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# Close-Coupled Pump Motors

**Model No:** 215TTDBD6037
**Catalog No:** GT2419A

Close-Coupled Pump Motor, 10 & 7.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 215JP Frame, DP

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## Product Information Packet: Model No: 215TTDBD6037, Catalog No: GT2419A  Close-Coupled Pump Motor, 10 & 7.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 215JP Frame, DP

### Nameplate Specifications

| | | | |
|---|---|---|---|
| Phase | **3** | Output HP | **10 & 7.50 Hp** |
| Output KW | **7.5 & 5.6 kW** | Voltage | **230/460 & 190/380 V** |
| Speed | **1768 & 1470 r/min** | Synchronous RPM | **1800 & 1500 r/min** |
| Service Factor | **1.15 & 1.15** | Frame | **215JP** |
| Enclosure | **Drip Proof** | Thermal Protection | **No Protection** |
| Efficiency | **91.7 & 91 %** | Ambient Temperature | **40 °C** |
| Frequency | **60 & 50 Hz** | Current | **25.4/12.7 & 23.4/11.7 A** |
| Power Factor | **80.1** | Duty | **Continuous** |
| Insulation Class | **F** | Design Code | **B** |
| KVA Code | **H** | Drive End Bearing Size | **6309** |
| Opp Drive End Bearing Size | **6206** | UL | **Recognized** |
| CSA | **Y** | CE | **Y** |
| IP Code | **22** | Number of Speeds | **1** |

### Technical Specifications

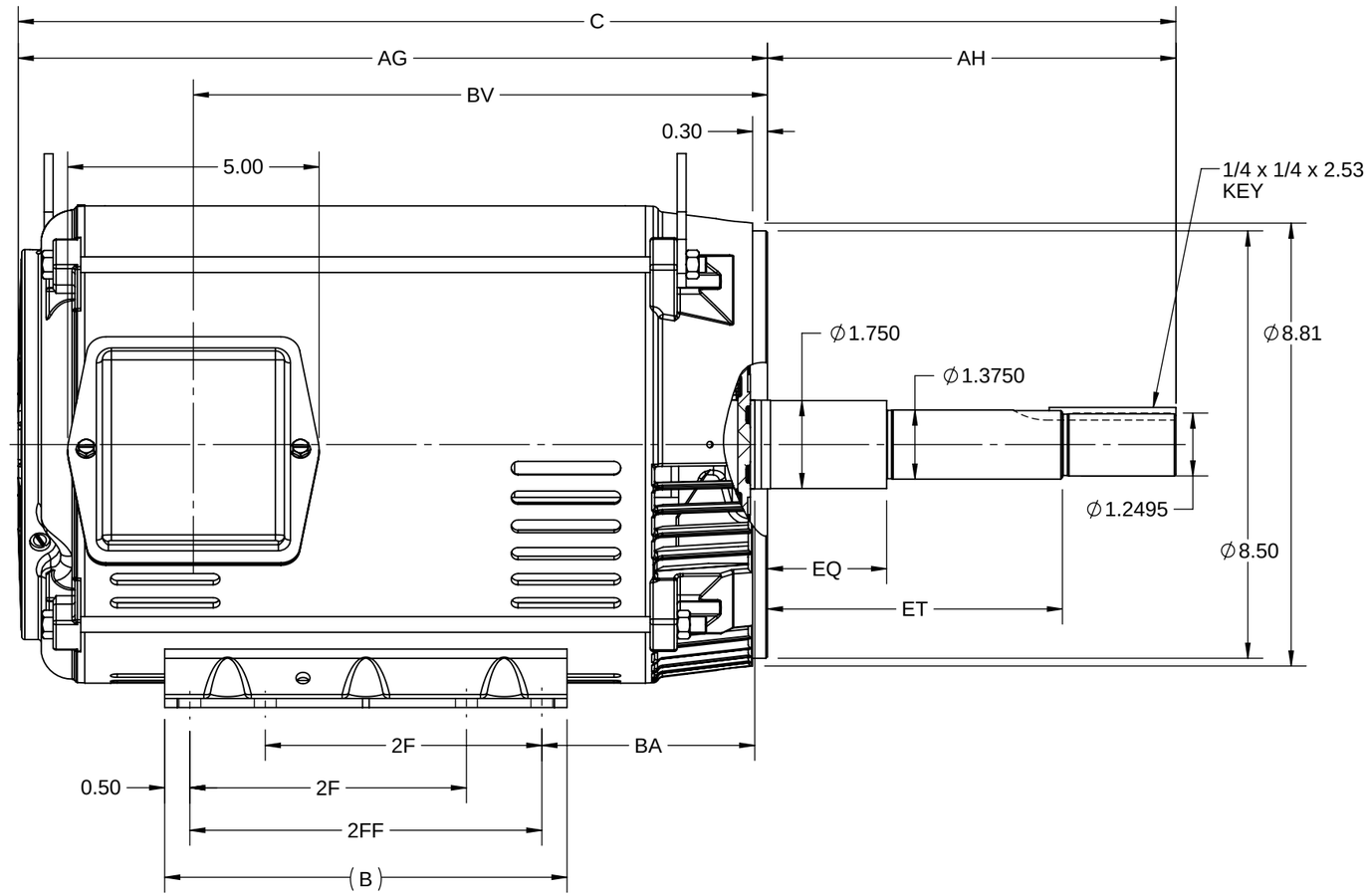
| | | | |
|---|---|---|---|
| Electrical Type | **Squirrel Cage Inverter Rated** | Starting Method | **Line Or Inverter** |
| Poles | **4** | Rotation | **Reversible** |
| Resistance Main | **1.217 O** | Mounting | **Rigid Base** |
| Motor Orientation | **Horizontal** | Drive End Bearing | **Ball** |
| Opp Drive End Bearing | **Ball** | Frame Material | **Rolled Steel** |
| Shaft Type | **JP** | Overall Length | **23.11 in** |
| Frame Length | **11.15 in** | Shaft Diameter | **1.249 in** |
| Shaft Extension | **8.39 in** | Assembly/Box Mounting | **F1/F2 Capable** |
| Inverter Load | **Constant 10:1/Variable 10:1** | | |

