marathon®

# Close-Coupled Pump Motors

**Model No:** 184TTDBD6085
**Catalog No:** GT2408A

Close-Coupled Pump Motor, 2 & 1.50 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1200 RPM, 184JP Frame, DP

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# Product Information Packet: Model No: 184TTDBD6085, Catalog No: GT2408A  Close-Coupled Pump Motor, 2 & 1.50 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1200 RPM, 184JP Frame, DP

## Nameplate Specifications

| | | | |
|---|---|---|---|
| Phase | **3** | Output HP | **2 & 1.50 Hp** |
| Output KW | **1.5 & 1.1 kW** | Voltage | **208-230/460 & 190/380 V** |
| Speed | **1175 & 980 r/min** | Synchronous RPM | **1200 & 1000 r/min** |
| Service Factor | **1.15 & 1.15** | Frame | **184JP** |
| Enclosure | **Drip Proof** | Thermal Protection | **No Protection** |
| Efficiency | **87.5 & 87 %** | Ambient Temperature | **40 °C** |
| Frequency | **60 & 50 Hz** | Current | **6.4-6/3 & 5.4/2.7 A** |
| Power Factor | **70** | Duty | **Continuous** |
| Insulation Class | **F** | Design Code | **B** |
| KVA Code | **L** | Drive End Bearing Size | **6307** |
| Opp Drive End Bearing Size | **6205** | UL | **Recognized** |
| CSA | **Y** | CE | **Y** |
| IP Code | **22** | Number of Speeds | **1** |

## Technical Specifications

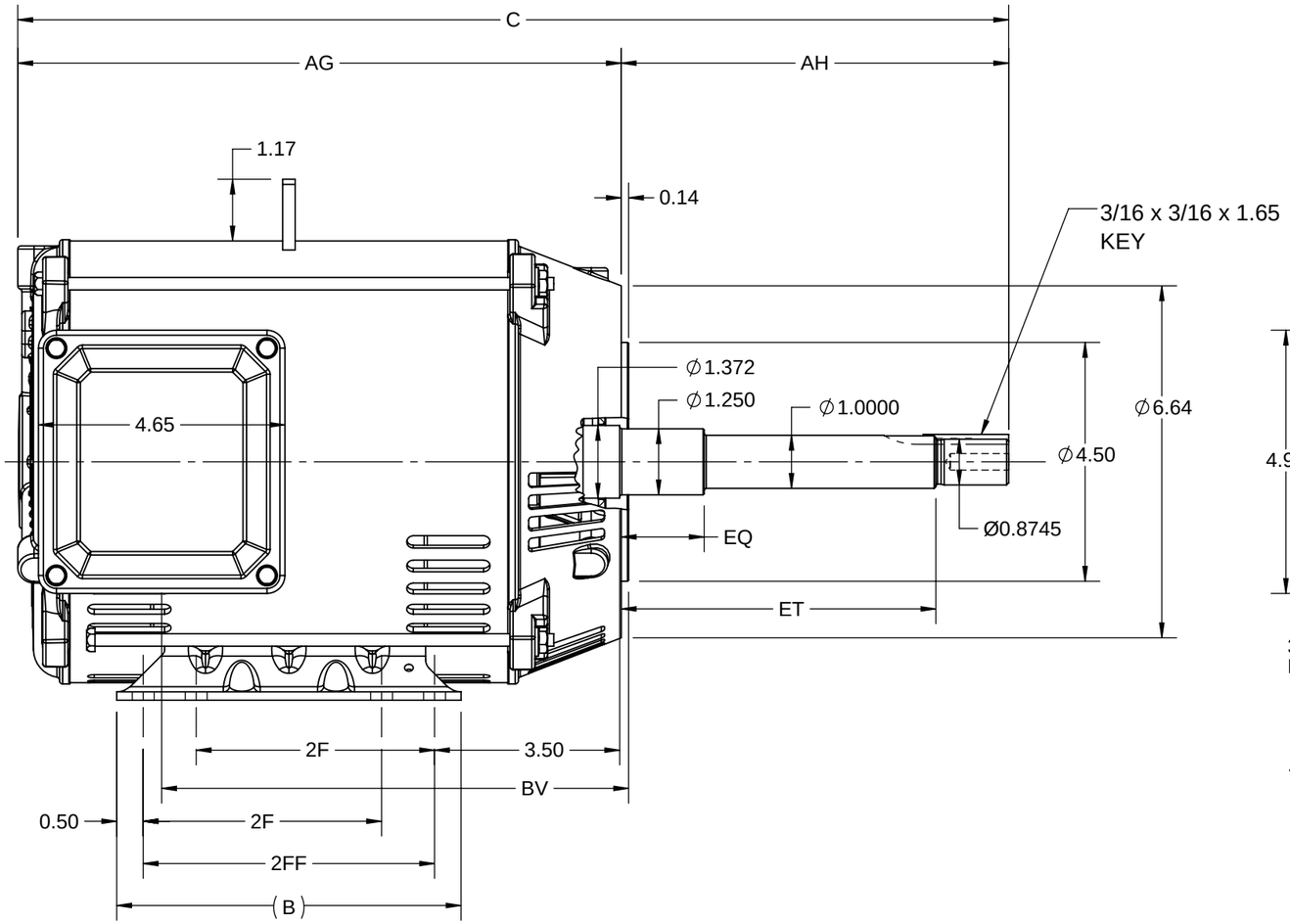
| | | | |
|---|---|---|---|
| Electrical Type | **Squirrel Cage Inverter Rated** | Starting Method | **Line Or Inverter** |
| Poles | **6** | Rotation | **Reversible** |
| Resistance Main | **5.9 O** | Mounting | **Rigid Base** |
| Motor Orientation | **Horizontal** | Drive End Bearing | **Ball** |
| Opp Drive End Bearing | **Ball** | Frame Material | **Rolled Steel** |
| Shaft Type | **JP** | Shaft Diameter | **1.25 in** |
| Assembly/Box Mounting | **F1/F2 Capable** | Inverter Load | **Constant 2:1/Variable 10:1** |

