## PRODUCT INFORMATION PACKET

Model No: 048A17O128
Catalog No: X477
0.17 HP Fan and Blower HVAC/R Motor, 1 phase, 1800 RPM, 115 V, 48 F Frame, OPAO Direct Drive Motors


Product Information Packet: Model No: 048A17O128, Catalog No:X477 0.17 HP Fan and Blower HVAC/R Motor, 1 phase, 1800 RPM, 115 V, 48Y Frame, OPAO

## Nameplate Specifications

| Output HP | 0.17 Hp | Output KW | 0.13 kW |
| :--- | :--- | :--- | :--- |
| Frequency | 60 Hz | Voltage | 115 V |
| Current | 2.6 A | Speed | 1625 rpm |
| Service Factor | 1 | Phase | $\mathbf{1}$ |
| Efficiency | $52.5 \%$ | Power Factor | 80.4 |
| Duty | Continuous | Insulation Class | A |
| Design Code | NO DESIGN CODE | KVA Code | C |
| Frame | 48 Y | Enclosure | Open Air Over |
| Thermal Protection | Automatic Lock Rotor Only | Ambient Temperature | $\mathbf{4 0}{ }^{\circ} \mathrm{C}$ |
| Drive End Bearing Size | 6203 | Opp Drive End Bearing Size | $\mathbf{6 2 0 3}$ |
| UL | Recognized | CSA | N |
| CE | N | IP Code | 10 |

Technical Specifications

| Electrical Type | Permanent Split Capacitor | Starting Method | Across The Line |
| :--- | :--- | :--- | :--- |
| Poles | 4 | Rotation | Selective Counterclockwise |
| Mounting | Resilient Rings | Motor Orientation | Horizontal |
| Drive End Bearing | Ball | Opp Drive End Bearing | Ball |
| Frame Material | Rolled Steel | Shaft Type | Single Special Extension |
| Overall Length | 9.00 in | Frame Length | $\mathbf{3 . 5 0 ~ i n ~}$ |
| Shaft Diameter | 0.500 in | Shaft Extension | $\mathbf{4 . 0 6 ~ i n ~}$ |
| Assembly/Box Mounting | F1 ONLY |  |  |
| Outline Drawing | A-SS403801-350 | Connection Drawing | $\mathbf{6 9 0 6 4 9 6}$ |

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| DASH | FR. | $C$ | A |
| :---: | :--- | :---: | :---: |
| 350 | 48 Y | 9.00 | 4.00 |
| 375 | 48 Y | 9.25 | 4.25 |
| 400 | 48 Y | 9.50 | 4.50 |
| 425 | 48 Y | 9.75 | 4.75 |
| 475 | 48 Y | 10.25 | 5.25 |

LEAD DESCRIPTION:
1 BLACK AND 1 WHITE LEAD WITH . 50 BARE WIRE STRIP. 36.00 TO 38.00 LONG.
2 BROWN LEADS WITH . 25 FLAG-TYPE QUICK CONNECTS 36.00 TO 38.00 LONG
WHITE MARKED LEAD IS COMMON TO WHITE
REVERSING LEADS ARE MOLDED INTO MATING PULL APART
PLUGS. 1 YELLOW \& 1 PURPLE LEAD PER PLUG.
4.00 TO 6.00 LONG.

CW ROTATION - SHAFT END SHOWN TO REVERSE, CONNECT PURPLE TO YELLOW, AND YELLOW TO PURPLE
WHITE $\quad$ LINE
BLACK CINE
PURPLE
YELLOW
BROWN
BROWN /WHITE STRIPE

|  |  | TOLERANCES <br> UNLESS SPECIFIED |  |  |  |  | DRAW | RP 01-0 | 2009 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | DEC. | INCHES |  |  |  | CHK | SP 01-07 | 2009 |
|  |  | . X | $\pm .1$ |  |  |  | APPD | NB 01-0 | 2009 |
|  |  | . XX | $\pm .02$ | TITLE OUTLINE |  |  | SCALE | $3=9$ |  |
|  |  | . XXX | $\pm .005$ |  |  |  | REF | SS4034 |  |
|  |  | . XXXX | $\pm .0005$ | MAT'L. |  |  | FMF | 07-2426 |  |
| BY \& DATE | CHK | ANG | $\pm 7{ }^{\prime} 30^{\prime \prime}$ | FINISH |  |  | PREV |  |  |
| BE USED EXCEPT | RFP | 01-07-2009 |  | CAD FILE SS403801 | SIZE | DRAWING NO. PAGE 1 OF 1 SS403801 |  |  | REV. |
| N ARE RESERVED <br> LE THIS PRINT | DIST | WP |  |  | $A$ |  |  |  |  |



|  |  |  |  | $\begin{aligned} & \text { TOLERANCES } \\ & \text { UNLESS SPECIFIED } \\ & \hline \end{aligned}$ |  |  |  | DRAWN MRB 04-16-1998 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | DEC. | INCHES |  |  | CHK N | ML 04 | -1998 |
| 4 | ADDED DIM. TO DECAL | RDH 09/22/2003 | ML | . x | $\pm .1$ |  | Olobice | APPD G | GK 04 | 1998 |
| 3 | REMOVED 'MARATHON ELECTRIC' CN 35106 | DRS 05-01-2002 | TOM | . $x$ x | $\pm .02$ | TITLE CONNECTION DECAL |  | SCALE 1=1 |  |  |
| 2 | PART NAME WAS CONNECTION DIAGRAM CN 25669 | MRB 04-23-1998 |  | .xxx | $\pm .005$ |  |  | REF |  |  |
| 1 | NEW DRAWING CN 25669 | MRB 04-22-1998 |  | .xxxx | $\pm .0005$ | MAT'L. |  | FMF |  |  |
| NO. | REVISION | BY \& DATE | CHK | ANG | $\pm 7{ }^{\prime} 30$ | FINISH |  | PREV |  |  |
|  | THIS DRAWNG IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WTH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT |  | RFP |  |  | CAD FILE 6906496 | DRAWING NO. PAGE6906496 |  | OF | $\begin{gathered} \text { REV. } \\ 4 \end{gathered}$ |
|  |  |  | DIST WP |  |  |  |  |  |  |  | 7/11/2007 7:33:01 PM -

## CERTIFICATION DATA SHEET

| Model\#: | 48A170128 C | WINDING\#: | PE484205 NONE 1 |
| :--- | :--- | :--- | :--- |
| CONN. DIAGRAM: | 6906496 | ASSEMBLY: | F1 ONLY |
| OUTLINE: | A-SS403801-350 |  |  |
|  |  |  | TYPICAL MOTOR PERFORMANCE DATA |


*** SUPPLEMENTAL INFORMATION ***

| DE BRACKET <br> TYPE | ODE BRACKET <br> TYPE | MOUNT <br> TYPE | ORIENTATION | SEVERE <br> DUTY | HAZARDOUS <br> LOCATION | DRIP <br> COVER | SCREENS | PAINT |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| STANDARD | STANDARD | RESILIENT <br> RINGS | HORIZONTAL | FALSE | NONE | FALSE | NONE | GRAY <br> (POWDER) |


| BEARINGS |  | GREASE | SHAFT TYPE | SPECIAL DE | SPECIAL ODE | SHAFT <br> MATERIAL | FRAME <br> MATERIAL |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| DE | OPE |  |  |  |  |  |  |
| BALL | BALL | BEACON 325 | SGL SPL EXT | $0.500 \times 4.00$ WITH <br> 3.00 FULL FLAT | NONE | 1144 <br> STRESSPROOF <br> (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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