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# General Purpose Motors

**Model No:** 182TTFBD6035
**Catalog No:** GT12310

General Purpose Motor, 3 & 3 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 182TC Frame, TEFC

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## Product Information Packet: Model No: 182TTFBD6035, Catalog No: GT12310 General Purpose Motor, 3 & 3 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 182TC Frame, TEFC

### Nameplate Specifications

| | | | |
|---|---|---|---|
| Phase | **3** | Output HP | **3 & 3 Hp** |
| Output KW | **2.2 & 2.2 kW** | Voltage | **230/460 & 190/380 V** |
| Speed | **1765 & 1455 r/min** | Synchronous RPM | **1800 & 1500 r/min** |
| Service Factor | **1.15 & 1.15** | Frame | **182TC** |
| Enclosure | **Totally Enclosed Fan Cooled** | Thermal Protection | **No Protection** |
| Efficiency | **89.5 & 86.2 %** | Ambient Temperature | **40 °C** |
| Frequency | **60 & 50 Hz** | Current | **8.6/4.3 & 9.8/4.9 A** |
| Power Factor | **74.2** | Duty | **Continuous** |
| Insulation Class | **F** | Design Code | **A** |
| KVA Code | **K** | 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 | **4** | Rotation | **Reversible** |
| Resistance Main | **4.473 O** | Mounting | **Rigid Base** |
| Motor Orientation | **Horizontal** | Drive End Bearing | **Ball** |
| Opp Drive End Bearing | **Ball** | Frame Material | **Rolled Steel** |
| Shaft Type | **T** | Assembly/Box Mounting | **F3** |
| Inverter Load | **Constant 10:1/Variable 10:1** | | |

### Drawings

| | | | |
|---|---|---|---|
| Connection Drawing | **EE7308** | Outline Drawing | **TBD** |

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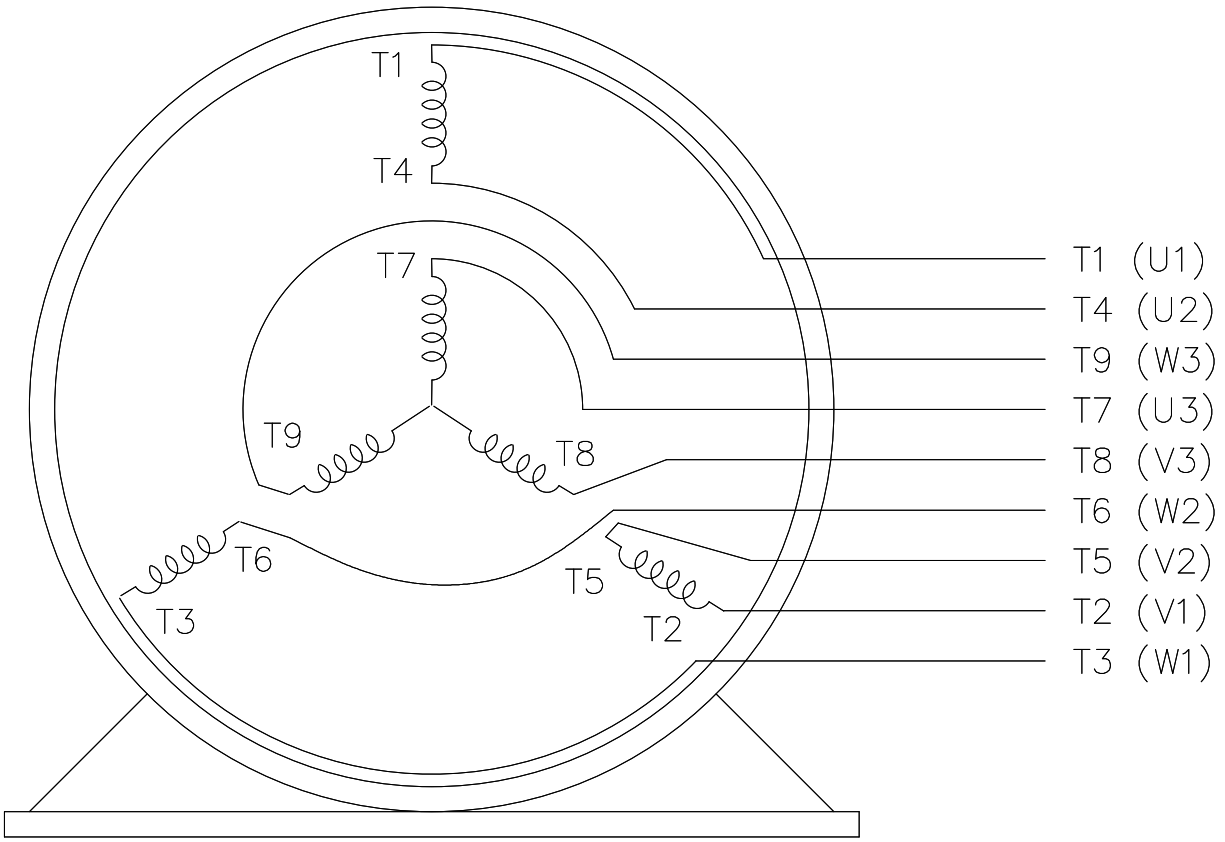
# THREE PHASE
# DUAL VOLTAGE MOTOR

## 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 | 3 of 3 EE7308 | 1 OF 1 |