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# General Purpose Motors

**Model No:** 184TTFCD6026
**Catalog No:** GT1013A

General Purpose Motor, 5 & 3 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 184T Frame, TEFC

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## Product Information Packet: Model No: 184TTFCD6026, Catalog No: GT1013A  General Purpose Motor, 5 & 3 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 184T Frame, TEFC

### Nameplate Specifications

| | | | |
|---|---|---|---|
| Phase | **3** | Output HP | **5 & 3 Hp** |
| Output KW | **3.7 & 2.2 kW** | Voltage | **230/460 & 190/380 V** |
| Speed | **1755 & 1468 r/min** | Synchronous RPM | **1800 & 1500 r/min** |
| Service Factor | **1.15 & 1.15** | Frame | **184T** |
| Enclosure | **Totally Enclosed Fan Cooled** | Thermal Protection | **No Protection** |
| Efficiency | **89.5 & 87.5 %** | Ambient Temperature | **40 °C** |
| Frequency | **60 & 50 Hz** | Current | **13.6/6.8 & 10.9/5.45 A** |
| Power Factor | **78.5** | Duty | **Continuous** |
| Insulation Class | **F** | Design Code | **A** |
| KVA Code | **J** | Drive End Bearing Size | **6206** |
| Opp Drive End Bearing Size | **6205** | UL | **Listed** |
| CSA | **Y** | CE | **Y** |
| IP Code | **55** | Number of Speeds | **1** |
| Hazardous Location | **DIVISION 2 T2B** | | |

### Technical Specifications

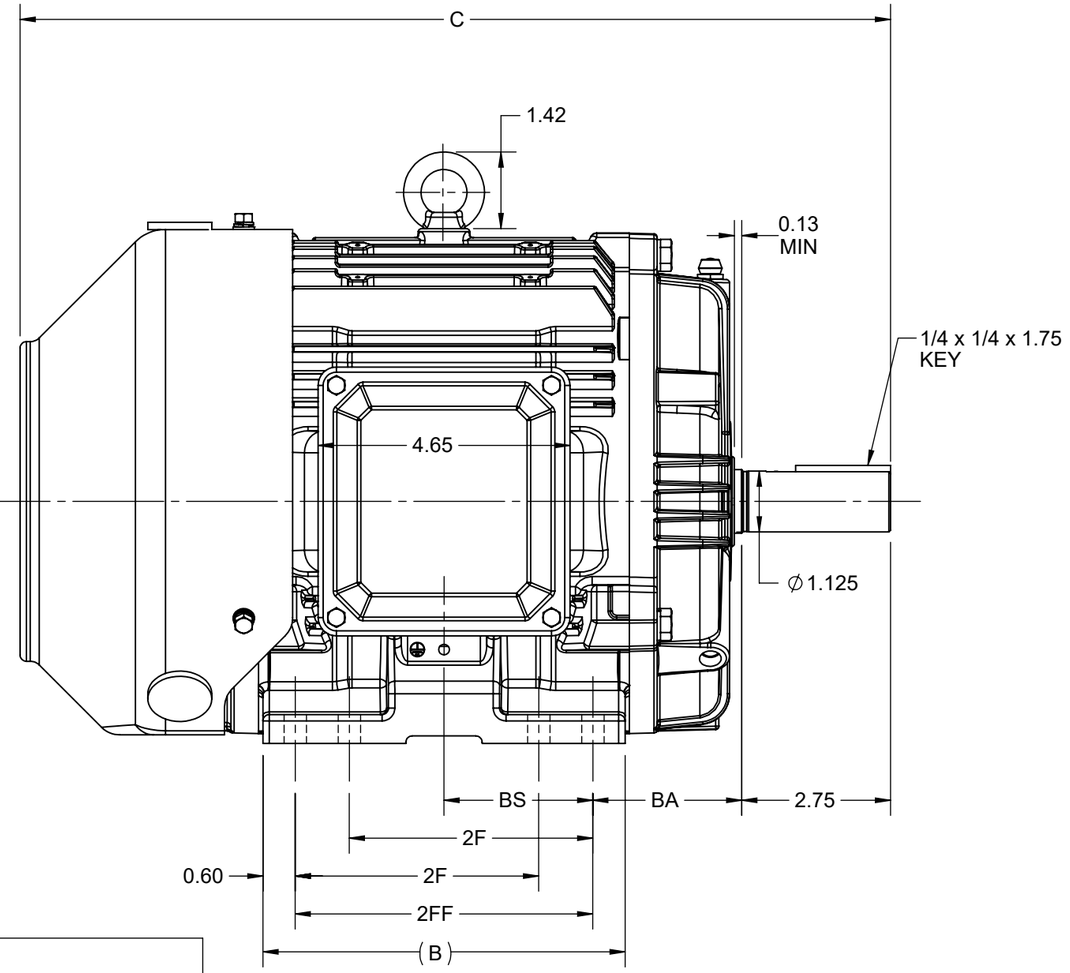
| | | | |
|---|---|---|---|
| Electrical Type | **Squirrel Cage Inverter Rated** | Starting Method | **Line Or Inverter** |
| Poles | **4** | Rotation | **Reversible** |
| Resistance Main | **2.685 O** | Mounting | **Rigid Base** |
| Motor Orientation | **Horizontal** | Drive End Bearing | **Ball** |
| Opp Drive End Bearing | **Ball** | Frame Material | **Cast Iron** |
| Shaft Type | **T** | Overall Length | **16.08 in** |
| Frame Length | **6.85 in** | Shaft Diameter | **1.125 in** |
| Shaft Extension | **2.75 in** | Assembly/Box Mounting | **F1/F2 Capable** |
| Inverter Load | **Constant 2:1/Variable 10:1** | | |