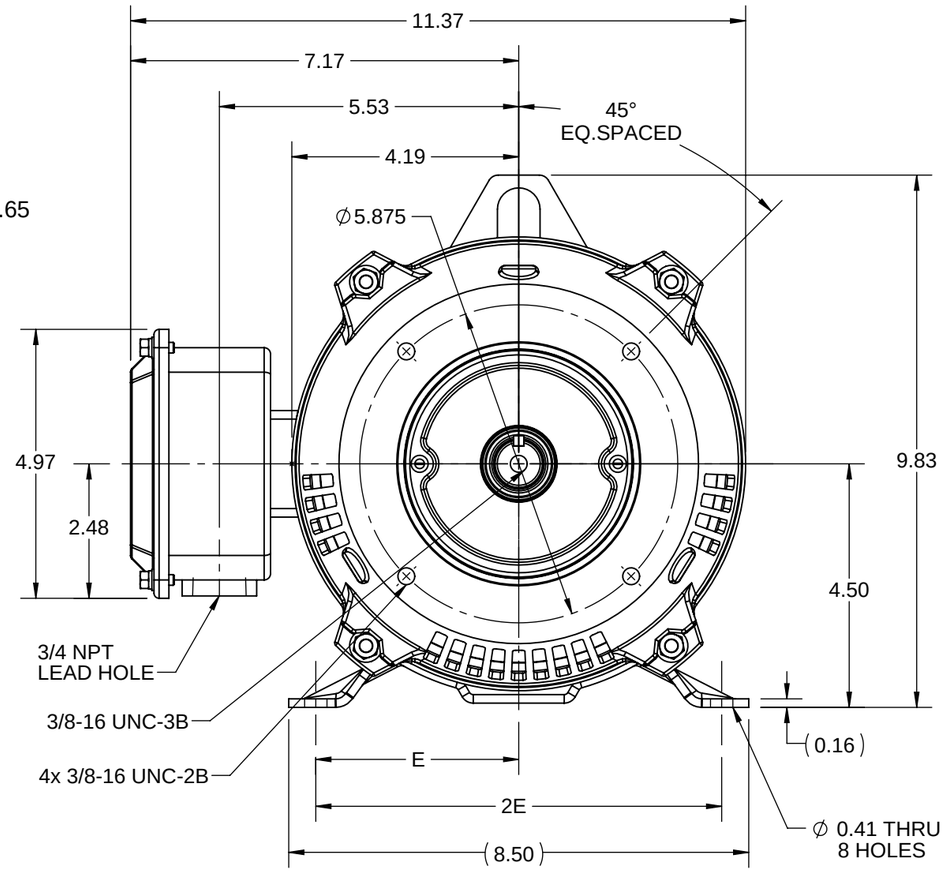
## Drawings

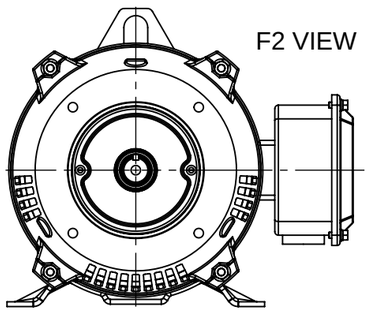
| | | | |
|---|---|---|---|
| Connection Drawing | **EE7308** | Outline Drawing | **SS600205-200** |

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| DASH NO. | B | C | E | 2E | 2F | 2FF | AG | AH | BV | EQ | ET | MOUNTING | FRAME |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | 6.50 | 17.70 | 3.75 | 7.50 | 4.50 | 5.50 | 10.39 | 7.31 | 8.81 | 1.56 | 5.93 | F1 OR F2 | 182JP |
| 200 | | 18.70 | | | | | 11.39 | | | | | | 184JP |




| | | |
|---|---|---|
| DRAWING REVISION: C | REVISION BY: SB | REV DATE/© DATE: 05/21/2026 |
| REQUEST NUMBER: CR-0026353 | APPROVED BY: RMS | DATE: 05/21/2026 |
| REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED | | |

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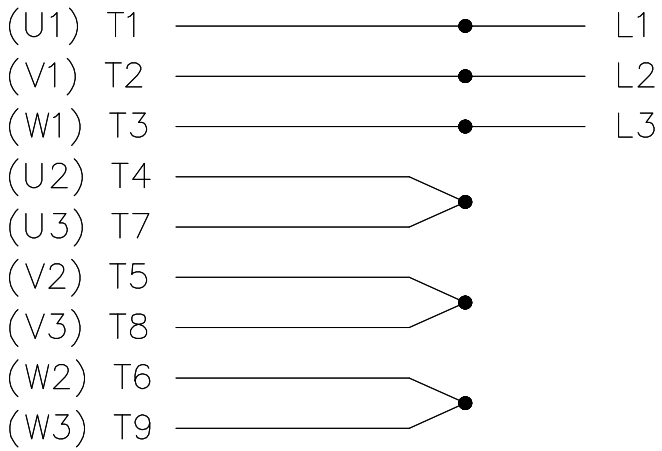
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| | | |
|---|---|---|
| DRAWN BY: MSH | marathon™ | |
| DATE: 18/04/2018 | | |
| APPROVED BY: SBD | DESCRIPTION: OUTLINE<br>182/184JP FR-NEMA-ODP-RS | |
| DATE: 18/04/2018 | | |
| REFERENCE | MATERIAL | PROCESS/FINISH |
| THIRD ANGLE PROJECTION | SIZE: B / DRAWING NUMBER: SS600205 | SHEET: 1 OF 1 |

