marathon®

# General Purpose Motors

**Model No:** 182TTFBD6079
**Catalog No:** GT1305A

General Purpose Motor, 1.50 & 1 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1200 RPM, 182TC Frame, TEFC

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## Product Information Packet: Model No: 182TTFBD6079, Catalog No: GT1305A General Purpose Motor, 1.50 & 1 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1200 RPM, 182TC Frame, TEFC

### Nameplate Specifications

| | | | |
|---|---|---|---|
| Phase | **3** | Output HP | **1.50 & 1 Hp** |
| Output KW | **1.1 & 0.75 kW** | Voltage | **230/460 & 190/380 V** |
| Speed | **1175 & 980 r/min** | Synchronous RPM | **1200 & 1000 r/min** |
| Service Factor | **1.15 & 1.15** | Frame | **182TC** |
| Enclosure | **Totally Enclosed Fan Cooled** | Thermal Protection | **No Protection** |
| Efficiency | **87.5 & 82.5 %** | Ambient Temperature | **40 °C** |
| Frequency | **60 & 50 Hz** | Current | **4.6/2.3 & 4.5/2.25 A** |
| Power Factor | **70** | Duty | **Continuous** |
| Insulation Class | **F** | Design Code | **A** |
| KVA Code | **N** | Drive End Bearing Size | **6206** |
| Opp Drive End Bearing Size | **6205** | UL | **Listed** |
| CSA | **Y** | CE | **Y** |
| IP Code | **43** | Number of Speeds | **1** |
| Hazardous Location | **DIVISION 2 T2B** | | |

### Technical Specifications

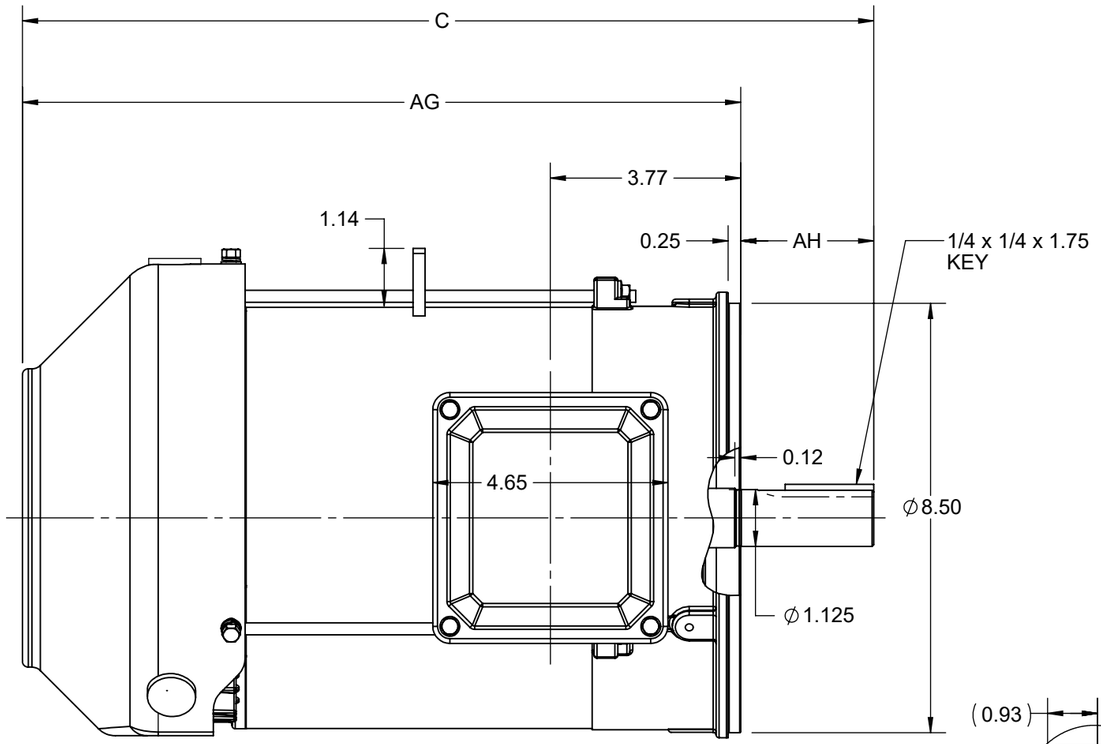
| | | | |
|---|---|---|---|
| Electrical Type | **Squirrel Cage Inverter Rated** | Starting Method | **Line Or Inverter** |
| Poles | **6** | Rotation | **Reversible** |
| Resistance Main | **6.995 O** | Mounting | **Round** |
| Motor Orientation | **Horizontal** | Drive End Bearing | **Ball** |
| Opp Drive End Bearing | **Ball** | Frame Material | **Rolled Steel** |
| Shaft Type | **T** | Overall Length | **15.85 in** |
| Frame Length | **5.85 in** | Shaft Diameter | **1.125 in** |
| Shaft Extension | **2.75 in** | Assembly/Box Mounting | **F1/F2 Capable** |
| Inverter Load | **Constant 10:1/Variable 10:1** | | |

