

PRODUCT INFORMATION PACKET

Model No: 048A11O2022
Catalog No: X061
1/4,1075,OPAO,48Y,1/60/115
Direct Drive



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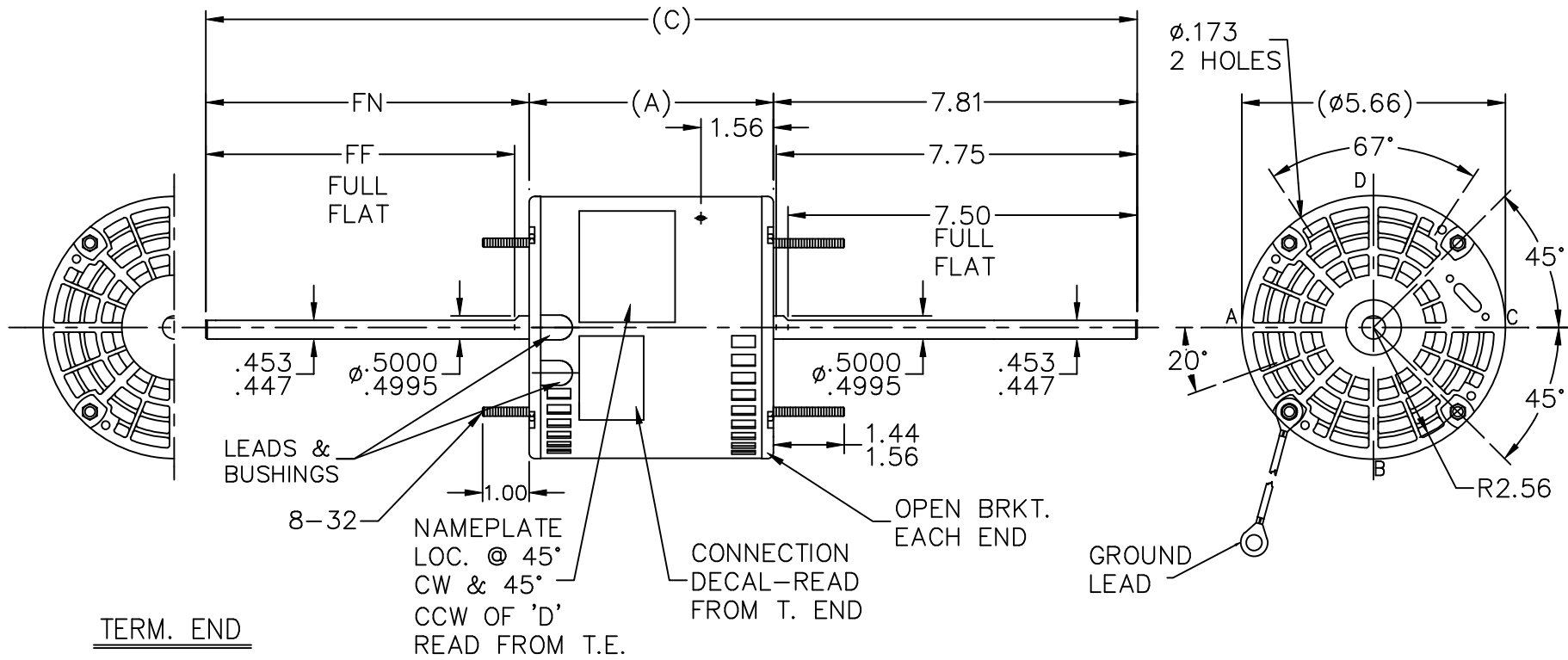
Nameplate Specifications

| | | | |
|----------------------------|----------------------|------------------------|-----------------------------|
| Output HP | 0.25 Hp | Output KW | 0.19 kW |
| Frequency | 60 Hz | Voltage | 115 V |
| Current | 4.8 A | Speed | 1075 rpm |
| Service Factor | 1 | Phase | 1 |
| Efficiency | 52.8 % | Duty | Continuous |
| Insulation Class | B | Design Code | NO DESIGN CODE |
| KVA Code | D | Frame | 48Y |
| Enclosure | Open Air Over | Overload Protector | Auto Lock Rotor Only |
| Ambient Temperature | 40 °C | Drive End Bearing Size | 6203 |
| Opp Drive End Bearing Size | 6203 | UL | Recognized |
| CSA | Y | CE | N |
| IP Code | 10 | | |