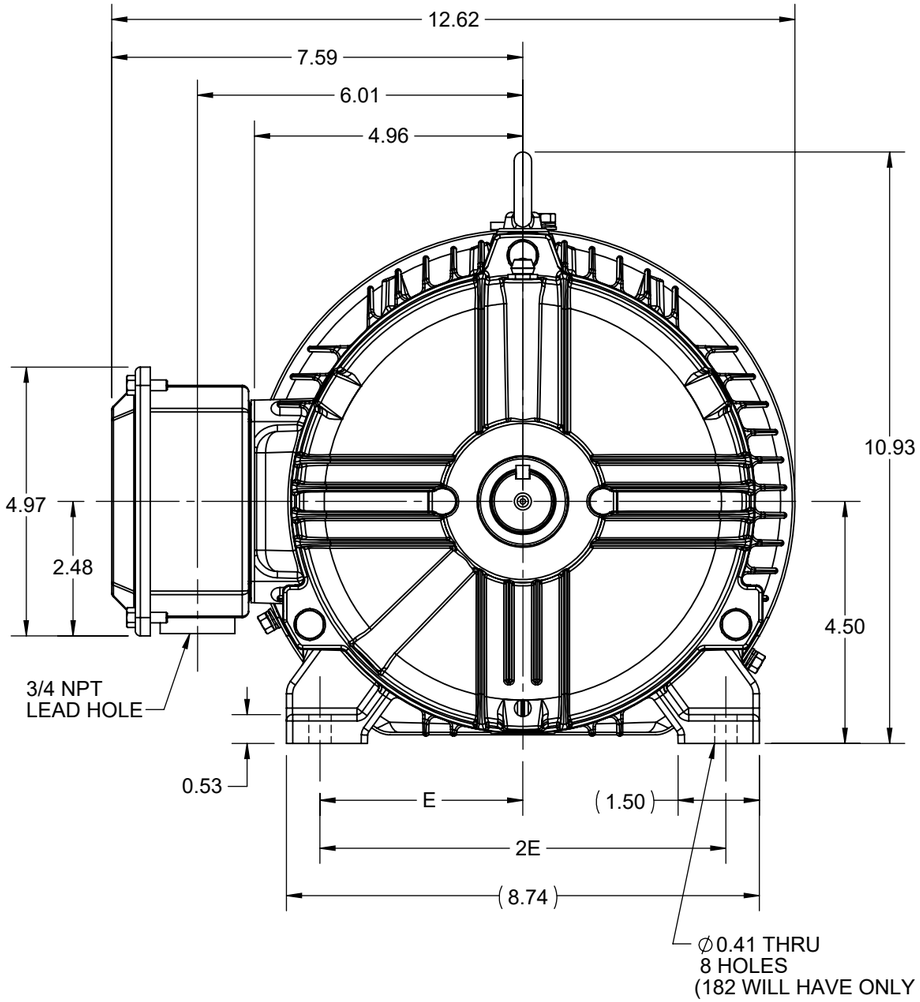
### Drawings

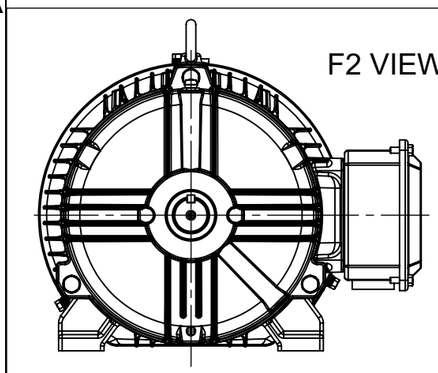
| | | | |
|---|---|---|---|
| Connection Drawing | **EE7308** | Outline Drawing | **SS620855-200** |

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| DASH NO. | B | C | E | 2E | 2F | 2FF | BA | BS | MOUNTING | FRAME |
|---|---|---|---|---|---|---|---|---|---|---|
| 100 | 5.67 | 15.08 | 3.75 | 7.50 | - | 4.50 | 2.75 | 2.35 | F1 OR F2 | 182T |
| 200 | 6.69 | 16.08 | | | 4.50 | 5.50 | | 2.75 | | 182/184T |




| | | |
|---|---|---|
| DRAWING REVISION: C | REVISION BY: SB | REV DATE/© DATE: 08/08/2025 |
