

PRODUCT INFORMATION PACKET



Model No: 184TTDR7325

Catalog No: M320

Close-Coupled Pump Motor, 7.50 & 5 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 3600 & 3000 RPM,
184JMV Frame, DP

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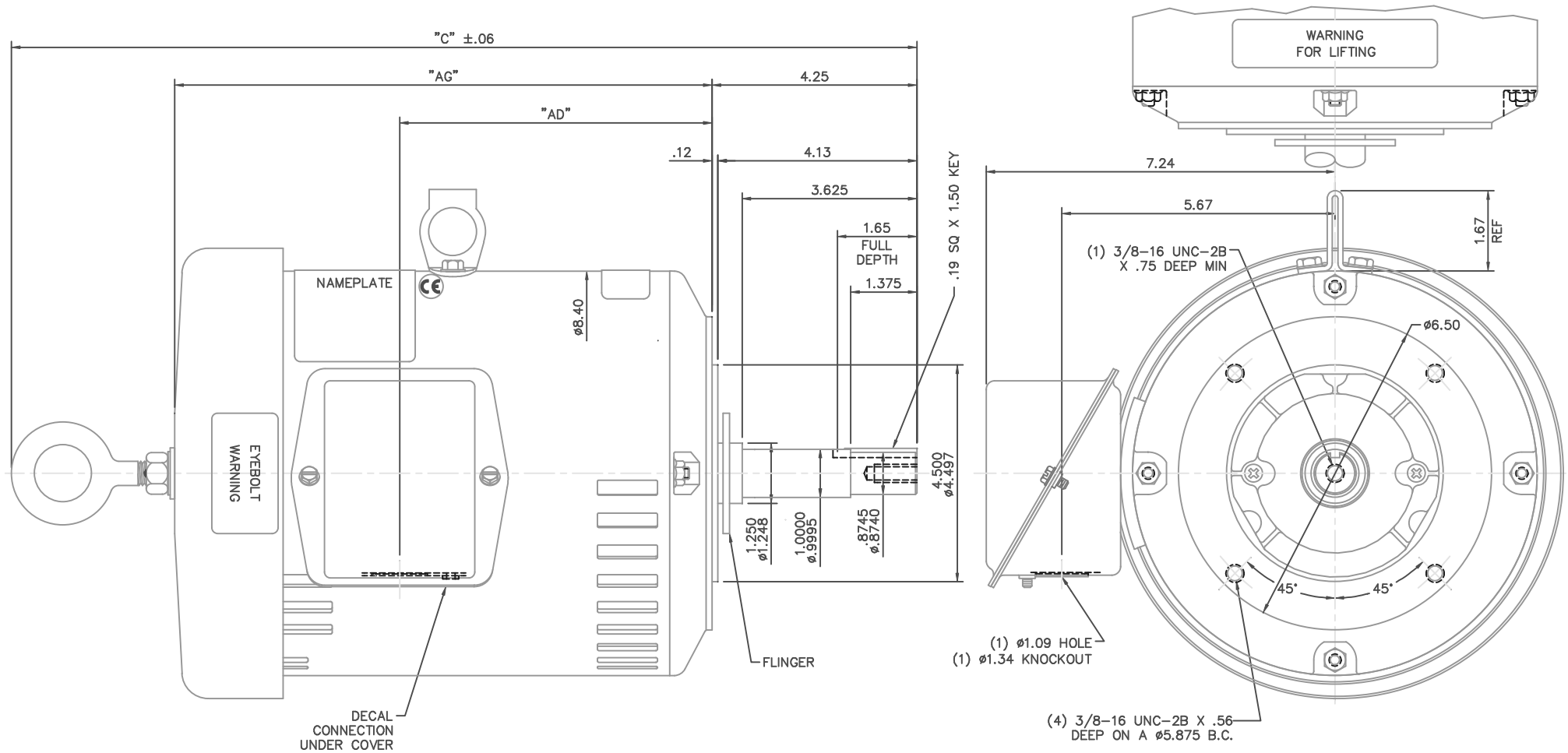


Nameplate Specifications

| | | | |
|------------------------|----------------------------|----------------------------|-------------------------|
| Phase | 3 | Output HP | 7.50 & 5 Hp |
| Output KW | 5.6 & 3.7 kW | Voltage | 208-230/460 & 190/380 V |
| Speed | 3450 & 2875 rpm | Service Factor | 1.15 & 1.15 |
| Frame | 184JMV | Enclosure | Drip Proof |
| Thermal Protection | No Protection | Efficiency | 84 % |
| Ambient Temperature | 40 °C | Frequency | 60 & 50 Hz |
| Current | 19.8-18.4/9.2 & 14.6/7.3 A | Power Factor | 90.8 |
| Duty | Continuous | Insulation Class | F |
| Design Code | B | KVA Code | H |
| Drive End Bearing Size | 6207 | Opp Drive End Bearing Size | 6205 |
| UL | Recognized | CSA | Y |
| CE | Y | IP Code | 12 |
| Number of Speeds | 1 | | |

