

# PRODUCT INFORMATION PACKET



Model No: 110180.00

Catalog No: 110180.00

General Purpose Motor, 1 HP, 1 Ph, 60 Hz, 115/230 V, 3600 RPM, 56C Frame, TEFC

**Operational at 115/208-230 V @60HZ**



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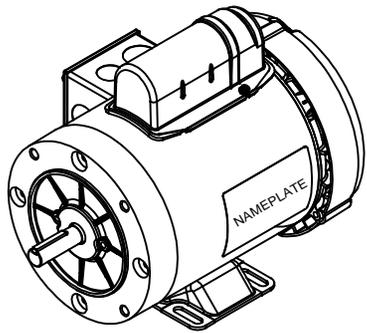
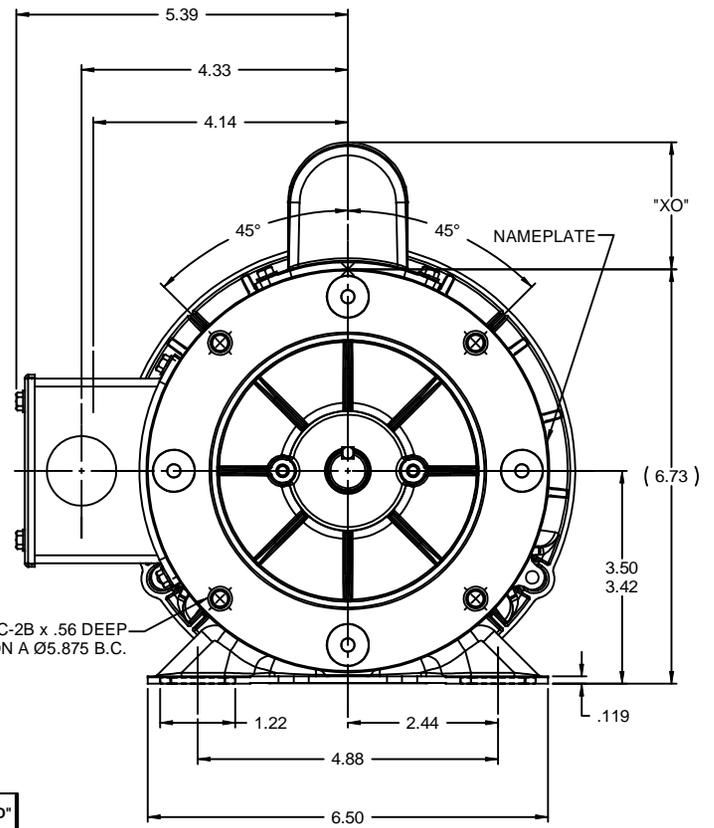
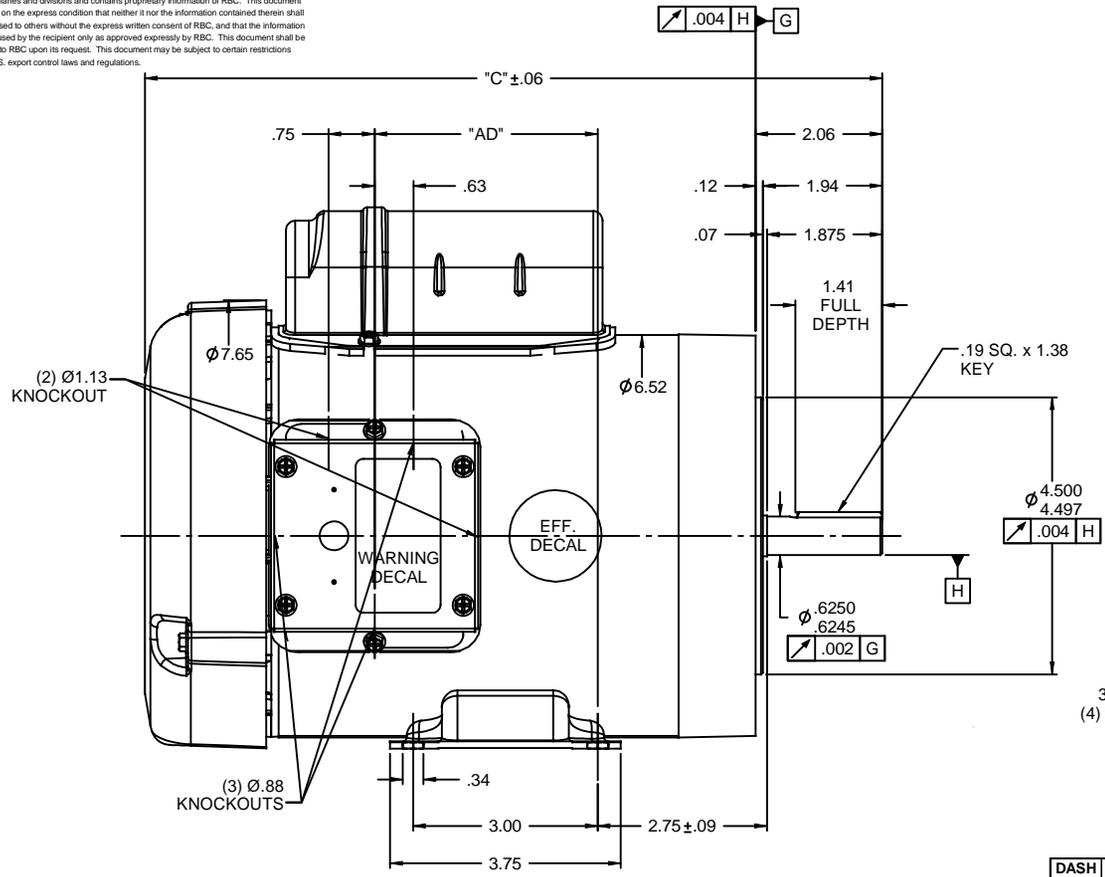
### Nameplate Specifications