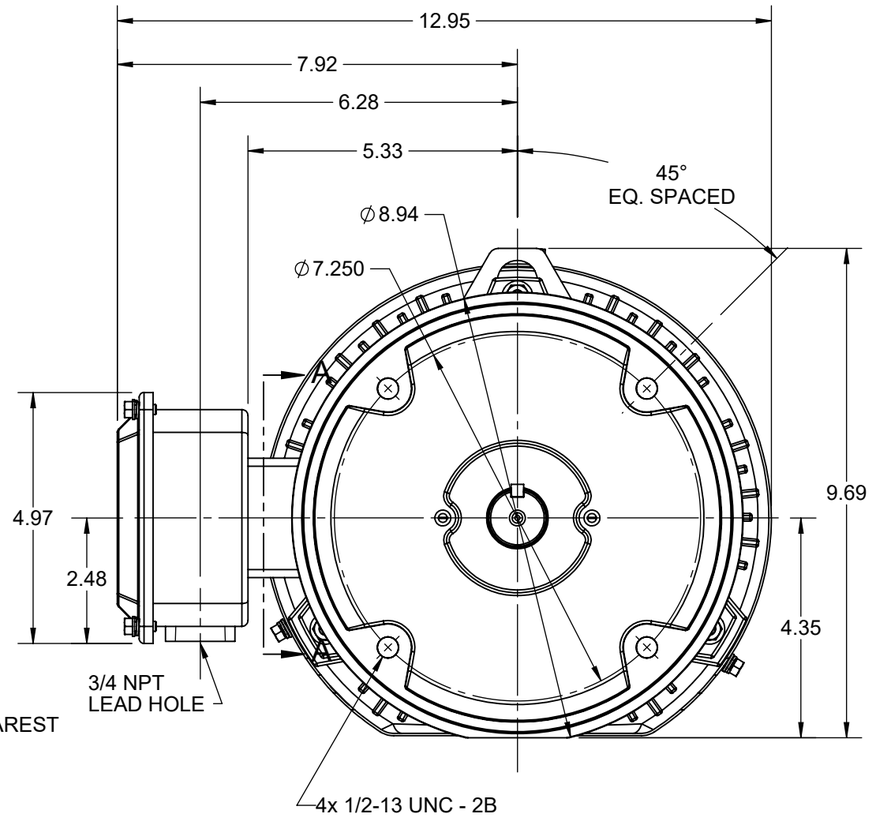
### Drawings

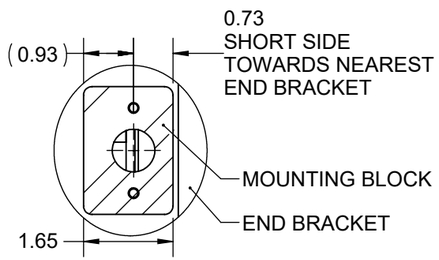
| | | | |
|---|---|---|---|
| Connection Drawing | **EE7308** | Outline Drawing | **SS600201-100** |

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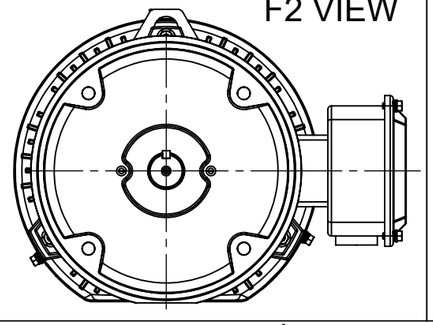
| DASH NO. | C | AG | AH | MOUNTING | FRAME |
|---|---|---|---|---|---|
| 100 | 15.85 | 13.22 | 2.62 | F1 OR F2 | 182TC |
| 200 | 16.85 | 14.22 | | | 184TC |




SECTION A-A
MOUNTING BLOCK
ORIENTATION




| | | |
|---|---|---|
| DRAWING REVISION: E | REVISION BY: SB | REV DATE/© DATE: 07/23/2025 |
| REQUEST NUMBER: CR-0023556 | APPROVED BY: SBD | DATE: 07/23/2025 |
| REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED | | |

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| | | |
|---|---|---|
| DRAWN BY: PRIYA | marathon™ | |
| DATE: 08/03/2018 | DESCRIPTION: OUTLINE<br>182/184TC FR TEFC RS, FOOTLESS | |
| APPROVED BY: SBD | | |
| DATE: 08/03/2018 | | |
| REFERENCE | MATERIAL | PROCESS/FINISH |
| THIRD ANGLE PROJECTION | SIZE: B / DRAWING NUMBER: SS600201 | SHEET: 1 OF 1 |

