

# PRODUCT INFORMATION PACKET

Model No: 184TBFR7041

Catalog No: I314

Other Purpose Motor, 3 HP, 1 Ph, 60 Hz, 230 V, 1800 RPM, 184TC Frame, TEFC



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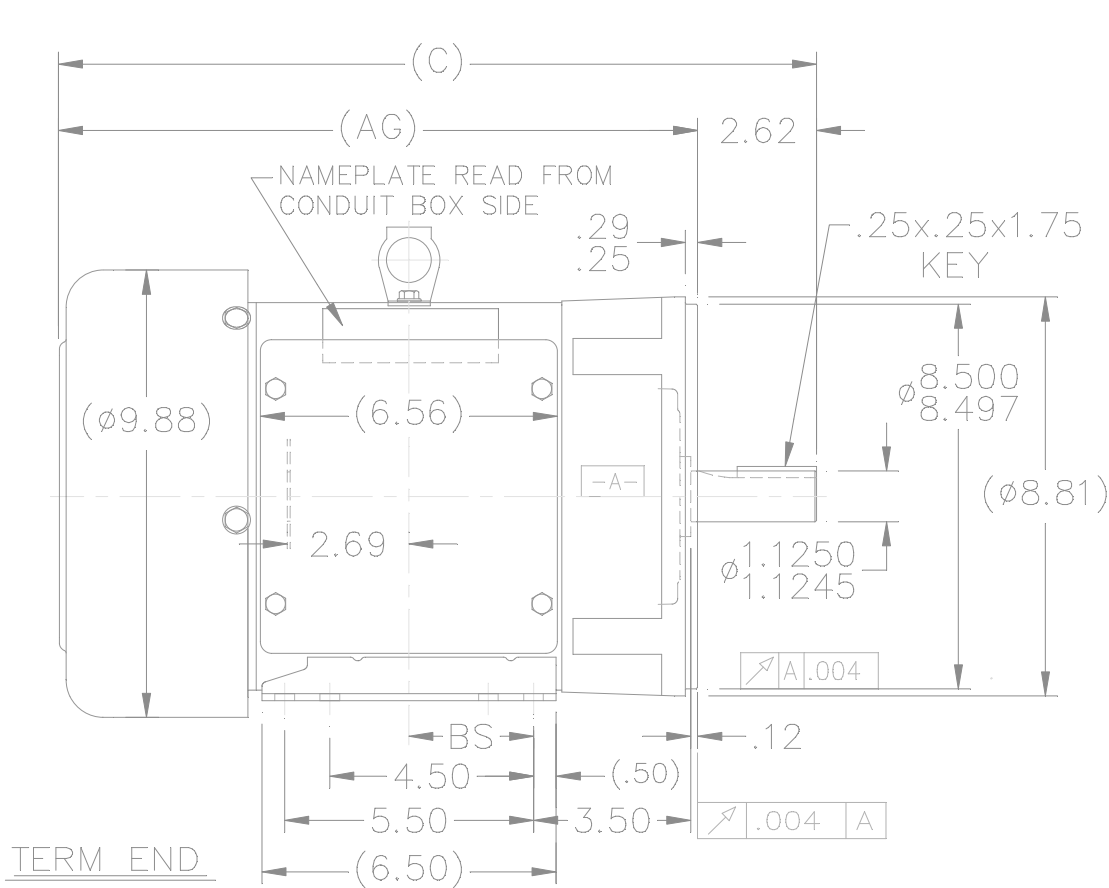
### Nameplate Specifications