|                        |               |                            |                             |
|------------------------|---------------|----------------------------|-----------------------------|
| Phase                  | 1             | Output HP                  | 1 Hp                        |
| Output KW              | 0.75 kW       | Voltage                    | 115/230 V                   |
| Speed                  | 3450 rpm      | Service Factor             | 1.15                        |
| Frame                  | 56C           | Enclosure                  | Totally Enclosed Fan Cooled |
| Thermal Protection     | No Protection | Efficiency                 | 70 %                        |
| Ambient Temperature    | 40 °C         | Frequency                  | 60 Hz                       |
| Current                | 12.0/6.0 A    | Power Factor               | 76                          |
| Duty                   | Continuous    | Insulation Class           | B                           |
| Design Code            | N             | KVA Code                   | J                           |
| Drive End Bearing Size | 6203          | Opp Drive End Bearing Size | 6203                        |
| UL                     | Recognized    | CSA                        | Y                           |
| CE                     | N             | IP Code                    | 43                          |
| Number of Speeds       | 1             |                            |                             |

### Technical Specifications

|                       |                               |                       |                            |
|-----------------------|-------------------------------|-----------------------|----------------------------|
| Electrical Type       | Capacitor Start Induction Run | Starting Method       | Across The Line            |
| Poles                 | 2                             | Rotation              | Selective Counterclockwise |
| Resistance Main       | 1.92 Ohms                     | Mounting              | Rigid Base                 |
| Motor Orientation     | Horizontal                    | Drive End Bearing     | Ball                       |
| Opp Drive End Bearing | Ball                          | Frame Material        | Rolled Steel               |
| Shaft Type            | NEMA 56                       | Overall Length        | 11.98 in                   |
| Frame Length          | 6.50 in                       | Shaft Diameter        | 0.625 in                   |
| Shaft Extension       | 1.88 in                       | Assembly/Box Mounting | F1 ONLY                    |
| Outline Drawing       | 028857-650B                   | Connection Drawing    | 005005.01                  |

