marathon®

# Close-Coupled Pump Motors

**Model No:** 213TTFBD6012
**Catalog No:** GT3415A

Close-Coupled Pump Motor, 7.50 & 5 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 RPM, 213JP Frame, TEFC

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## Product Information Packet: Model No: 213TTFBD6012, Catalog No: GT3415A  Close-Coupled Pump Motor, 7.50 & 5 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 RPM, 213JP Frame, TEFC

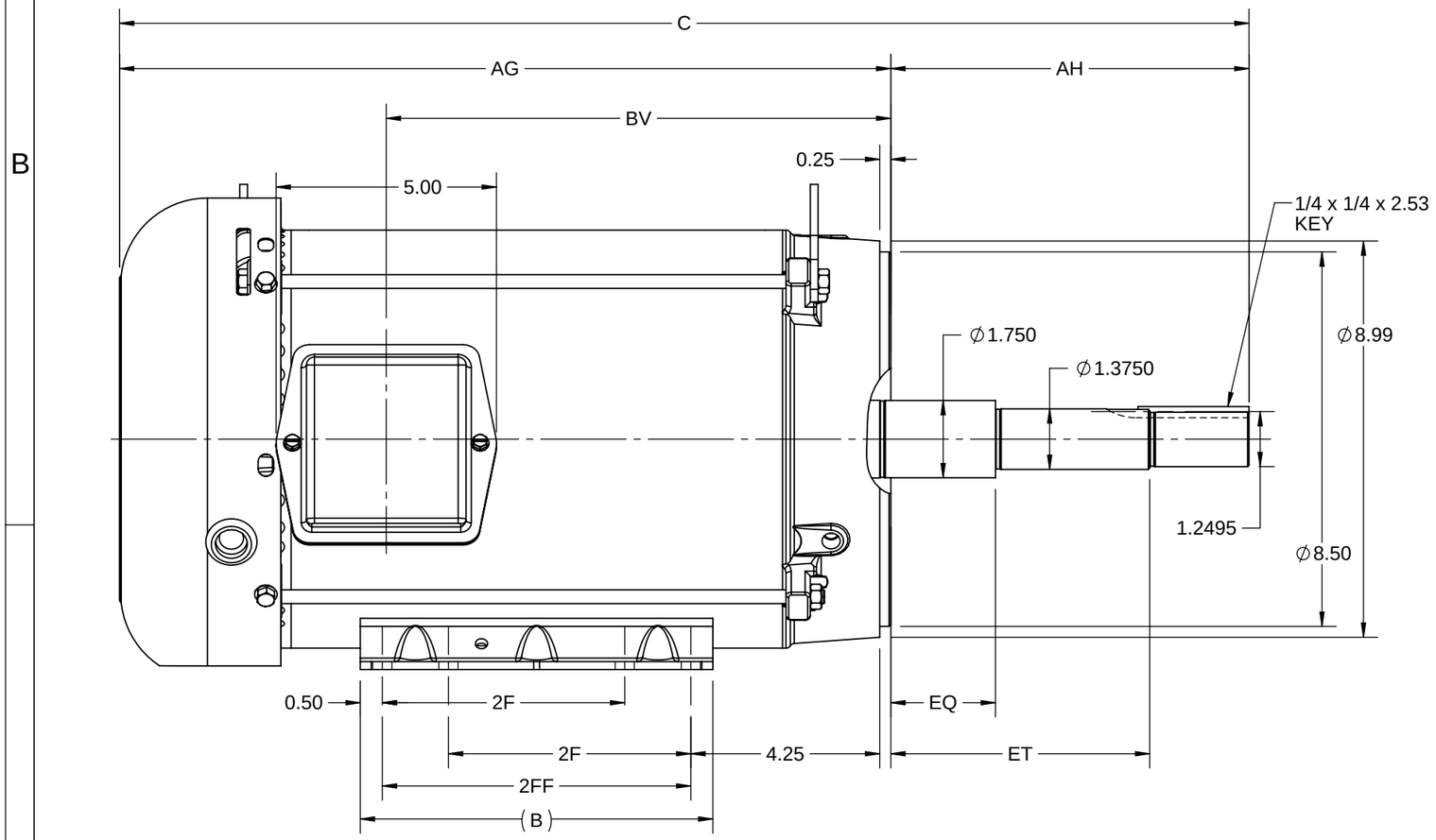
| Nameplate Specifications | | | |
|---|---|---|---|
| Phase | **3** | Output HP | **7.50 & 5 Hp** |
| Output KW | **5.6 & 3.7 kW** | Voltage | **230/460 & 190/380 V** |
| Speed | **3520 & 2935 r/min** | Synchronous RPM | **3600 & 3000 r/min** |
| Service Factor | **1.15 & 1.15** | Frame | **213JP** |
| Enclosure | **Totally Enclosed Fan Cooled** | Thermal Protection | **No Protection** |
| Efficiency | **89.5 & 87.2 %** | Ambient Temperature | **40 °C** |
| Frequency | **60 & 50 Hz** | Current | **18/9 & 15.2/7.6 A** |
| Power Factor | **86.5** | Duty | **Continuous** |
| Insulation Class | **F** | Design Code | **B** |
| KVA Code | **H** | Drive End Bearing Size | **6309** |
| Opp Drive End Bearing Size | **6206** | UL | **Listed** |
| CSA | **Y** | CE | **Y** |
| IP Code | **43** | Number of Speeds | **1** |
| Hazardous Location | **DIVISION 2 T2B** | | |