|                        |                                    |                            |                                    |
|------------------------|------------------------------------|----------------------------|------------------------------------|
| Output HP              | <b>3 Hp</b>                        | Output KW                  | <b>2.2 kW</b>                      |
| Frequency              | <b>60 Hz</b>                       | Voltage                    | <b>230 V</b>                       |
| Current                | <b>13.7 A</b>                      | Speed                      | <b>1750 rpm</b>                    |
| Service Factor         | <b>1.15</b>                        | Phase                      | <b>1</b>                           |
| Efficiency             | <b>82.5 %</b>                      | Power Factor               | <b>85.4</b>                        |
| Duty                   | <b>Continuous</b>                  | Insulation Class           | <b>B</b>                           |
| Design Code            | <b>L</b>                           | KVA Code                   | <b>H</b>                           |
| Frame                  | <b>184TC</b>                       | Enclosure                  | <b>Totally Enclosed Fan Cooled</b> |
| Thermal Protection     | <b>Manual</b>                      | Ambient Temperature        | <b>40 °C</b>                       |
| Drive End Bearing Size | <b>6207</b>                        | Opp Drive End Bearing Size | <b>6205</b>                        |
| UL                     | <b>Recognized ( Not Protector)</b> | CSA                        | <b>Y</b>                           |
| CE                     | <b>Y</b>                           | IP Code                    | <b>43</b>                          |
| Number of Speeds       | <b>1</b>                           |                            |                                    |