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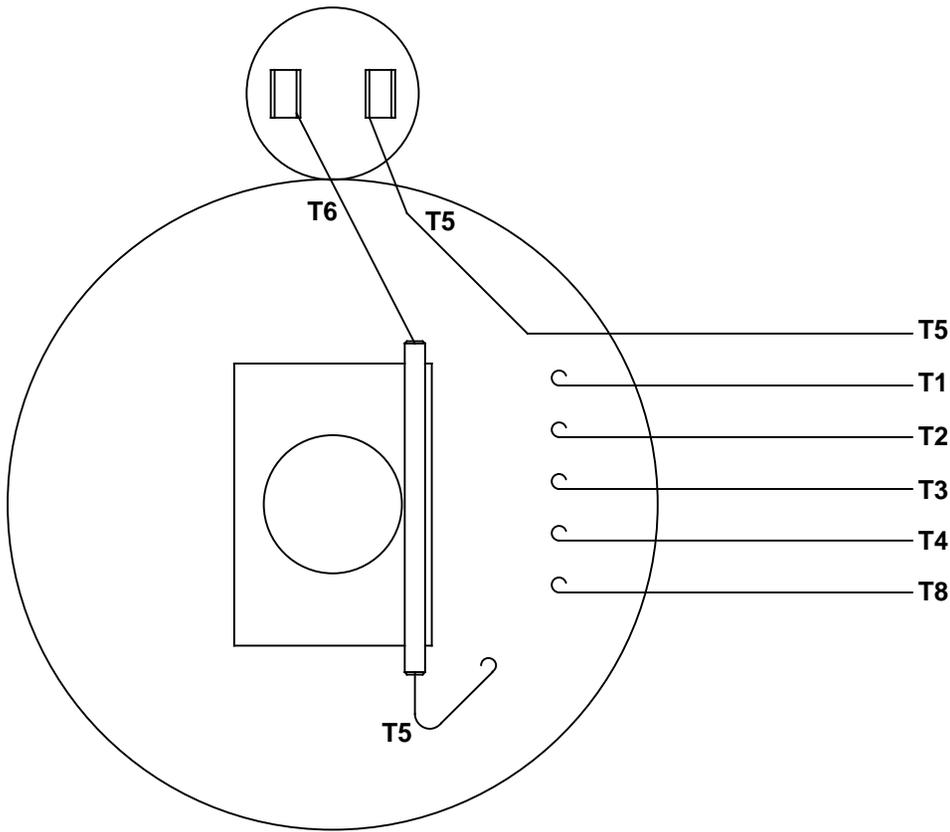


| DASH NO. | "C"   | "AD" | CAP. DASH | "XO" |
|----------|-------|------|-----------|------|
| 500      | 10.48 | 2.12 | A         | 1.61 |
| 550      | 10.98 | 2.62 | B         | 2.08 |
| 600      | 11.48 | 3.12 | C         | 2.32 |
| 650      | 11.98 | 3.62 |           |      |
| 700      | 12.48 | 4.12 |           |      |
| 750      | 12.98 | 4.62 |           |      |
| 800      | 13.48 | 5.12 |           |      |
| 850      | 13.98 | 5.62 |           |      |