| REQUEST NUMBER: CR-0023556 | APPROVED BY: SBD | DATE: 08/08/2025 |
| REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED | | |

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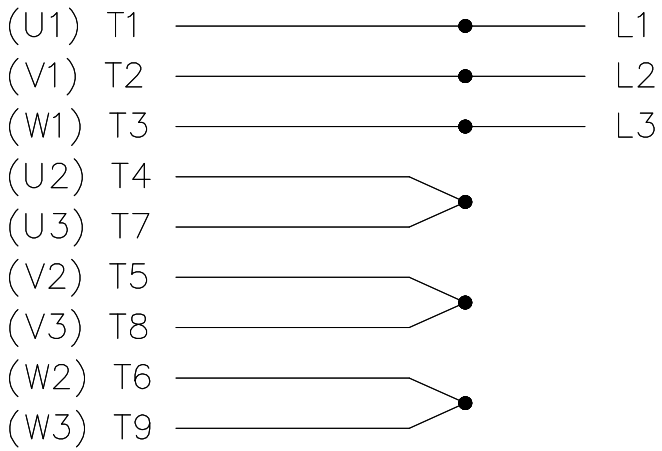
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| | | |
|---|---|---|
| DRAWN BY: WZ | marathon™ | |
| DATE: 08/11/2017 | DESCRIPTION: OUTLINE<br>182/184T FR-NEMA TEFC CAST IRON | |
| APPROVED BY: WY | | |
| DATE: 08/11/2017 | | |
| REFERENCE | MATERIAL | PROCESS/FINISH |
| THIRD ANGLE PROJECTION | SIZE: B / DRAWING NUMBER: SS620855 | SHEET: 1 OF 1 |

