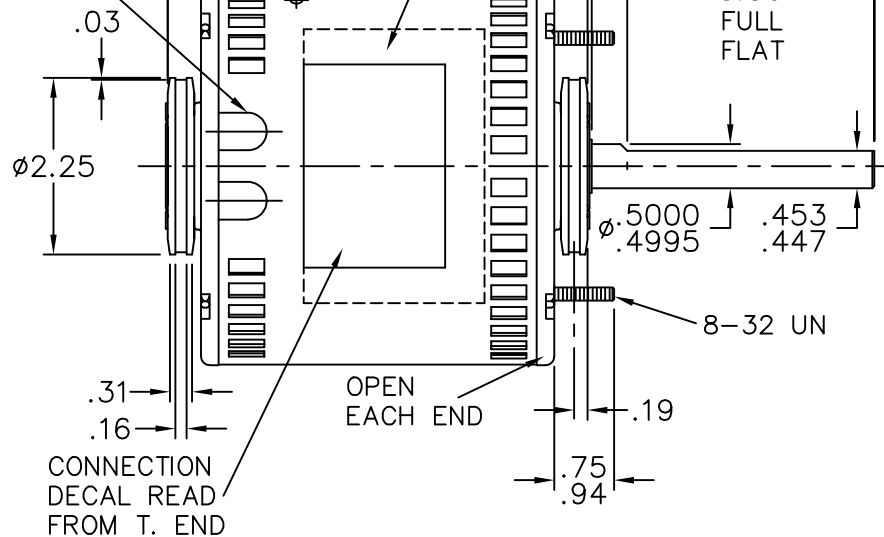
|                       |                                        |                       |                                   |
|-----------------------|----------------------------------------|-----------------------|-----------------------------------|
| Electrical Type       | <b>Permanent Split Capacitor</b>       | Starting Method       | <b>Across The Line</b>            |
| Poles                 | <b>6</b>                               | Rotation              | <b>Selective Counterclockwise</b> |
| Mounting              | <b>Resilient Ring - Extended Studs</b> | Motor Orientation     | <b>Horizontal</b>                 |
| Drive End Bearing     | <b>Ball</b>                            | Opp Drive End Bearing | <b>Ball</b>                       |
| Frame Material        | <b>Rolled Steel</b>                    | Shaft Type            | <b>Single Special Extension</b>   |
| Overall Length        | <b>10.50 in</b>                        | Frame Length          | <b>5.00 in</b>                    |
| Shaft Diameter        | <b>0.500 in</b>                        | Shaft Extension       | <b>4.06 in</b>                    |
| Assembly/Box Mounting | <b>F1 Only</b>                         |                       |                                   |
| Outline Drawing       | <b>A-SS403608-500</b>                  | Connection Diagram    | <b>6906493</b>                    |

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TERM. END



LEADS & BUSHINGS



| DASH | FR. | C     | A    |
|------|-----|-------|------|
| 400  | 48Y | 10.00 | 5.00 |
| 475  | 48Y | 10.25 | 5.25 |
| 500  | 48Y | 10.50 | 5.50 |
| 525  | 48Y | 10.75 | 5.75 |

10/1/2008  
10/1/2008  
10/20/2008

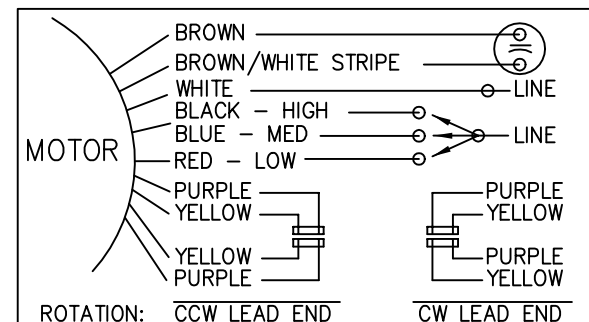
LEAD DESCRIPTION:

1 WHITE, 1 BLACK, 1 BLUE, & 1 RED LEAD WITH .50 BARE WIRE STRIP. 30.00" LONG.

2 BROWN LEADS WITH .25 FLAG-TYPE QUICK CONNECTS, 30.00" LONG. BROWN/WHITE MARKED LEAD IS COMMON TO WHITE.

REVERSING LEADS ARE MOLDED INTO MATING PULL-APART PLUGS. 1 YELLOW & 1 PURPLE LEAD PER PLUG. 5.00" LONG.