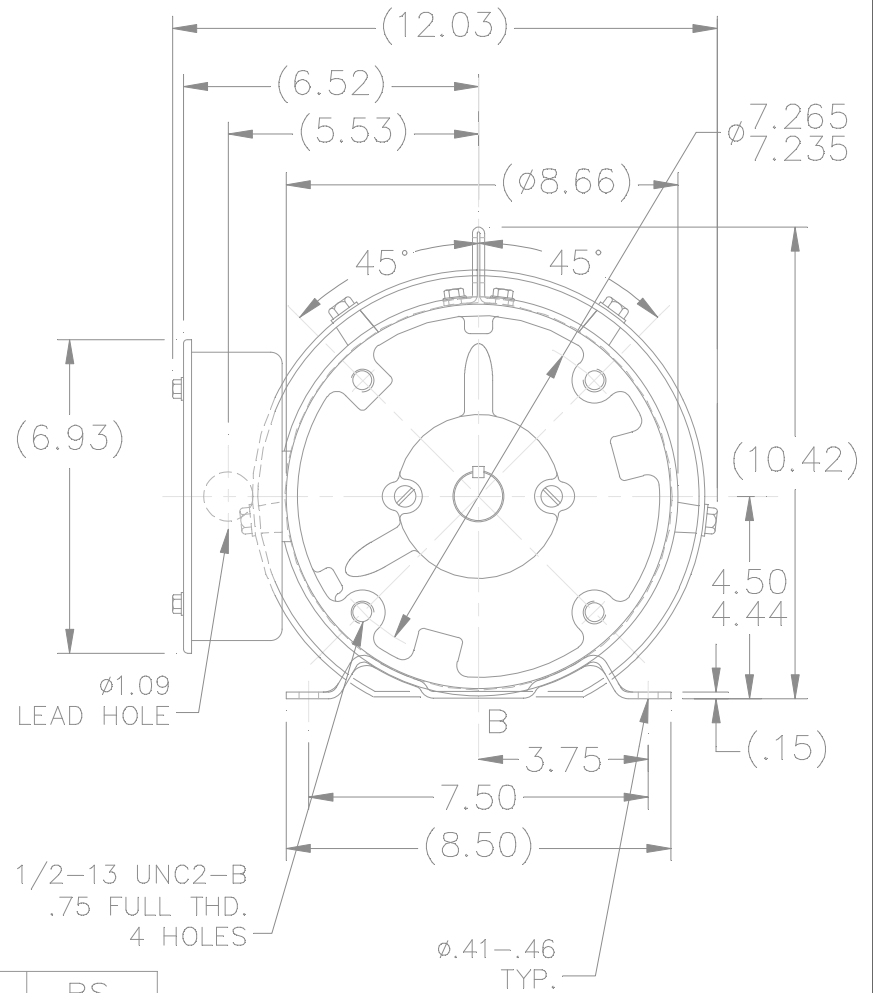
### Technical Specifications

|                       |                                      |                       |                                   |
|-----------------------|--------------------------------------|-----------------------|-----------------------------------|
| Electrical Type       | <b>Capacitor Start Capacitor Run</b> | Starting Method       | <b>Across The Line</b>            |
| Poles                 | <b>4</b>                             | Rotation              | <b>Selective Counterclockwise</b> |
| Resistance Main       | <b>0 Ohms</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>T</b>                             | Overall Length        | <b>17.75 in</b>                   |
| Frame Length          | <b>7.75 in</b>                       | Shaft Diameter        | <b>1.125 in</b>                   |
| Shaft Extension       | <b>2.75 in</b>                       | Assembly/Box Mounting | <b>F1 ONLY</b>                    |
| Connection Drawing    | <b>A-EE9048MT</b>                    | Outline Drawing       | <b>A-SS65370-775</b>              |

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TERM END

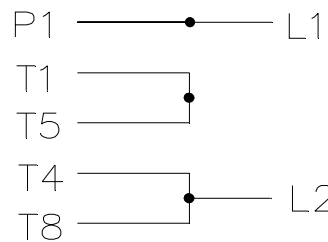


BOX CAN BE ROTATED IN 90° STEPS.

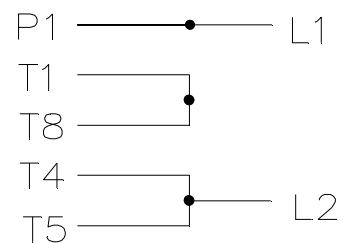
| DASH | FR.  | C     | AG    | BS   | DASH | FR.  | C     | AG    | BS   |
|------|------|-------|-------|------|------|------|-------|-------|------|
| 775  | 184T | 17.75 | 15.13 | 3.25 | 675  | 182T | 16.75 | 14.13 | 2.75 |
| 825  | 184T | 18.25 | 15.63 | 3.50 |      |      |       |       |      |
| 875  | 184T | 18.75 | 16.13 | 3.75 |      |      |       |       |      |

| NO.  |  | REVISION                                  | BY & DATE   | CHK  | ANG        | TOLERANCES UNLESS SPECIFIED | MARATHON ELECTRIC |        | DRAWN LZ 06-12-1994 |                          |
|--|--|---|-------------|------|------------|-----------------------------|-------------------|--------|---------------------|--------------------------|
| 7  |  | REVISED -875 'C' DIM. WAS 17.75 NOW 18.75 | 08-3016     | RJW  | 07-02-2008 | ML                          | DEC.              | INCHES | CHK ML 06-24-1994   |                          |
| 6  |  | UPDATED DRAWING                           |             | RJW  | 05-09-2007 |                             | .X                | ±.1    | APPD GK 06-24-1994  |                          |
| 5  |  | ADDED LIFT LUG                            | CN34025     | HLB  | 07-12-2001 |                             | .XX               | ±.03   | SCALE 1=4.25        |                          |
| 4  |  | ADDED CUST. MTG. HOLE SIZE                | CN21725-847 | DRS  | 09-18-1996 |                             | .XXX              | ±.005  | REF                 |                          |
| 3  |  | UPDATED SHAFT HEIGHT                      | CN16763     | BRH  | 03-29-1996 |                             | .XXXX             | ±.0005 | FMF                 |                          |
|  |  |   |             |      |            |                             | ANG               | ±7'30" | PREV                |                          |
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|  |  |   |             | DIST | LB         |                             |                   |        | A                   | SS65370 7                |

