

# PRODUCT INFORMATION PACKET



Model No: C4C17DH106C  
Catalog No: 101781.00  
..1/2HP..1725RPM.S56.DP.115/208-  
230V.1PH.60HZ.CONT.40C.1.25SF.RIGID.C4C17DH106C.....WOODWORKING.NOT.....  
Power Tools



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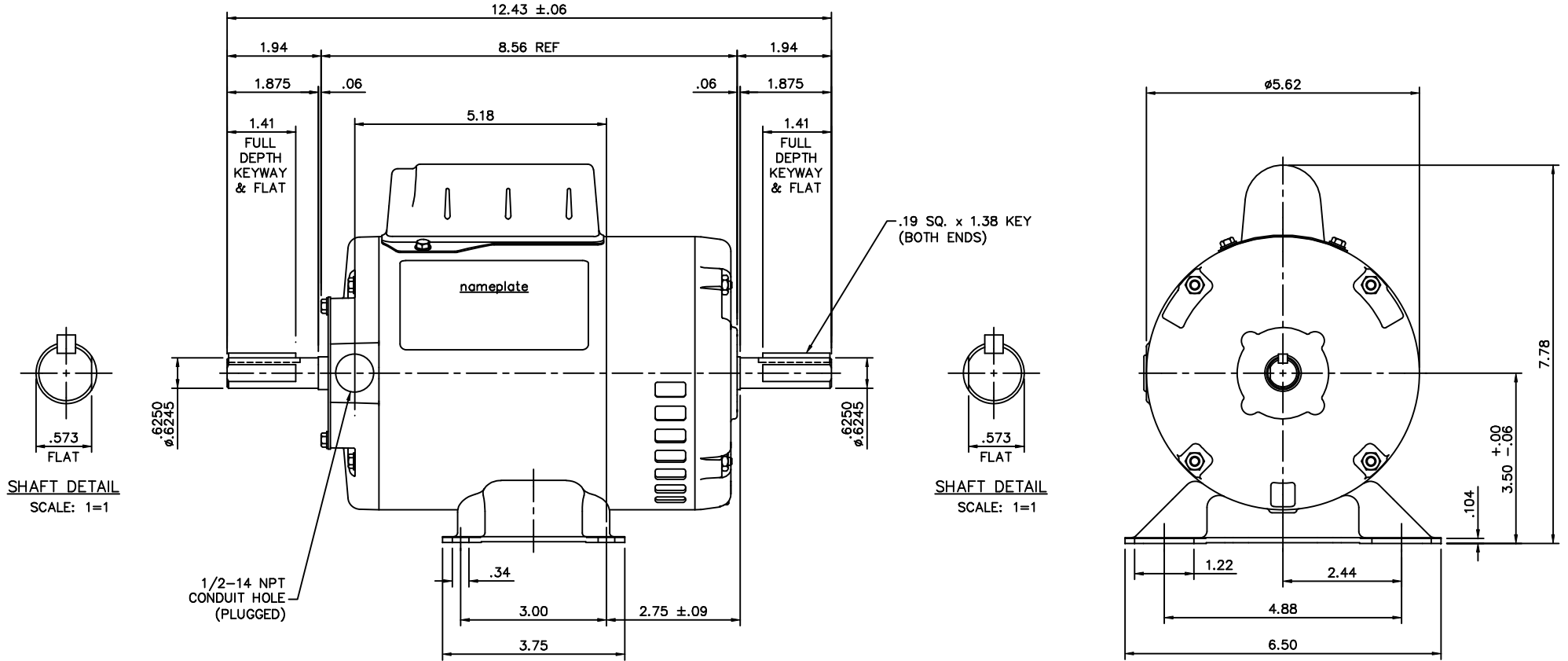


### Nameplate Specifications

|                            |                      |                        |                      |
|----------------------------|----------------------|------------------------|----------------------|
| Output HP                  | <b>0.50 Hp</b>       | Output KW              | <b>0.37 kW</b>       |
| Frequency                  | <b>60 Hz</b>         | Voltage                | <b>115/208-230 V</b> |
| Current                    | <b>8.8/4.0-4.4 A</b> | Speed                  | <b>1725 rpm</b>      |
| Service Factor             | <b>1.25</b>          | Phase                  | <b>1</b>             |
| Efficiency                 | <b>62 %</b>          | Duty                   | <b>Continuous</b>    |
| Insulation Class           | <b>B</b>             | Design Code            | <b>N</b>             |
| KVA Code                   | <b>K</b>             | Frame                  | <b>S56Z</b>          |
| Enclosure                  | <b>Drip Proof</b>    | Overload Protector     | <b>No</b>            |
| Ambient Temperature        | <b>40 °C</b>         | Drive End Bearing Size | <b>6203</b>          |
| Opp Drive End Bearing Size | <b>6203</b>          | UL                     | <b>No</b>            |
| CSA                        | <b>N</b>             | CE                     | <b>N</b>             |
| IP Code                    | <b>22</b>            |                        |                      |