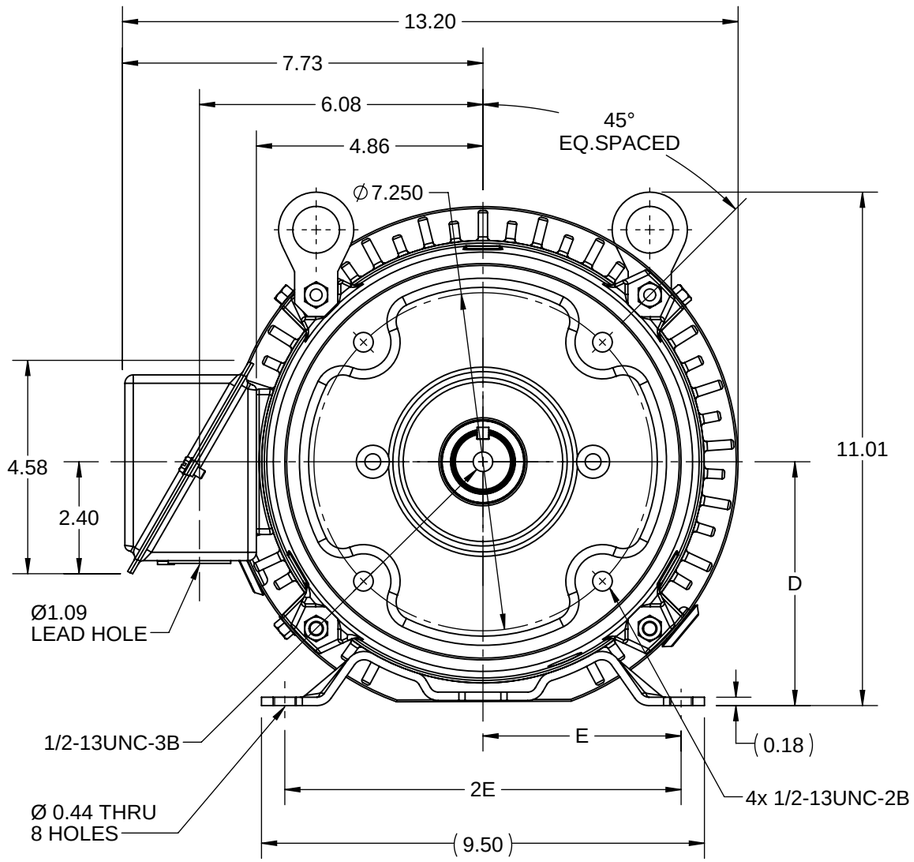
| Technical Specifications | | | |
|---|---|---|---|
| Electrical Type | **Squirrel Cage Inverter Rated** | Starting Method | **Line Or Inverter** |
| Poles | **2** | Rotation | **Reversible** |
| Resistance Main | **1.661 O** | Mounting | **Rigid Base** |
| Motor Orientation | **Horizontal** | Drive End Bearing | **Ball** |
| Opp Drive End Bearing | **Ball** | Frame Material | **Rolled Steel** |
| Shaft Type | **JP** | Overall Length | **24.01 in** |
| Frame Length | **9.65 in** | Shaft Diameter | **1.25 in** |
| Shaft Extension | **8.39 in** | Assembly/Box Mounting | **F1/F2 Capable** |
| Inverter Load | **Constant 2:1/Variable 10:1** | | |

