marathon®

# General Purpose Motors

**Model No:** 131629.00
**Catalog No:** 131629.00

General Purpose Motor, 3 HP, 1 Ph, 60 Hz, 115/230 V, 1800 RPM, 184TC Frame, DP

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# Product Information Packet: Model No: 131629.00, Catalog No: 131629.00 General Purpose Motor, 3 HP, 1 Ph, 60 Hz, 115/230 V, 1800 RPM, 184TC Frame, DP

## Nameplate Specifications

| | | | |
|---|---|---|---|
| Phase | **1** | Output HP | **3 Hp** |
| Output KW | **2.2 kW** | Voltage | **115/230 V** |
| Speed | **1740 r/min** | Synchronous RPM | **1800 r/min** |
| Service Factor | **1.15** | Frame | **184TC** |
| Enclosure | **Drip Proof** | Thermal Protection | **Manual** |
| Efficiency | **75.5 %** | Ambient Temperature | **40 °C** |
| Frequency | **60 Hz** | Current | **33.8/16.9 A** |
| Power Factor | **76** | Duty | **Continuous** |
| Insulation Class | **F** | Design Code | **L** |
| KVA Code | **J** | Drive End Bearing Size | **6206** |
| Opp Drive End Bearing Size | **6205** | UL | **Recognized** |
| CSA | **Y** | CE | **N** |
| IP Code | **22** | Number of Speeds | **1** |