Technical Specifications

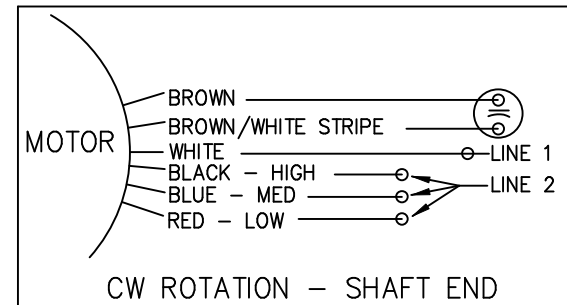
| | | | |
|-----------------------|----------------------------------|-----------------------|-------------------------------------|
| Electrical Type | Permanent Split Capacitor | Starting Method | Across The Line |
| Poles | 6 | Rotation | Fixed Counterclockwise |
| Mounting | Round - Extended Studs | Motor Orientation | Horizontal |
| Drive End Bearing | Ball | Opp Drive End Bearing | Ball |
| Frame Material | Rolled Steel | Shaft Type | Special Extension Both Sides |
| Overall Length | 20 in | Frame Length | 3.75 in |
| Shaft Diameter | 0.500 in | Shaft Extension | 7.81/7.94 in |
| Assembly/Box Mounting | F1 Only | | |
| Outline Drawing | A-SS403669-375 | Connection Diagram | 6906495 |

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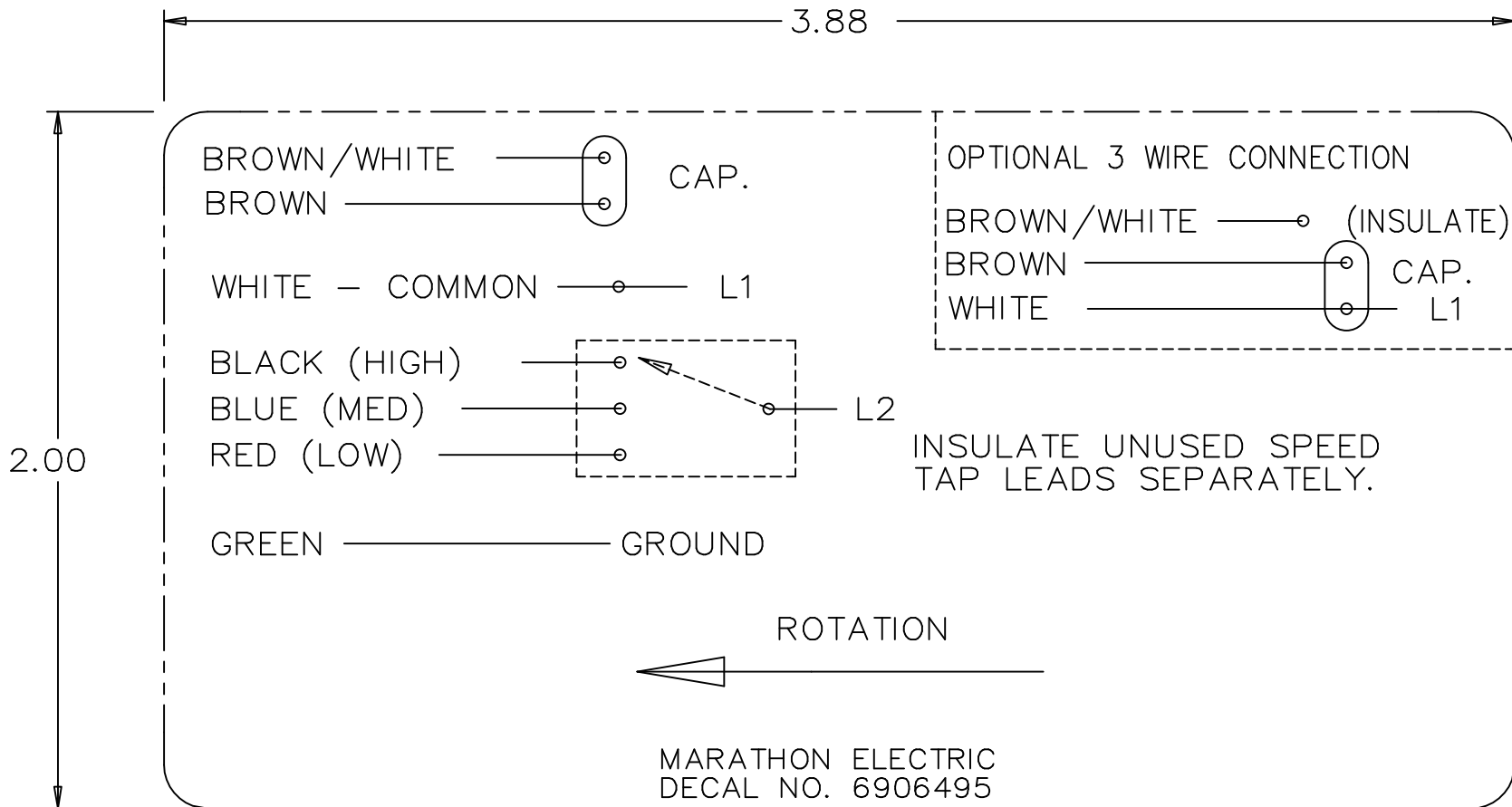