GREEN LEAD WITH TERM. FOR #10 SCREW 12.00" LONG.



ROTATION: CCW LEAD END

CW LEAD END

| NO. | REVISION                    | BY & DATE     | CHK | ANG   | TOLERANCES UNLESS SPECIFIED |        |
|-----|-----------------------------|---------------|-----|-------|-----------------------------|--------|
|     |                             |               |     |       | DEC.                        | INCHES |
|     |                             |               |     |       | .X                          | ±.1    |
|     |                             |               |     |       | .XX                         | ±.03   |
| 02  | FEW MORE DASH VALUES ADDED. | SP 7/7/2008   | NB  | .XXX  | ±.005                       |        |
| 01  | DASH VALUE ADDED.           | SP 05-20-2008 | NB  | .XXXX | ±.0005                      |        |
|     |                             |               |     |       | ±7'30"                      |        |

**MARATHON ELECTRIC**

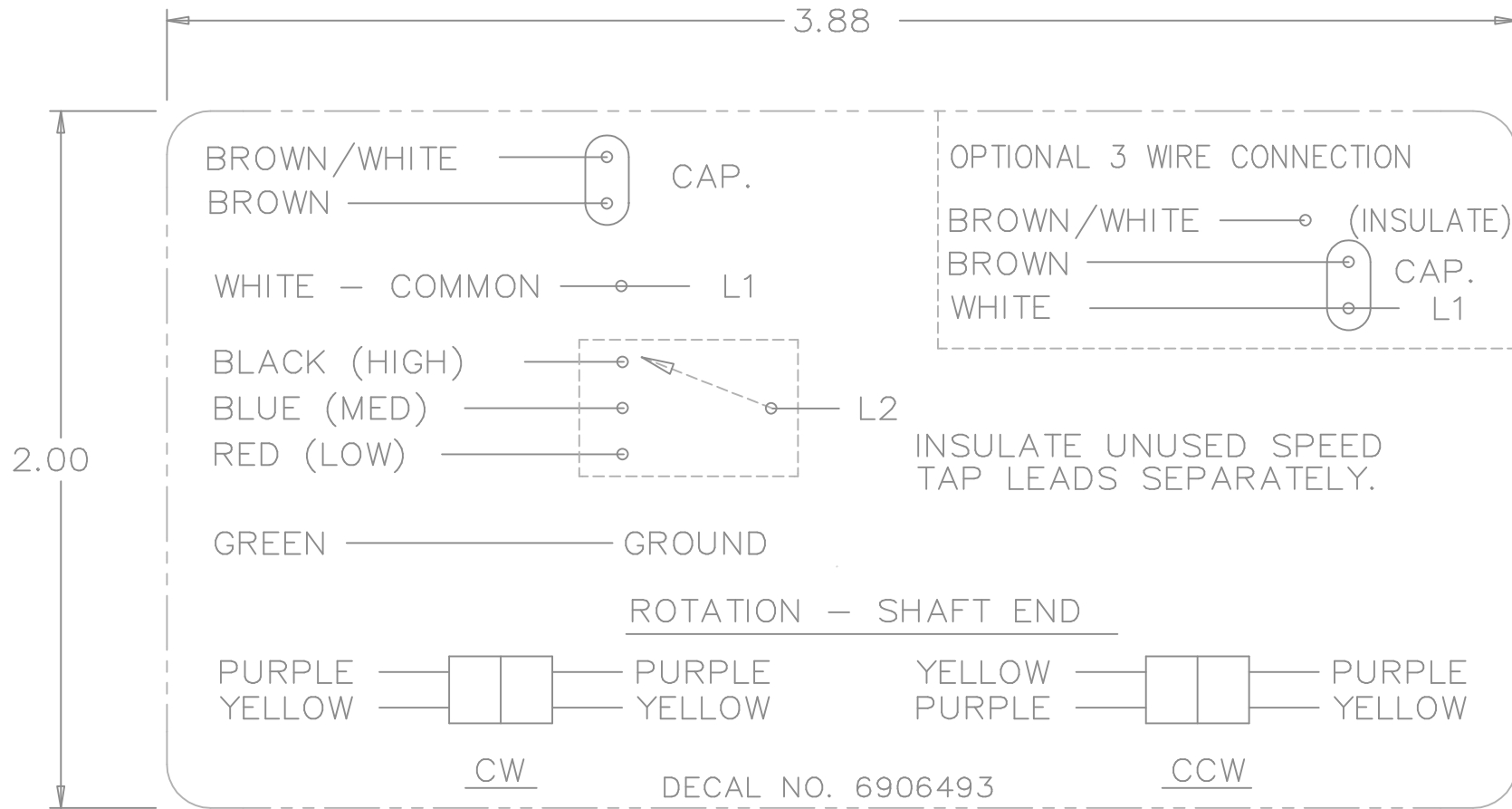
TITLE OUTLINE

MAT'L.

FINISH

|                     |
|---------------------|
| DRAWN NB 05-15-2007 |
| CHK VL 05-20-2007   |
| APPD VL 05-20-2007  |
| SCALE 3=8           |
| REF SS75119         |
| FMF MU79124         |
| PREV                |

|                |                   |        |                      |         |         |
|----------------|-------------------|--------|----------------------|---------|---------|
| RFP 05-20-2007 | CAD FILE ss403608 | SIZE A | DRAWING NO. SS403608 | PAGE OF | REV. 02 |
|----------------|-------------------|--------|----------------------|---------|---------|



|                                                                                                                                                                                                                                  |                                           |                |     | TOLERANCES UNLESS SPECIFIED |                  | REGAL-BELOIT <i>Motor Technologies</i> | DRAWN MRB 04-16-1998 |             |            |    |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------|-----|-----------------------------|------------------|----------------------------------------|----------------------|-------------|------------|----|------|
|                                                                                                                                                                                                                                  |                                           |                |     | DEC.                        | INCHES           |                                        | CHK                  | ML          | 04-22-1998 |    |      |
|                                                                                                                                                                                                                                  |                                           |                |     | .X                          | ±.1              |                                        | APPD                 | GK          | 04-22-1998 |    |      |
| 3                                                                                                                                                                                                                                | REMOVED 'MARATHON ELECTRIC' CN 35106      | DRS 05-01-2002 | TOM | .XX                         | ±                | TITLE CONNECTION DECAL                 | SCALE                | 1=1         |            |    |      |
| 2                                                                                                                                                                                                                                | PART NAME WAS CONNECTION DIAGRAM CN 25669 | MRB 04-25-1998 |     | .XXX                        | ±.005            |                                        | REF                  |             |            |    |      |
| 1                                                                                                                                                                                                                                | NEW DRAWING CN 25669                      | MRB 04-22-1998 |     | .XXXX                       | ±.0005           | MAT'L.                                 | FMF                  |             |            |    |      |
| NO.                                                                                                                                                                                                                              | REVISION                                  | BY & DATE      | CHK | ANG                         | ±                | FINISH                                 | PREV                 |             |            |    |      |
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|                                                                                                                                                                                                                                  |                                           |                |     | DIST                        | WP               |                                        | A                    | 6906493     |            |    | 3    |



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