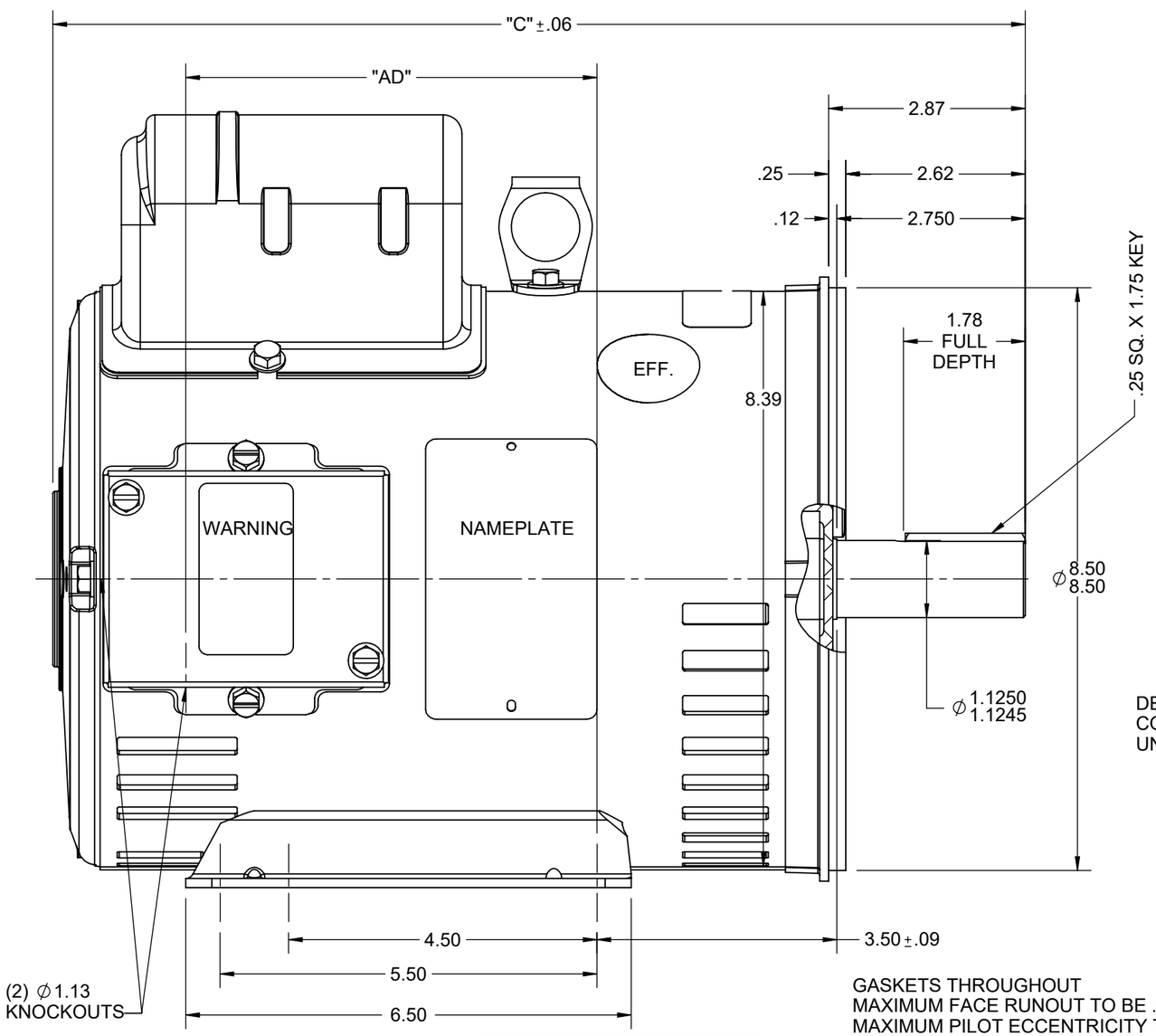
## Technical Specifications

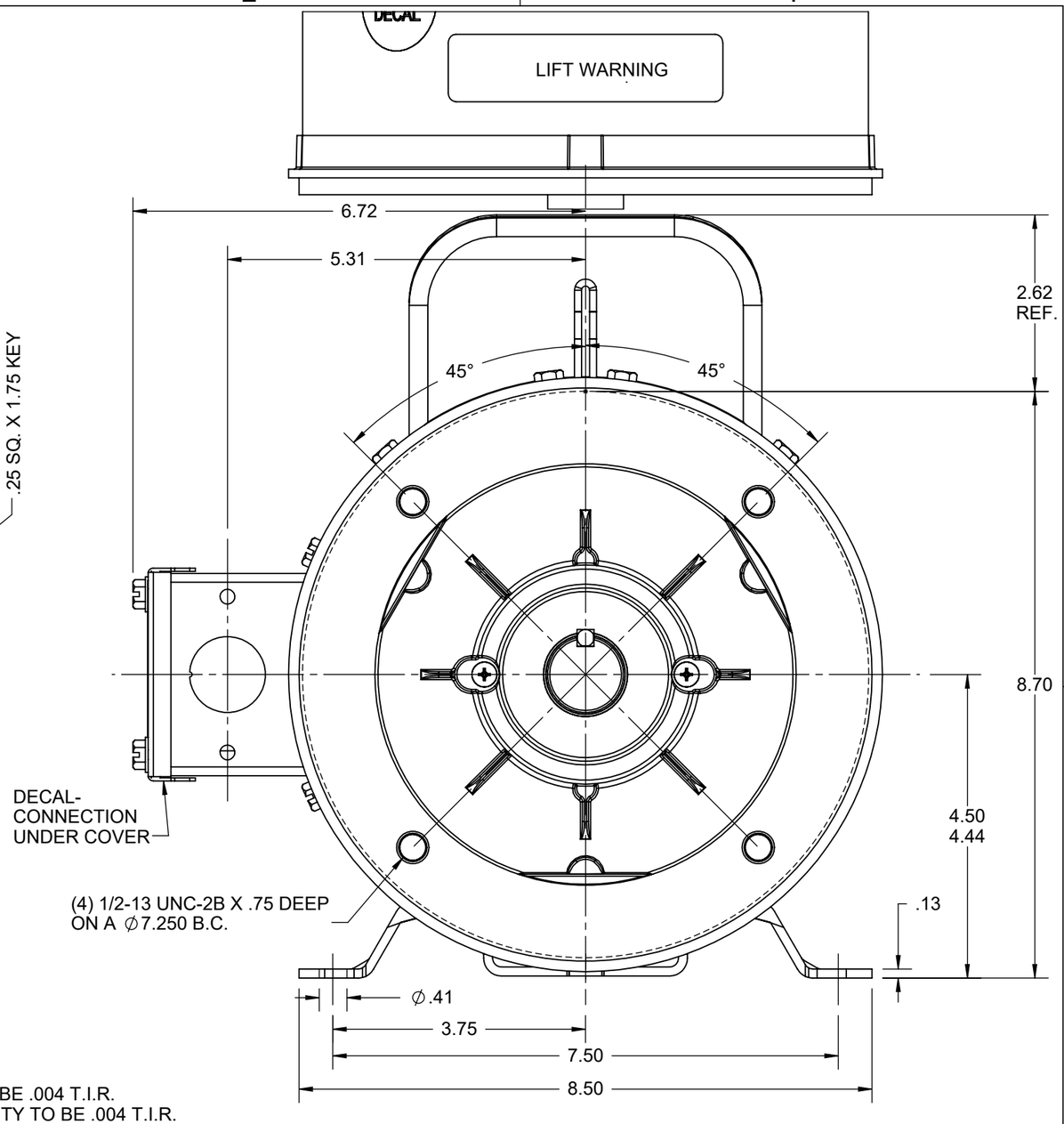
| | | | |
|---|---|---|---|
| Electrical Type | **Capacitor Start Induction Run** | Starting Method | **Across The Line** |
| Poles | **4** | Rotation | **Selective Counterclockwise** |
| Resistance Main | **.744 O** | Mounting | **Rigid Base** |
| Motor Orientation | **Horizontal** | Drive End Bearing | **Ball** |
| Opp Drive End Bearing | **Ball** | Frame Material | **Rolled Steel** |
| Shaft Type | **T** | Overall Length | **14.2 in** |
| Frame Length | **10.0 in** | Shaft Diameter | **1 1/8 in** |
| Shaft Extension | **2.75 in** | Assembly/Box Mounting | **F1 Only** |