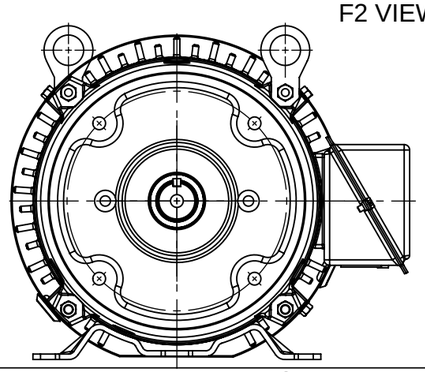
| Drawings | | | |
|---|---|---|---|
| Connection Drawing | **EE7308** | Outline Drawing | **SS620827-100** |

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| DASH NO. | B | C | D | E | 2E | 2F | 2FF | AG | AH | BV | EQ | ET | MOUNTING | FRAME |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | 8.00 | 24.13 | 5.25 | 4.25 | 8.50 | 5.50 | 7.00 | 16.00 | 8.13 | 9.95 | 2.37 | 5.87 | F1 OR F2 | 213JP |
| 200 | | 25.63 | | | | | | 17.50 | | 11.45 | | | | 215JP |




| | | |
|---|---|---|
| DRAWING REVISION: G | REVISION BY: SV | REV DATE/© DATE: 06/01/2026 |
| REQUEST NUMBER: CR-0026504 | APPROVED BY: RMS | DATE: 06/01/2026 |
| REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED | | |

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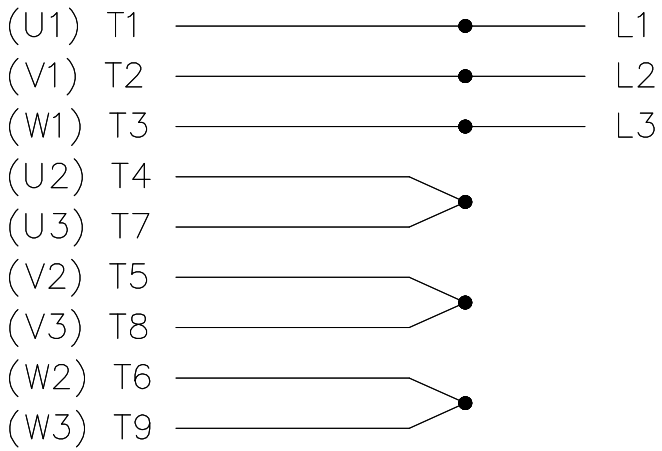
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ARE FOR REFERENCE ONLY

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| DRAWN BY: ZHY | marathon™ | |
| DATE: 13-04-2017 | | |
| APPROVED BY: | DESCRIPTION: OUTLINE<br>213/215JP FR NEMA TEFC RS | |
| DATE: | | |
| REFERENCE: | MATERIAL: | PROCESS/FINISH: |
| THIRD ANGLE PROJECTION | SIZE: B / DRAWING NUMBER: SS620827 | SHEET: 1 OF 1 |