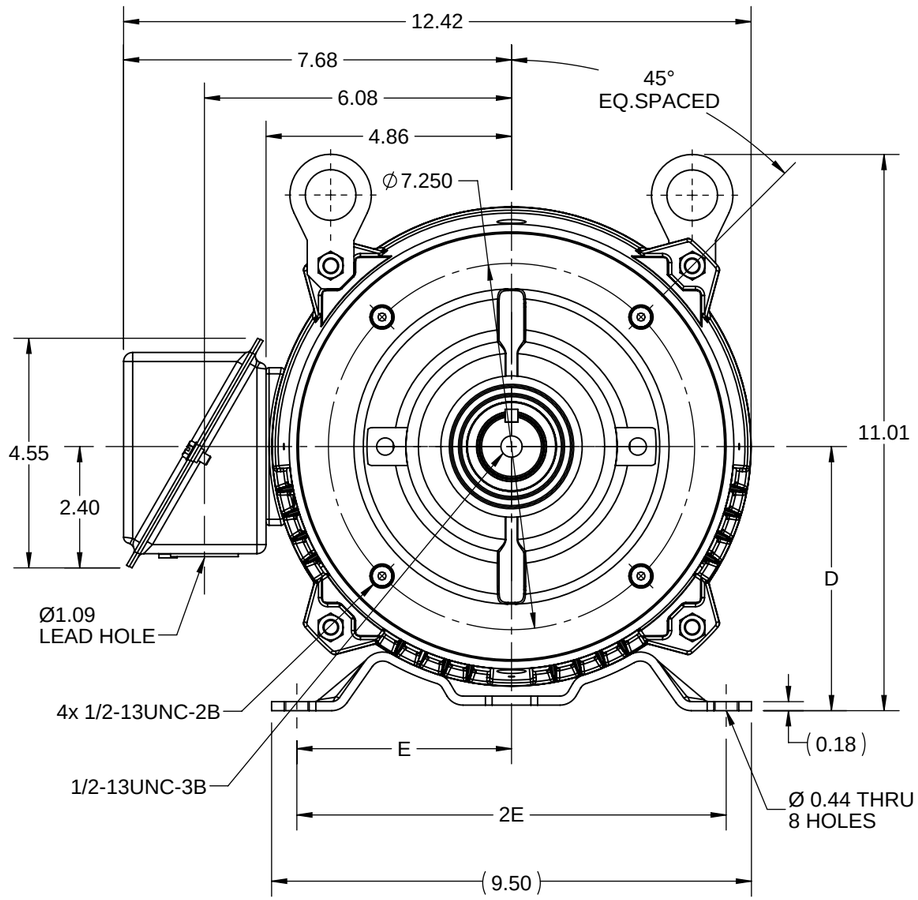
### Drawings

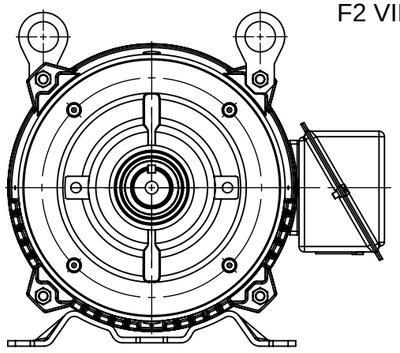
| | | | |
|---|---|---|---|
| Connection Drawing | **EE7308** | Outline Drawing | **SS620793** |

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| B | C | D | E | 2E | 2F | 2FF | AG | AH | BV | BA | EQ | ET | MOUNTING |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8.00 | 23.02 | 5.25 | 4.25 | 8.50 | 5.50 | 7.00 | 14.90 | 8.12 | 11.42 | 4.25 | 2.37 | 5.87 | F1 OR F2 |




| DRAWING REVISION | REVISION BY | REV DATE/© DATE |
|---|---|---|
| G | SV | 05/22/2026 |
| REQUEST NUMBER | APPROVED BY | DATE |
| CR-0026372 | RMS | 05/22/2026 |

REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK UPDATED

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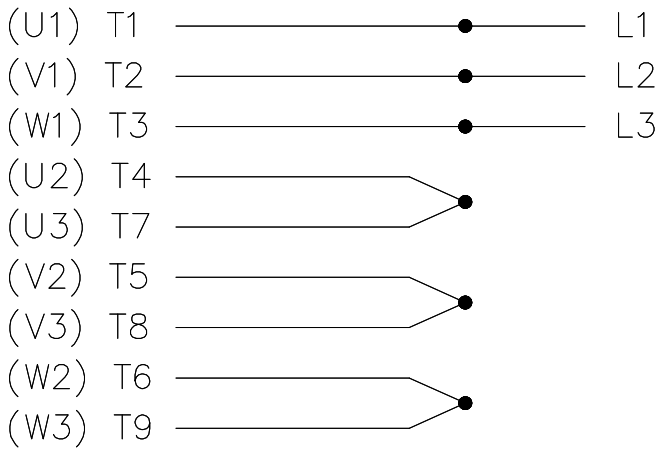
| DRAWN BY | DESCRIPTION |
|---|---|
| ZXY | OUTLINE |
| DATE | 213/215JP FR NEMA ODP RS |
| 01/01/2017 | |
| APPROVED BY | |
| WANG YANG | |
| DATE | |
| 01/01/2017 | |
| REFERENCE | MATERIAL / PROCESS/FINISH |
| THIRD ANGLE PROJECTION | SIZE B / DRAWING NUMBER SS620793 / SHEET 1 OF 1 |