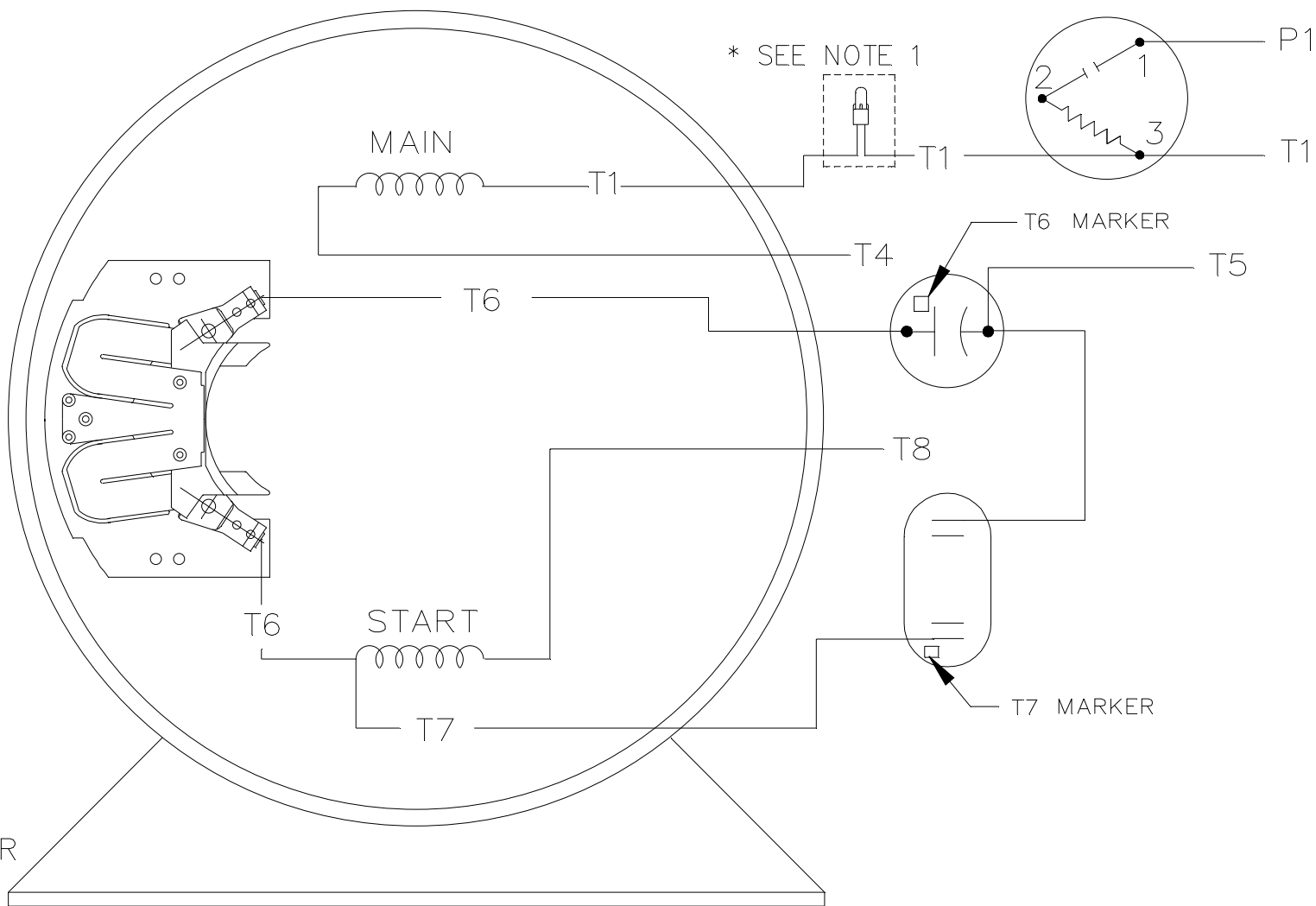
C.W. ROTATION



C.C.W. ROTATION



SINGLE VOLTAGE  
CAPACITOR START  
CAPACITOR RUN  
REVERSIBLE



VIEW OF TERMINAL END

180 - 210 SWITCH

TOLERANCES  
UNLESS SPECIFIED

DEC. INCHES

.X ±.1

.XX ±.02

.XXX ±.005

.XXXX ±.0005

ANG ±7'30"



TITLE CONNECTION DIAGRAM

DRAWN ML 04-11-1998

CHK CK 04-11-1998

APPD MS 04-11-1998

SCALE 1=1

REF

FMF

PREV

1 ADDED PRESSURE CONNECTOR IN MT2 MODEL

NB 10/5/2011

AK

.XXXX ±.0005

MAT'L.

NO. REVISION

BY & DATE

CHK

ANG ±7'30"

FINISH

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