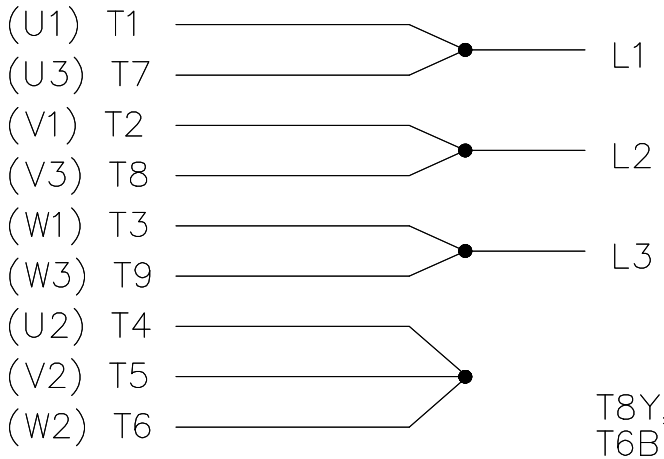
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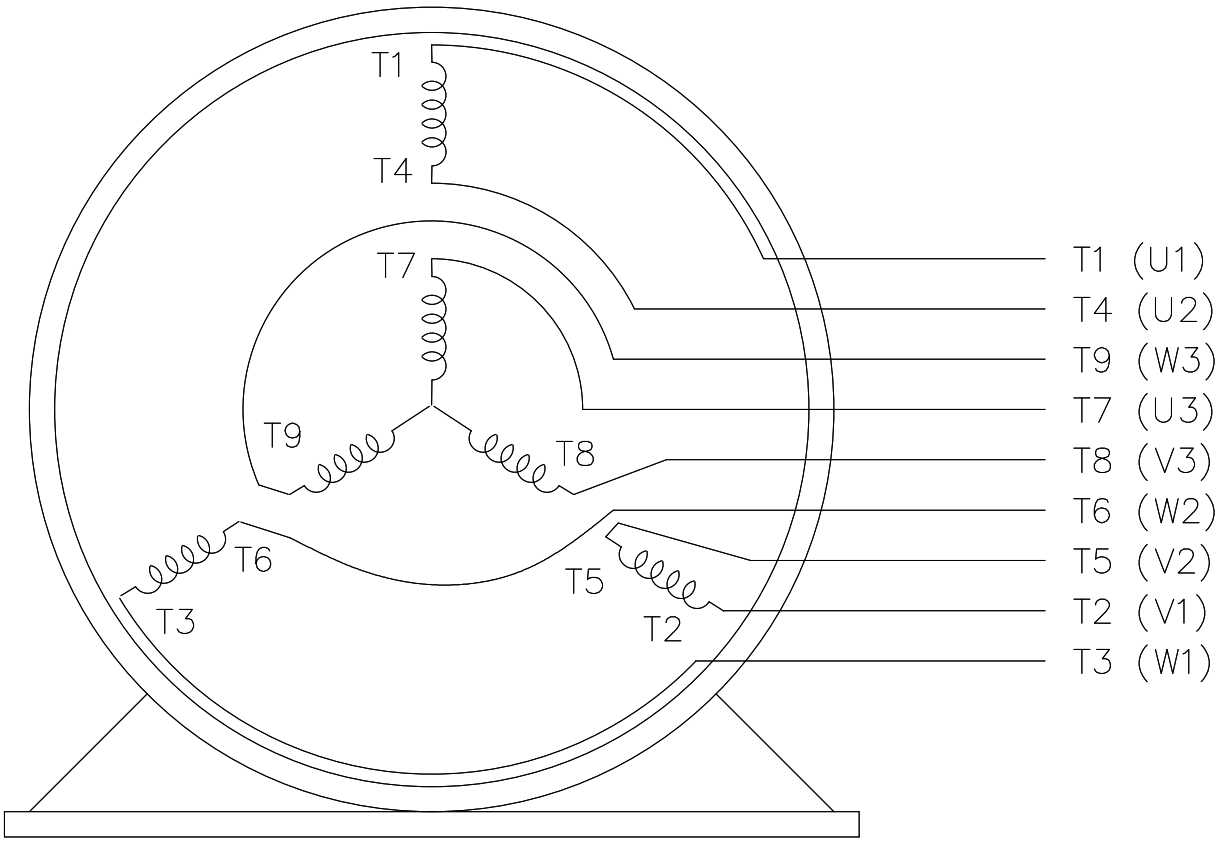
# THREE PHASE
# DUAL VOLTAGE MOTOR