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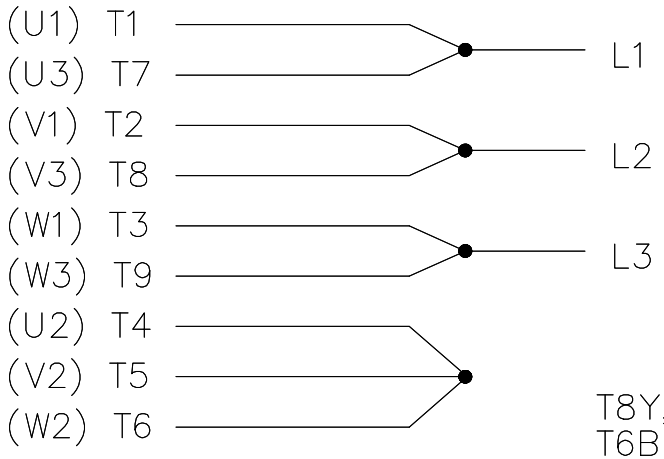
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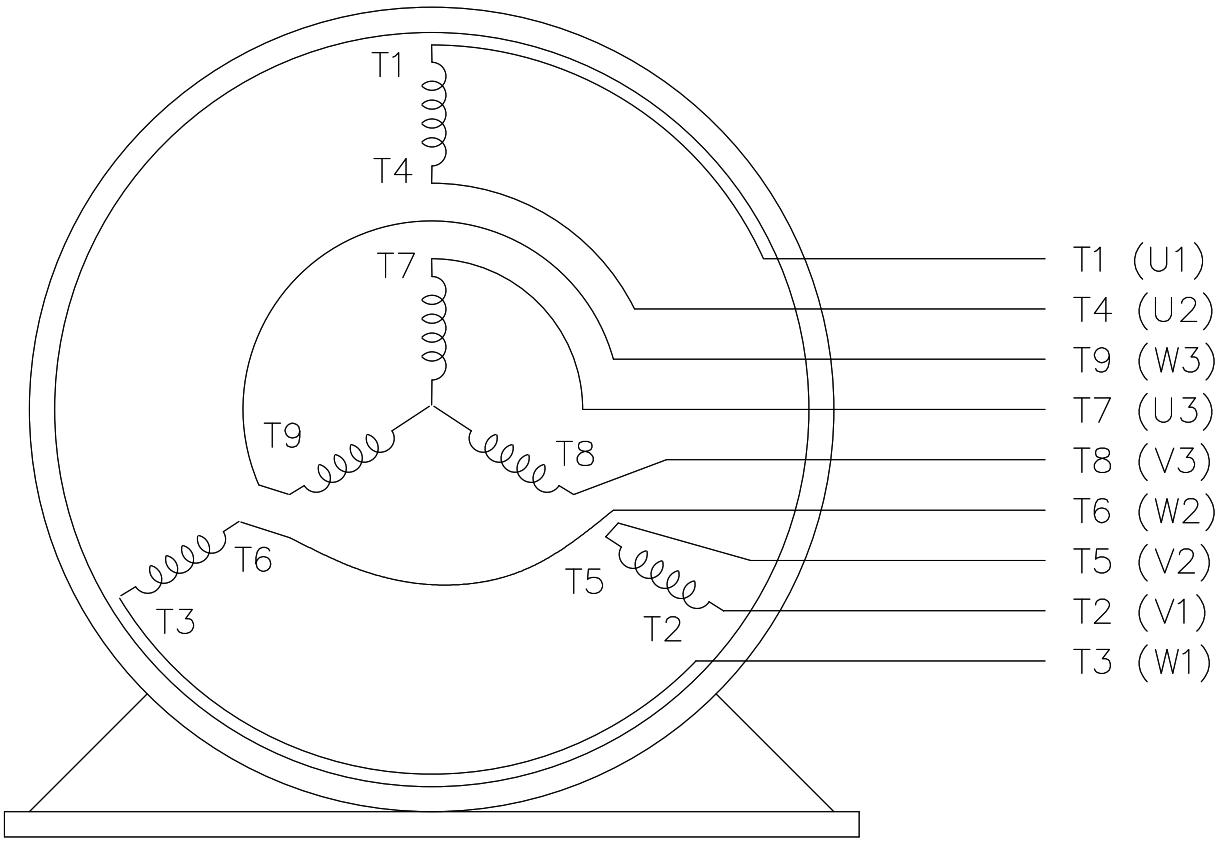
# THREE PHASE
# DUAL VOLTAGE MOTOR