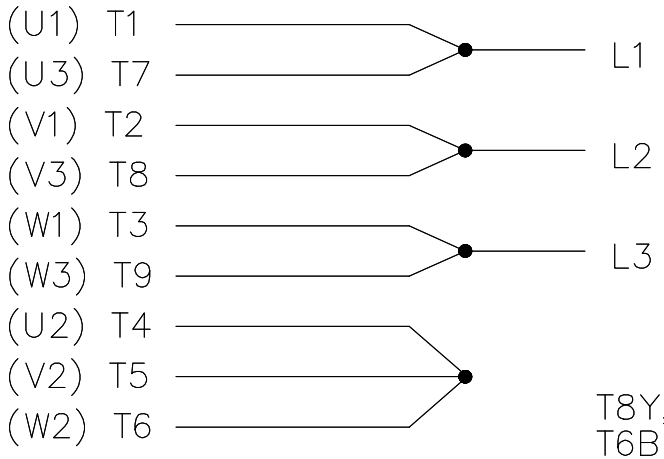
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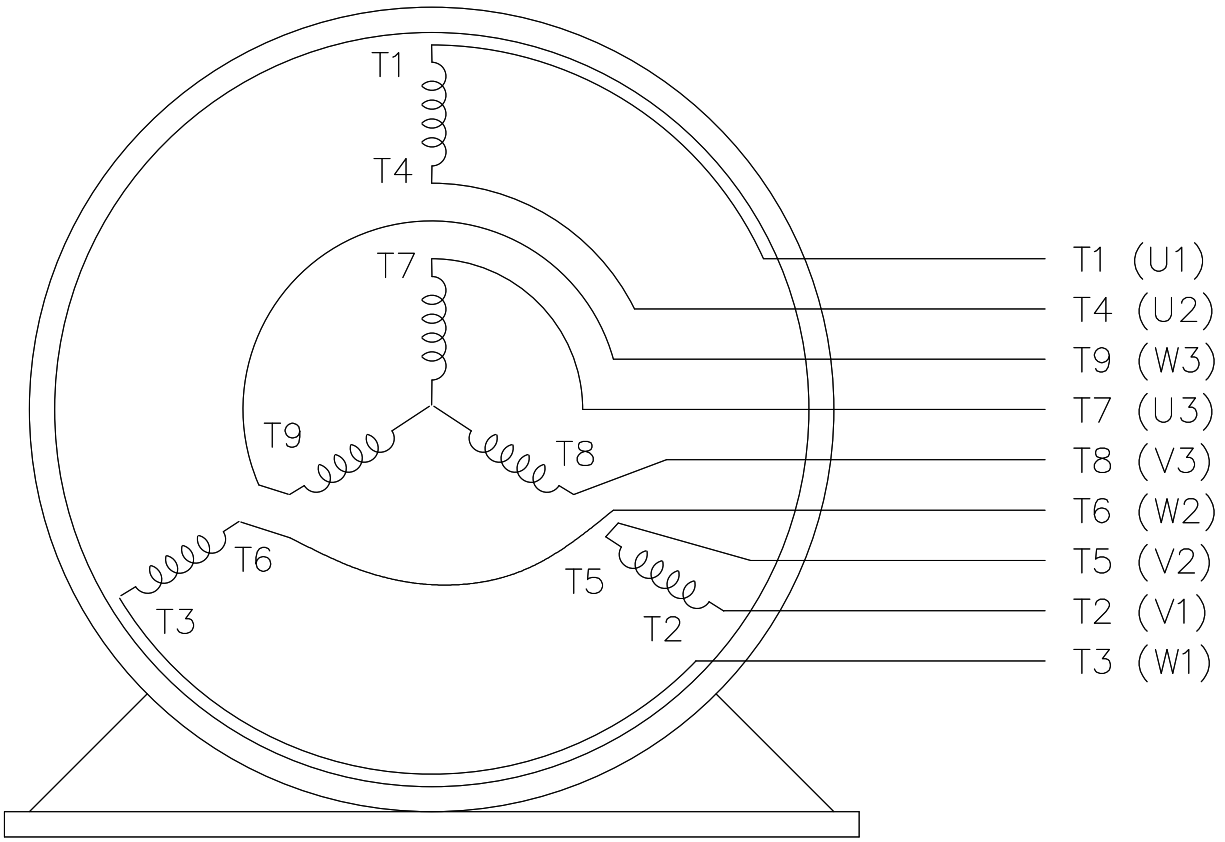
# THREE PHASE
# DUAL VOLTAGE MOTOR

## 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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| | |
|---|---|
| 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 5 EE7308 | 1 OF 1 |