Technical Specifications

| | | | |
|-----------------------|-----------------------------|-----------------------|-----------------|
| Electrical Type | Squirrel Cage Induction Run | Starting Method | Across The Line |
| Poles | 2 | Rotation | Reversible |
| Resistance Main | .52 Ohms | Mounting | Round |
| Motor Orientation | Shaft Down | Drive End Bearing | Ball |
| Opp Drive End Bearing | Ball | Frame Material | Rolled Steel |
| Shaft Type | JM | Overall Length | 20.24 in |
| Frame Length | 10.50 in | Shaft Diameter | 0.875 in |
| Shaft Extension | 4.28 in | Assembly/Box Mounting | F1 ONLY |
| Outline Drawing | 035456-1050 | Connection Drawing | 00501001ME |



MAXIMUM FACE RUNOUT TO BE .004 T.I.R.
 MAXIMUM PILOT ECCENTRICITY TO BE .004 T.I.R.
 PERMISSIBLE SHAFT RUNOUT TO BE .004 T.I.R.

GASKETS THROUGHOUT

| DASH NO. | "C" | "AG" | "AD" |
|----------|-------|-------|------|
| 850 | 18.24 | 10.65 | 5.98 |
| 900 | 18.74 | 11.15 | 6.48 |
| 950 | 19.24 | 11.65 | 6.98 |
| 1000 | 19.74 | 12.15 | 7.48 |
| 1050 | 20.24 | 12.65 | 7.98 |
| 1100 | 20.74 | 13.15 | 8.48 |
| 1150 | 21.24 | 13.65 | 8.98 |

| NO. | REVISION | BY & DATE | CHK | ANG | ±1/2" | FINISH | CAD FILE | SIZE | DRAWING NO. | REV. |
|--|---------------------------------------|--------------|-----|-------|--------|--------|----------|------|-------------|------|
| | | | | | | | | | | |
| 05 | ADDED EYEBOLT WARNING DECAL ECR 68275 | RDW 10/31/05 | KH | DEC. | INCHES | | | | | |
| 04 | 1.50 KEY WAS 1.75 PER ECR 81436 | RLW 6/16/04 | .X | ±.1 | | | | | | |
| 03 | ADDED "CE" DECAL PER ECR 83426 | RDW 4/26/04 | SW | .XX | ±.03 | | | | | |
| 02 | REDESIGNED DRIP COVER | RDW 6/4/03 | SW | .XXX | ±.005 | | | | | |
| 01 | ADDED WARNING DECAL (139016) | MGM 2/6/03 | KH | .XXXX | ±.0005 | | | | | |
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| | | | | | | | DIST | | | |

| | | | |
|---------------------------------|--|-------------|-------------|
| MARATHON ELECTRIC | | DRAWN | LST 1/22/03 |
| TITLE | | CHK | |
| OUTLINE-- 180JM FRAME | | APPD | RW 1/23/03 |
| DRIP PROOF-- "C" FACE-- JM PUMP | | SCALE | 1=2 |
| MAT'L | | REF | 035449 |
| FINISH | | FMF | 139026 |
| CAD FILE | | PREV | |
| 035456 | | SIZE | B |
| 035456 | | DRAWING NO. | 035456 |
| | | REV. | 05 |

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS



| VOLTAGE | L1 | L2 | L3 | JOIN & INSULATE |
|---------|-------|-------|-------|-------------------------------|
| HIGH | T1 | T2 | T3 | (T4,T7) (T5,T8) (T6,T9) |
| LOW | T1,T7 | T2,T8 | T3,T9 | T4,T5,T6 |

| | | | | | | | | | | |
|--|----------|-----------|--------------|--------------------------------|---------------------|---|-----------|----------------------------|--|------|
| | | | | TOLERANCES UNLESS SPECIFIED | |  | | DRAWN RDW 04/12/02 | | |
| | | | | DEC. | INCHES | | | CHK | | |
| | | | | .X | ±.1 | | | APPD | | |
| | | | | .XX | ±.01 | TITLE EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR | | SCALE 1=1 | | |
| | | | | .XXX | ±.005 | | | REF FIG.2-51 | | |
| | | | | .XXXX | ±.0005 | MAT'L. DECAL - 004014 | | FMF | | |
| NO. | REVISION | BY & DATE | CHK | ANG | ±1/2" | FINISH | | PREV | | |
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| | | | DIST | | | | | | | |