## Drawings

| | | | |
|---|---|---|---|
| Connection Drawing | **005067.02** | Outline Drawing | **035373-1000** |

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GASKETS THROUGHOUT
MAXIMUM FACE RUNOUT TO BE .004 T.I.R.
MAXIMUM PILOT ECCENTRICITY TO BE .004 T.I.R.
PERMISSIBLE SHAFT RUNOUT TO BE .002 T.I.R.

| DASH NO. | "C" | "AD" |
|---|---|---|
| 900 | 13.20 | 5.00 |
| 950 | 13.70 | 5.50 |
| 1000 | 14.20 | 6.00 |
| 1050 | 14.70 | 6.50 |
| 1100 | 15.20 | 7.00 |
| 1150 | 15.70 | 7.50 |
| 1200 | 16.20 | 8.00 |
| 1250 | 16.70 | 8.50 |

| DRAWING REVISION | REVISION BY | REV DATE/© DATE |
|---|---|---|
| E | SB | 08/28/2025 |
| REQUEST NUMBER | APPROVED BY | DATE |
| CR-0023556 | SBD | 08/28/2025 |

REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK UPDATED

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TOLERANCES (EXCEPT AS NOTED):

| DEC. | INCH | mm | ANGLE |
|---|---|---|---|
| .X | ±0.1 | [±3] | ±7' 30" |
| .XX | ±0.03 | [±0.8] | |
| .XXX | ±0.005 | [±0.13] | |
| .XXXX | ±0.0005 | [±0.013] | |

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45°
CORNER FILLETS: R.02 [.5]
MACHINED SURFACES: 200 INCH / 5.1 mm
mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY

| | |
|---|---|
| DRAWN BY | PG |
| DATE | 10/3/97 |
| APPROVED BY | |
| DATE | |
| REFERENCE | 035059 |
| THIRD ANGLE PROJECTION | |

marathon™

DESCRIPTION
OUTLINE
180TC FRAME - DRIP PROOF - RIGID "C" FACE

MATERIAL | PROCESS/FINISH

| SIZE | DRAWING NUMBER | SHEET |
|---|---|---|
| B | 035373 | 1 OF 1 |