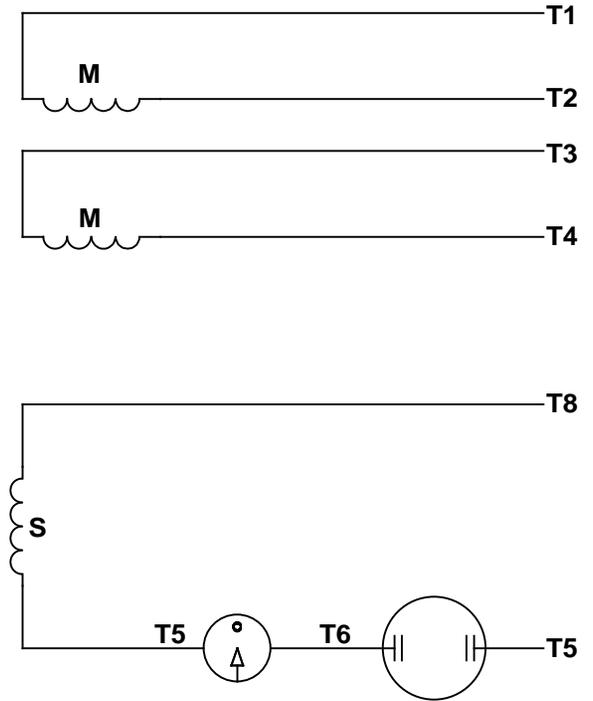
NOTES:  
 1) GASKETS THROUGHOUT

|                        |                             |            |                              |              |                           |   |
|------------------------|-----------------------------|------------|------------------------------|--------------|---------------------------|---|
|                        |                             |            | TOLERANCES UNLESS SPECIFIED: |              |                           | DRAWN GRB 07/22/08<br>CHK DJ 07/22/08<br>APPR |
|                        |                             |            | DEC                          | INCHES       |                           | SCALE 1:2                                     |
|                        |                             |            | x                            | ±.1          | TITLE OUTLINE - 56C FRAME | REF 028851                                    |
|                        |                             |            | .XX                          | ±.03         | TEFC - "C" FACE           | FMF 110180.00                                 |
|                        |                             |            | .XXX                         | ±.005        |                           | PAGE 1 OF 1                                   |
| 01                     | ADDED FRAMES 500, 550 & 600 | MBR 9/3/08 | GWS                          | .XXXx ±.0005 | MATL                      |   |
| NO                     | REVISION                    | BY & DATE  | CHK                          | ANG ±1/2°    | FINISH                    |   |
|                        |                             |            | RFP                          | 07/22/08     | PREV                      |   |
| THIRD ANGLE PROJECTION |                             |            | NETWORK FILE NAME            |              | SIZE B                    | DRAWING NO 028857                             |
|                        |                             |            |                              |              |                           | REV 01  |

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS



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|              | ROTATION<br>FACING<br>LEAD END | L1         | L2         | JOIN       |
|--------------|--------------------------------|------------|------------|------------|
| HIGH<br>VOLT | C.C.W.                         | T1         | T4, T5     | T2, T3, T8 |
|              | C.W.                           | T1         | T4, T8     | T2, T3, T5 |
| LOW<br>VOLT  | C.C.W.                         | T1, T3, T8 | T2, T4, T5 | -----      |
|              | C.W.                           | T1, T3, T5 | T2, T4, T8 | -----      |

|                           |   |              |                                |              |   |   |                    |
|---------------------------|---|--------------|--------------------------------|--------------|---|---|--------------------|
| --                        | REDRAWN IN SOLIDWORKS                     | VJB 02/16/11 | TOLERANCES<br>UNLESS SPECIFIED |              | <b>LEESON</b>   | ELECTRIC MOTORS<br>GEARMOTORS<br>AND DRIVES | DRAWN ADH 08/06/73 |
| 27                        | UPDATED TO CURRENT STANDARDS              | DBT 05/27/97 | DEC                            | INCHES       |   |   | CHK                |
| 26                        | ADDED PAGE 32 (114787) & PAGE 33 (114788) | KAZ 12/20/95 | PG                             | .X ±.1       | TITLE EXTERNAL WIRING DIAGRAM<br>TYPE "C" W/O PROTECTOR |   | APPR JCW 03/09/79  |
| 25                        | ADDED PAGE 31                             | KAZ 04/19/95 | DL                             | .XX ±.01     |   |   | SCALE 1:1          |
| 24                        | ADDED PAGES 29 & 30                       | KMM 03/30/95 | DL                             | .XXX ±.005   | MAT'L DECAL - 004012                                    |   | REF FIG 2-23 C4A   |
| 23                        | ADDED PAGE 28                             | KMM 01/27/95 |                                | .XXXX ±.0005 |   |   | FMF MGI-2.4B       |
| NO                        | REVISION                                  | BY & DATE    | CHK                            | ANG ±1/2°    | FINISH  | PAGE  | OF                 |
| THIRD ANGLE<br>PROJECTION |   |              | RFP                            | PREV         | SIZE  | DRAWING NO                                  |                    |
|                           |   |              | NETWORK FILE NAME 00500501     |              | <b>A</b>  | <b>005005-01</b>                            |                    |
|                           |   |              |                                |              |   |   | REV                |
|                           |   |              |                                |              |   |   | --                 |