# Data Sheet

Date: 12/2/2021
Customer:
Attention:
Submitted by:

marathon® Motors

184TTDBD6085

**Submittal**

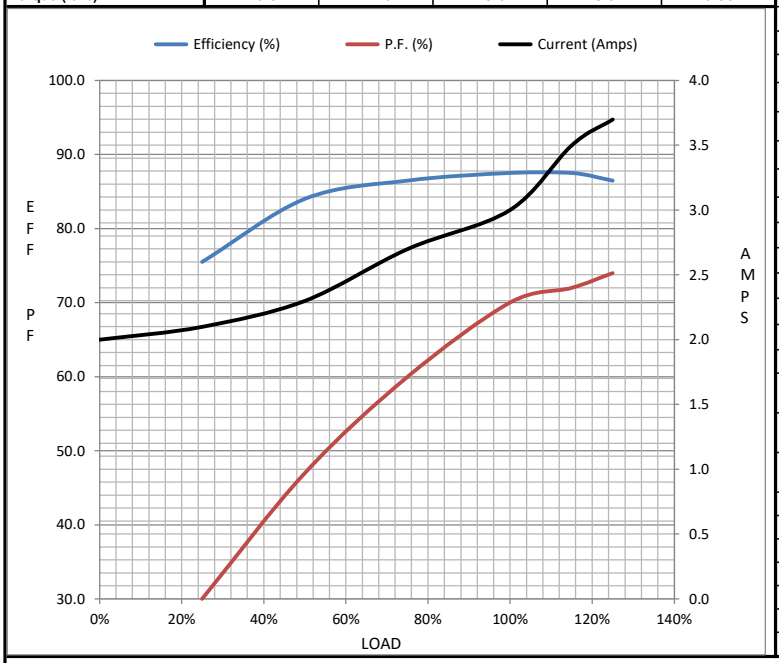
Data @ 460 V

## Motor Load Data

| Load | 0% | 25% | 50% | 75% | 100% | 115% | 125% | LR | |
|---|---|---|---|---|---|---|---|---|---|
| Current (Amps) | 2.00 | 2.10 | 2.30 | 2.70 | 3.0 | 3.5 | 3.7 | 26.0 | |
| Torque (ft-lb) | 0.00 | 2.20 | 4.4 | 6.7 | 8.9 | 10.3 | 11.2 | 20.0 | |
| RPM | 1200 | 1195 | 1190 | 1185 | 1175 | 1,170 | 1165 | 0 | |
| Efficiency (%) | | 75.5 | 84.0 | 86.5 | 87.5 | 87.5 | 86.5 | | |
| P.F. (%) | 7.5 | 30.0 | 47.0 | 60.0 | 70.0 | 72.0 | 74.0 | 51.0 | |

## Motor Speed Data

| | LR | Pull-Up | BD | Rated | Idle |
|---|---|---|---|---|---|
| Speed (RPM) | 0 | 600 | 970 | 1175 | 1200 |
| Current (Amps) | 26.0 | 23.0 | 14.0 | 3.0 | 2.00 |
| Torque (ft-lb) | 20.0 | 17.0 | 28.0 | 8.9 | 0.00 |




## Information Block

| | |
|---|---|
| HP | 2.0 |
| Sync. RPM | 1200 |
| Frame | 184 |
| Enclosure | DP |
| Construction | TDB |
| Voltage | 208-230/460#190/380 V |
| Frequency | 60 Hz |
| Design | A |
| LR Code letter | M |
| Service Factor | 1.15 |
| Temp Rise @ FL | 30 ° C |
| Duty | CONT |
| Ambient | 40 ° C |
| Elevation | 3,300 feet |
| Rotor/Shaft wk² | 0.60 Lb-Ft² |
| Ref Wdg | HA31126016 NONE |
| Sound Pressure @ 1M | 54 dBA |
| VFD Rating | CONSTANT 4:1/VARIABLE 20:1 |
| Outline Dwg | SS600205-200 |
| Conn. Diag | EE7308 |
| Additional Specifications: | |
| 0 | |
| 0 | |

EQUIV CKT (OHMS / PHASE)

| R1 | R2 | X1 | X2 | Xm |
|---|---|---|---|---|
| 3.5500 | 2.1300 | 8.0940 | 9.6560 | 126.3800 |

## Speed -Torque Curve