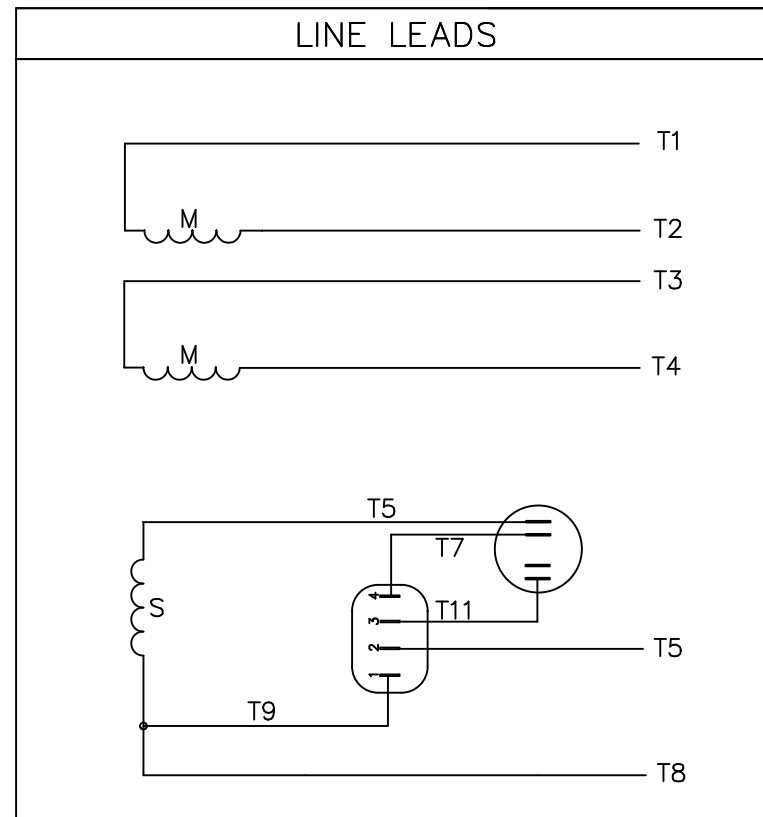
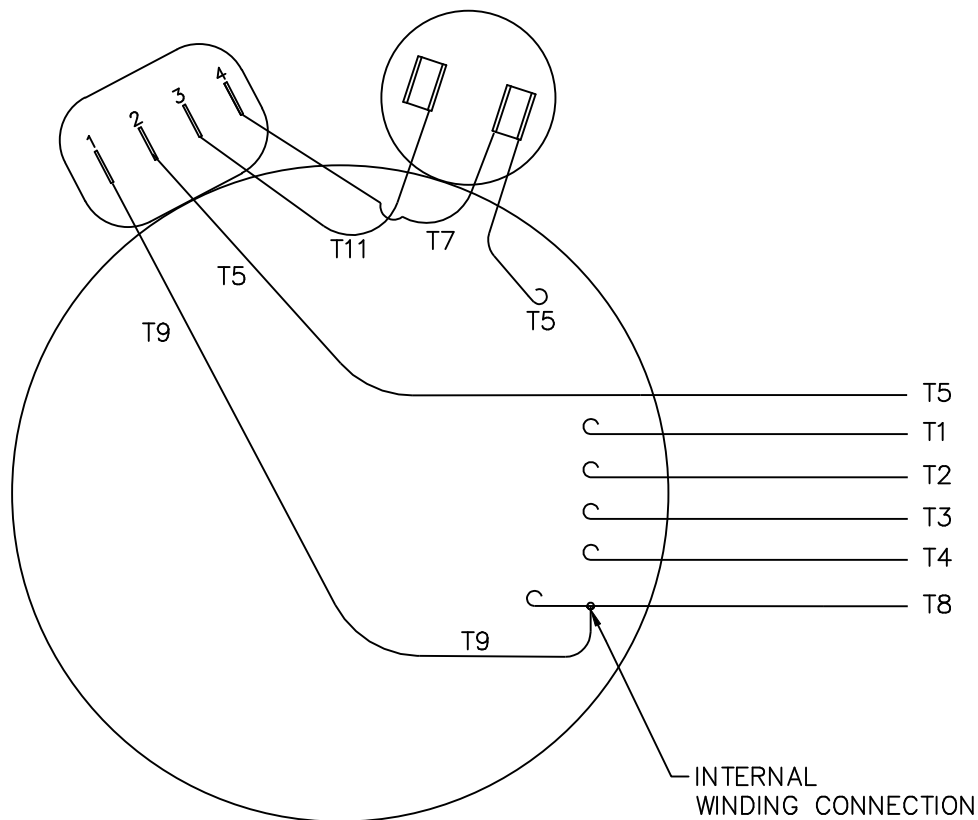
### Technical Specifications