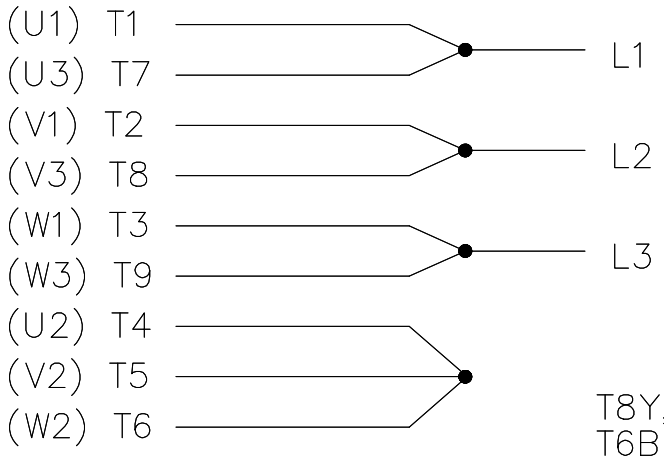
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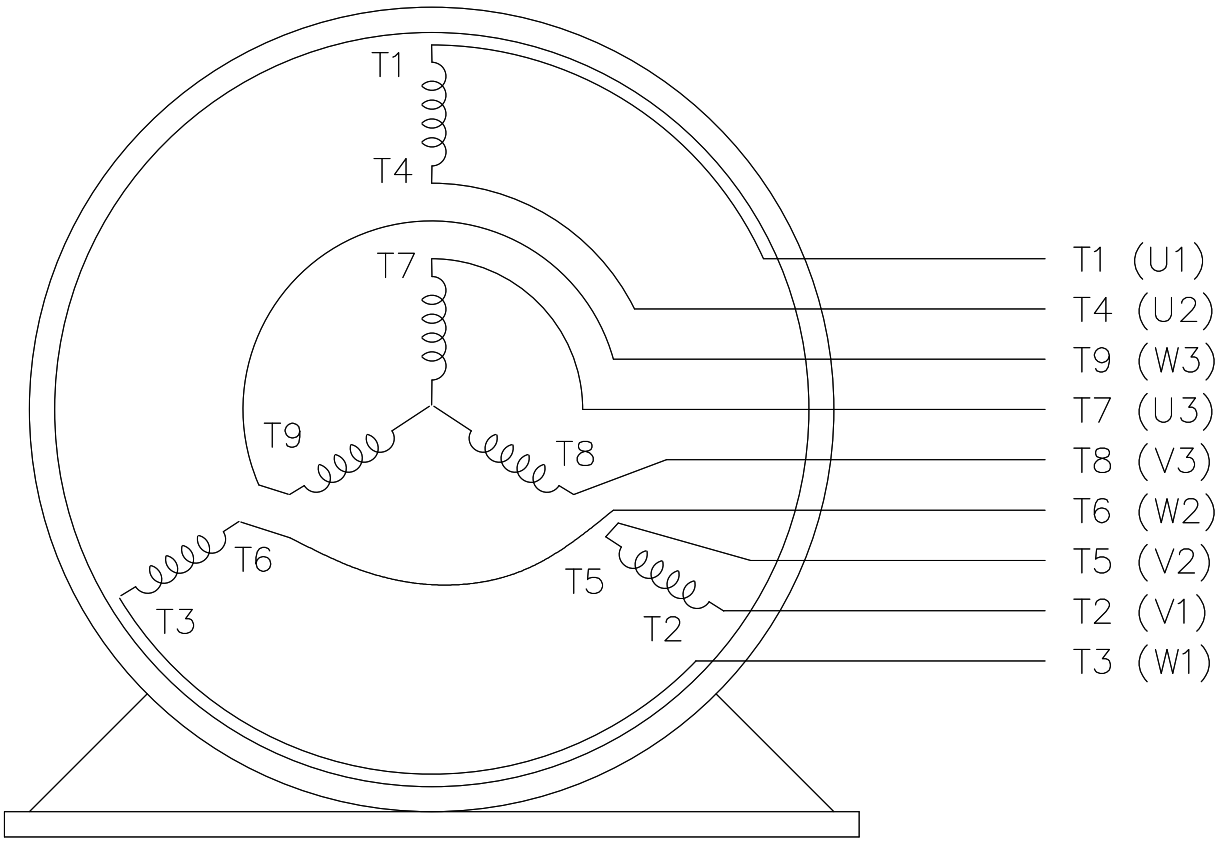
# THREE PHASE
# DUAL VOLTAGE MOTOR

## HIGH VOLTAGE




## LOW VOLTAGE




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

REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK UPDATED

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ARE FOR REFERENCE ONLY

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

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DESCRIPTION
CONN DIAGRAM-EXTERNAL
3Ø - DUAL VOLTAGE MOTOR

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

| SIZE | DRAWING NUMBER | SHEET |
|---|---|---|
| A | 4 of 5 EE7308 | 1 OF 1 |

# Data Sheet

Date: 11/18/2022
Customer:
Attention:
Submitted by:

184TTFCD6026

Submittal

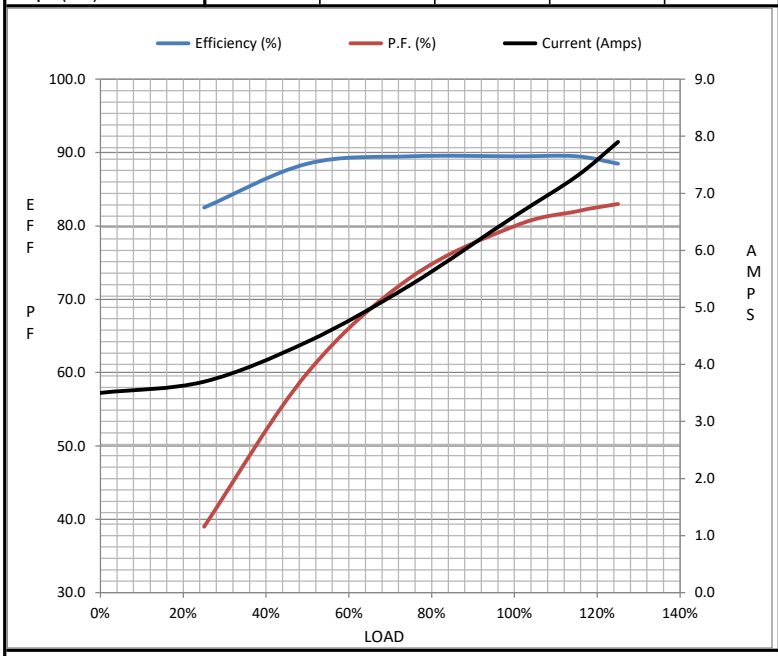
Data @ 460 V

## Motor Load Data

| Load | 0% | 25% | 50% | 75% | 100% | 115% | 125% | LR | |
|---|---|---|---|---|---|---|---|---|---|
| Current (Amps) | 3.5 | 3.7 | 4.4 | 5.4 | 6.6 | 7.3 | 7.9 | 53.5 | |
| Torque (ft-lb) | 0.00 | 3.7 | 7.4 | 11.2 | 14.9 | 17.2 | 18.8 | 35.0 | |
| RPM | 1800 | 1790 | 1782 | 1775 | 1765 | 1,758 | 1754 | 0 | |
| Efficiency (%) | | 82.5 | 88.5 | 89.5 | 89.5 | 89.5 | 88.5 | | |
| P.F. (%) | 7.0 | 39.0 | 60.0 | 73.0 | 80.0 | 82.0 | 83.0 | 52.0 | |

## Motor Speed Data

| | LR | Pull-Up | BD | Rated | Idle |
|---|---|---|---|---|---|
| Speed (RPM) | 0 | 900 | 1675 | 1765 | 1800 |
| Current (Amps) | 53.5 | 45.0 | 29.0 | 6.6 | 3.5 |
| Torque (ft-lb) | 35.0 | 25.0 | 46.0 | 14.9 | 0.00 |




## Information Block

| | |
|---|---|
| HP | 5.0 |
| Sync. RPM | 1800 |
| Frame | 184 |
| Enclosure | TEFC |
| Construction | TFC |
| Voltage | 230/460#190/380 V |
| Frequency | 60 Hz |
| Design | B |
| LR Code letter | K |
| Service Factor | 1.15 |
| Temp Rise @ FL | 60 ° C |
| Duty | CONT |
| Ambient | 40 ° C |
| Elevation | 3,300 feet |
| Rotor/Shaft wk² | 0.39 Lb-Ft² |
| Ref Wdg | HA31124027 R1 |
| Sound Pressure @ 1M | 62 dBA |
| VFD Rating | CONSTANT 10:1/VARIABLE 10:1 |
| Outline Dwg | SS620855-200 |
| Conn. Diag | EE7308 |
| Additional Specifications: | |
| 0 | |
| 0 | |

EQUIV CKT (OHMS / PHASE)

| R1 | R2 | X1 | X2 | Xm |
|---|---|---|---|---|
| 1.5290 | 0.8740 | 3.2760 | 3.6040 | 76.2220 |