## 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 | |

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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: 12/1/2021
Customer:
Attention:
Submitted by:

marathon® Motors

215TTDBD6037

**Submittal**

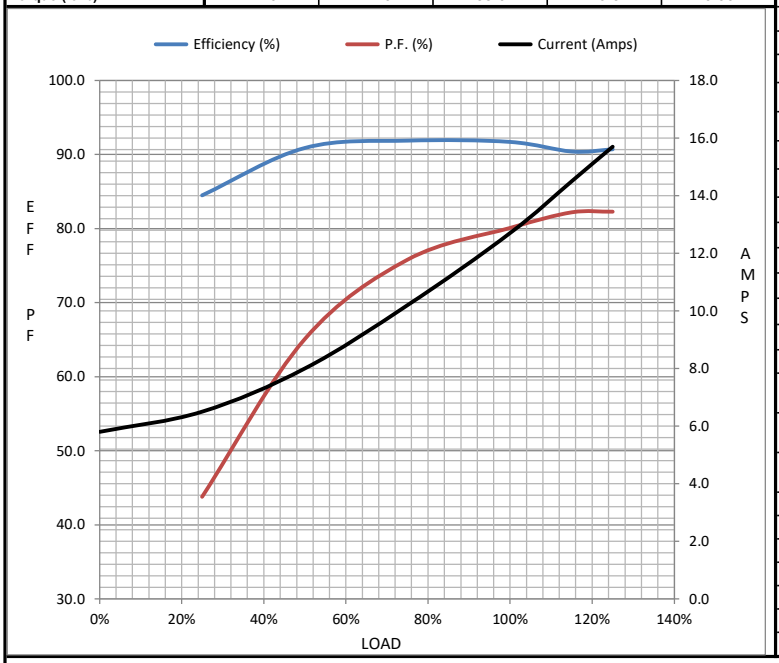
Data @ 460 V

## Motor Load Data

| Load | 0% | 25% | 50% | 75% | 100% | 115% | 125% | LR | |
|---|---|---|---|---|---|---|---|---|---|
| Current (Amps) | 5.8 | 6.5 | 8.0 | 10.2 | 12.7 | 14.5 | 15.7 | 79.0 | |
| Torque (ft-lb) | 0.00 | 7.3 | 14.7 | 22.2 | 29.8 | 34.3 | 37.4 | 72.0 | |
| RPM | 1800 | 1792 | 1785 | 1778 | 1768 | 1,762 | 1758 | 0 | |
| Efficiency (%) | | 84.5 | 90.9 | 91.9 | 91.7 | 90.4 | 90.7 | | |
| P.F. (%) | 11.0 | 43.8 | 65.1 | 75.8 | 80.1 | 82.2 | 82.3 | 45.0 | |

## Motor Speed Data

| | LR | Pull-Up | BD | Rated | Idle |
|---|---|---|---|---|---|
| Speed (RPM) | 0 | 900 | 1578 | 1768 | 1800 |
| Current (Amps) | 79.0 | 73.0 | 44.0 | 12.7 | 5.8 |
| Torque (ft-lb) | 72.0 | 42.0 | 88.0 | 29.8 | 0.00 |




## Information Block

| | |
|---|---|
| HP | 10.0 |
| Sync. RPM | 1800 |
| Frame | 215 |
| Enclosure | DP |
| Construction | TDB |
| Voltage | 208-230/460#190/380 V |
| Frequency | 60 Hz |
| Design | B |
| LR Code letter | H |
| Service Factor | 1.15 |
| Temp Rise @ FL | 65 ° C |
| Duty | CONT |
| Ambient | 40 ° C |
| Elevation | 3,300 feet |
| Rotor/Shaft wk² | 1.00 Lb-Ft² |
| Ref Wdg | HA31324016 NONE |
| Sound Pressure @ 1M | 47 dBA |
| VFD Rating | VARIABLE 20:1 |
| Outline Dwg | SS620793 |
| Conn. Diag | EE7308 |
| Additional Specifications: | |
| 0 | |
| 0 | |

EQUIV CKT (OHMS / PHASE)

| R1 | R2 | X1 | X2 | Xm |
|---|---|---|---|---|
| 0.7380 | 0.4060 | 2.2010 | 2.6160 | 46.8600 |

## Speed -Torque Curve