| DASH | FR. | C | A | FN | FF |
|------|-----|-------|------|------|------|
| 350 | 48Y | 20.00 | 4.00 | 8.19 | 7.88 |
| 375 | 48Y | 20.00 | 4.25 | 7.94 | 7.62 |
| 400 | 48Y | 20.00 | 4.50 | 7.69 | 7.38 |
| 425 | 48Y | 20.00 | 4.75 | 7.44 | 7.13 |
| | | | | | |
| | | | | | |

LEADS DESCRIPTION:
 4 LEADS WITH .50 BARE WIRE STRIP
 30.00 LONG WHITE, BLACK, BLUE, RED
 2 BROWN LEADS WITH .25 FLAG-TYPE
 QUICK-30.00 LONG BROWN LEAD WITH
 WHITE MARK IS COMMON TO WHITE LEAD
 GRN. GRD. LEAD W/ TERM. FOR #10
 SCREW 12.00 LONG



| | | TOLERANCES UNLESS SPECIFIED | | MARATHON ELECTRIC | | DRAWN NB 12-26-2007 | |
|-----|----------|-----------------------------|-------------|-------------------|-------------------|---------------------|----------------------|
| | | DEC. | INCHES | TITLE OUTLINE | | CHK VL 12-26-2007 | |
| | | .X | $\pm .1$ | | | APPD VL 12-26-2007 | |
| | | .XX | $\pm .03$ | | | SCALE 9=32 | |
| | | .XXX | $\pm .005$ | | | REF SS73799 | |
| | | .XXXX | $\pm .0005$ | MAT'L. | | FMF 07-2838 | |
| NO. | REVISION | BY & DATE | CHK | ANG | FINISH | PREV | |
| | | | RFP | 12-26-2007 | CAD FILE SS403669 | SIZE A | DRAWING NO. SS403669 |
| | | | | DIST WP | | PAGE OF | REV. |



| | | | | 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 04-23-1998 | | .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 | | |
| 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 | CAD FILE 6906495 | | SIZE | DRAWING NO. | PAGE OF | REV. |
| | | | DIST | WP | | A | 6906495 | 3 | 3 |

```
ERROR: syntaxerror  
OFFENDING COMMAND: --nostringval--
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STACK:
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/RS  
-dictionary-  
/Pscript_WinNT_Compact  
-dictionary-
```