|                       |                                      |                       |                                   |
|-----------------------|--------------------------------------|-----------------------|-----------------------------------|
| Electrical Type       | <b>Capacitor Start Induction Run</b> | Starting Method       | <b>Across The Line</b>            |
| Poles                 | <b>4</b>                             | Rotation              | <b>Selective Counterclockwise</b> |
| Mounting              | <b>Rigid base</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>12.43 in</b>                      | Frame Length          | <b>6.50 in</b>                    |
| Shaft Diameter        | <b>0.625 in</b>                      | Shaft Extension       | <b>1.87 in</b>                    |
| Assembly/Box Mounting | <b>F1 ONLY</b>                       |                       |                                   |
| Outline Drawing       | <b>OL101781</b>                      | Connection Diagram    | <b>005278.12</b>                  |



|  |  | TOLERANCES UNLESS SPECIFIED |         | LEESON                   | ELECTRIC MOTORS<br>GEARMOTORS<br>AND DRIVES | DRAWN PG 6/28/01 |        |             |
|--|--|-----------------------------|---------|--------------------------|---|------------------|--------|-------------|
|  |  | DEC.                        | INCHES  |                          |   | CHK              | APPD   |             |
|  |  | .X                          | ±.1     | TITLE                    |   | SCALE            | 1=2    |             |
|  |  | .XX                         | ±.03    | OUTLINE - S56 FRAME      |   | REF              | 030970 |             |
|  |  | .XXX                        | ±.005   | RIGID MOUNT - DRIP PROOF |   | FMF              | 101781 |             |
| 01   | CLARIFIED SHAFT DETAILS FOR FLAT TO KEYWAY ORIENTATION | IRON                        | 10/3/02 | 1 PHASE                  |   | PREV             |        |             |
| NO.  | REVISION   | BY & DATE                   | CHK     | ANG                      | ±1/2"                                       | FINISH           |        |             |
| 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                                    | OL101781         | SIZE   | DRAWING NO. |
|  |  |                             |         | DIST                     | B   | OL101781         | REV.   | 01          |

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



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

|  |  |            |         |                                       |        |        |                                    |            |        |      |                         |
|--|--|------------|---------|---------------------------------------|--------|--------|------------------------------------|------------|--------|------|-------------------------|
|  |  |            |         | TOLERANCES UNLESS OTHERWISE SPECIFIED |        |        | <b>LEESON</b> ELECTRIC CORPORATION |            |        |      |                         |
|  |  |            |         | DEC.                                  | INCHES | METRIC |                                    |            |        |      |                         |
|  |  |            |         | .X                                    | ±.1    | ±2.5   | DRAWN                              | PG 6/28/01 | TITLE  |      | EXTERNAL WIRING DIAGRAM |
|  |  |            |         | .XX                                   | ±.03   | ±.76   | APPR.                              |            |        |      | TYPE "C" W/O PROTECTOR  |
| 01   | REVISED TO CLARIFY T8 & T9 WINDING LEADS | PG 8/14/01 |         | .XXX                                  | ±.005  | ±.127  | R.F.P.                             |            | MAT'L. |      | DECAL - 004012          |
| NO.  | REVISION                                 | BY & DATE  | CH'K'D. | .XXXX                                 | ±.0005 | ±.0127 | SCALE                              | 1=1        |        |      |                         |
| 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 |  |            |         | FRACTIONS                             | ±1/64  |        | REF.                               | 005278-01  | FINISH | REV. | DRAWING NO.             |
|  |  |            |         | ANGLES                                | ±1/2'  |        | FMF                                | 101781     |        | 01   | 005278-12               |