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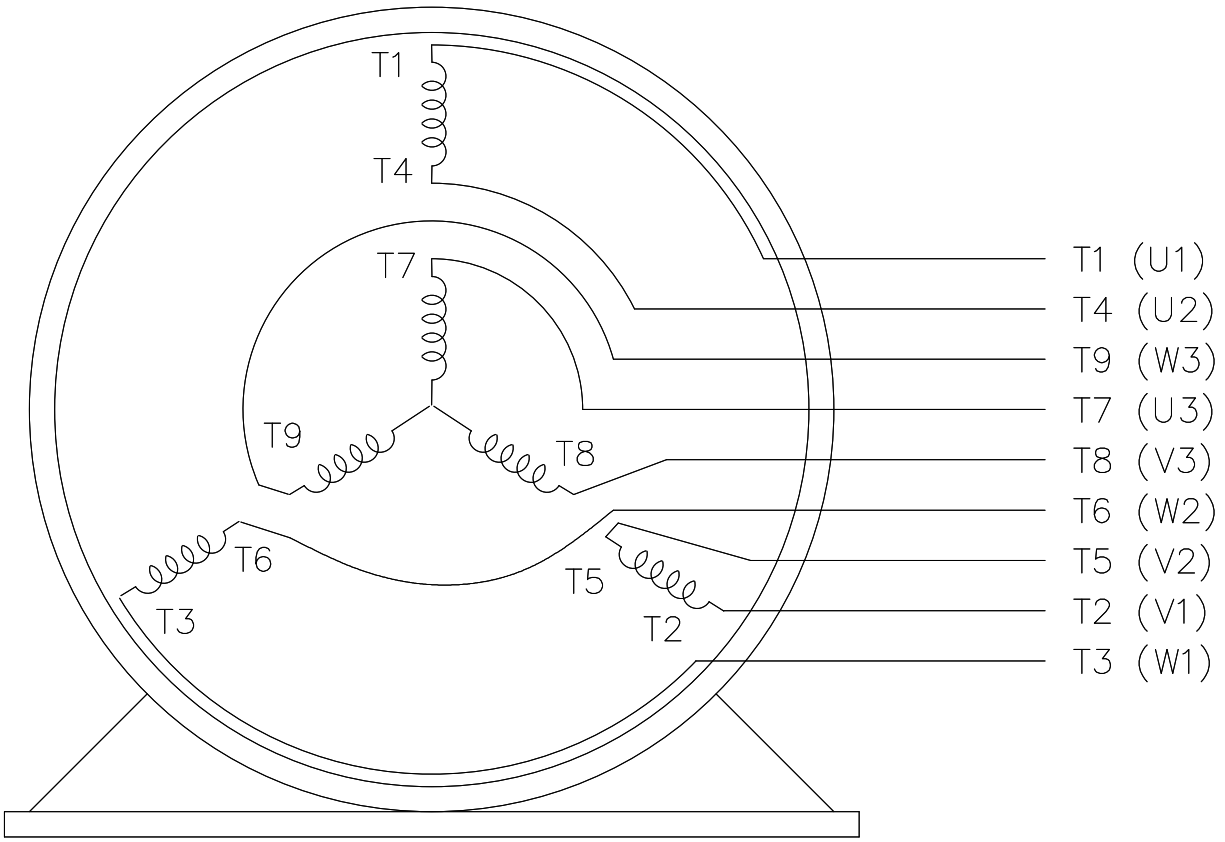
# THREE PHASE
# DUAL VOLTAGE MOTOR

## HIGH VOLTAGE

(U1) T1 — L1
(V1) T2 — L2
(W1) T3 — L3
(U2) T4
(U3) T7
(V2) T5
(V3) T8
(W2) T6
(W3) T9

## LOW VOLTAGE

(U1) T1
(U3) T7 — L1
(V1) T2
(V3) T8 — L2
(W1) T3
(W3) T9 — L3
(U2) T4
(V2) T5
(W2) T6




VIEW OF TERMINAL END

REF.
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G
T6BZ, T2B, T6BL, T4AV, T6B, T4B

## OPTIONAL CORD CONNECTION

L1 — WHITE
L2 — RED
L3 — BLACK

| DRAWING REVISION | REVISION BY | REV DATE/ © DATE |
|---|---|---|
| J | SB | 08/01/2025 |
| REQUEST NUMBER | APPROVED BY | DATE |
| CR-0023654 | SBD | 08/01/2025 |

REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK UPDATED

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| DRAWN BY | RM |
|---|---|
| DATE | 11/20/1990 |
| APPROVED BY | SAS |
| DATE | 04/24/2003 |
| REFERENCE | |
| THIRD ANGLE PROJECTION | |

marathon™

DESCRIPTION
CONN DIAGRAM-EXTERNAL
3Ø - DUAL VOLTAGE MOTOR

| MATERIAL | PROCESS/FINISH |
|---|---|
| | |

| SIZE | DRAWING NUMBER | SHEET |
|---|---|---|
| A | 4 of 4 EE7308 | 1 OF 1 |