CERTIFICATION DATA SHEET

Model#: 48A1102022 K **WINDING#:** PE4861183 NONE 1
CONN. DIAGRAM: 6906495 **ASSEMBLY:** F1 ONLY
OUTLINE: A-SS403669-375

TYPICAL MOTOR PERFORMANCE DATA

| HP | KW | SYNC. RPM | F.L. RPM | FRAME | ENCLOSURE | KVA CODE | DESIGN |
|-----|------|-----------|----------|-------|-----------|----------|----------------|
| 1/4 | 0.19 | 1200 | 1075 | 48Y | OPAO | D | NO DESIGN CODE |

| PH | Hz | VOLTS | FL AMPS | START TYPE | DUTY | INSL | S.F | AMB°C | ELEVATION |
|----|----|-------|---------|-----------------|------------|------|-----|-------|-----------|
| 1 | 60 | 115 | 4.8 | ACROSS THE LINE | CONTINUOUS | B3 | 1.0 | 40 | 3300 |

| FULL LOAD EFF: 52.8 | 3/4 LOAD EFF: - | 1/2 LOAD EFF: - | GTD. EFF | ELEC. TYPE | NO LOAD AMPS |
|---------------------|-----------------|-----------------|----------|-------------|--------------|
| | | | - | PSC 3 SPEED | 2.9 |

| F.L. TORQUE | LOCKED ROTOR AMPS | L.R. TORQUE | B.D. TORQUE | F.L. RISE°C |
|-------------|-------------------|--------------|--------------|-------------|
| 18.5 LB-FT | 9.4 | 6.29 LB-FT - | 31.9 LB-FT - | - |

| SOUND PRESSURE @ 3 FT. | SOUND POWER | ROTOR WK^2 | MAX. WK^2 | SAFE STALL TIME | STARTS /HOUR | APPROX. MOTOR WGT |
|------------------------|-------------|------------|-----------|-----------------|--------------|-------------------|
| - dBA | - dBA | - LB-FT^2 | - LB-FT^2 | - SEC. | - | - LBS. |

***** SUPPLEMENTAL INFORMATION *****

| DE BRACKET TYPE | ODE BRACKET TYPE | MOUNT TYPE | ORIENTATION | SEVERE DUTY | HAZARDOUS LOCATION | DRIP COVER | SCREENS | PAINT |
|-----------------|------------------|----------------------|-------------|-------------|--------------------|------------|---------|---------------|
| STANDARD | STANDARD | ROUND-EXTENDED STUDS | HORIZONTAL | FALSE | NONE | FALSE | NONE | GRAY (POWDER) |

| BEARINGS | | GREASE | SHAFT TYPE | SPECIAL DE | SPECIAL ODE | SHAFT MATERIAL | FRAME MATERIAL |
|----------|------|------------|-------------|--|--|--------------------------|----------------|
| DE | OPE | | | | | | |
| BALL | BALL | BEACON 325 | DBL SPL EXT | 0.500 x 7.75 IN SEF WITH 7.50 IN FULL FLAT | 0.500 x 7.94 IN SEF WITH 7.62 IN FULL FLAT | 1144 STRESSPROOF (C-223) | ROLLED STEEL |
| 6203 | 6203 | | | | | | |

| THERMO-PROTECTORS | | | | THERMISTORS | CONTROL | SPACE /n HEATERS |
|-------------------|------------------|----------|----------|-------------|---------|------------------|
| THERMOSTATS | PROTECTORS | WDG RTDs | BRG RTDs | | | |
| NONE | AUT LCK RTR ONLY | NONE | NONE | NONE | FALSE | NONE VOLTS |

If Inverter equals NONE, contact factory for further information

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|---------------------------|
| INVERTER TORQUE: NONE |
| INV. HP SPEED RANGE: NONE |
| ENCODER: NONE |
| NONE NONE |
| NONE NONE PPR |
| BRAKE: NONE NONE |
| NONE P/N NONE |
| NONE NONE |
| NONE FT-LB NONE V NONE Hz |

DATE: 06/27/2017 04:54:15 AM
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