## 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 | |

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DESCRIPTION
CONN DIAGRAM-EXTERNAL
3Ø - DUAL VOLTAGE MOTOR

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

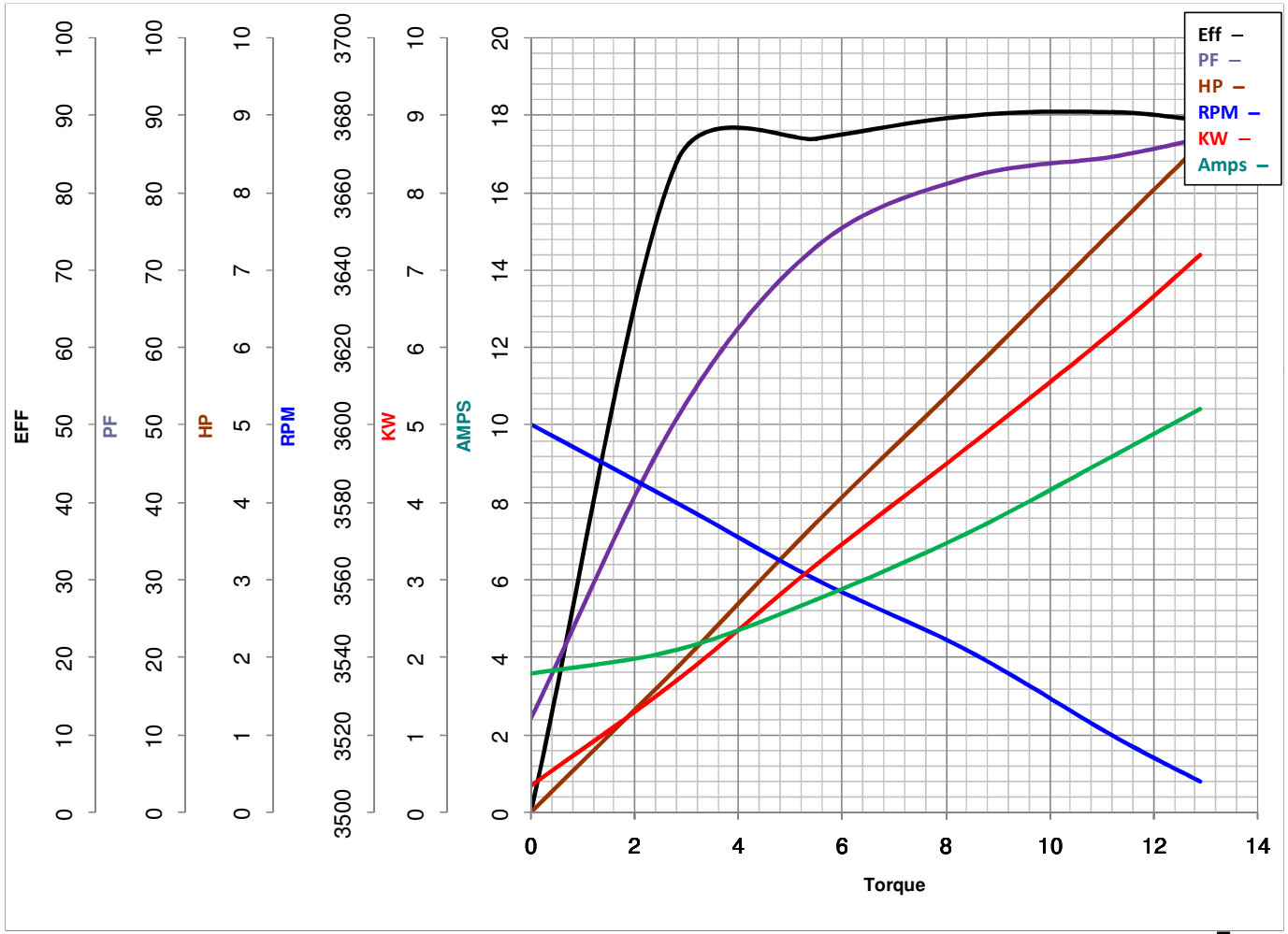
| SIZE | DRAWING NUMBER | SHEET |
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| A | 4 of 5 EE7308 | 1 OF 1 |

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# MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Customer** | | **Curve at** | 460 | **Volts** | **HP** 7.5&5 | **PHASE** | 3 |
| | | | 60 | **HZ** | | | |
| **Model No** 213TTFBD6012 | | | 7.5 | **HP** | **VOLTS** 230/460&190/380 | | |
| **Catalog No** GT3415A | | | | | **HZ** 60&50 | **RPM** | 3520&2935 |




**Torque in Lb.Ft**

| | | | | | |
|---|---|---|---|---|---|
| **FL TORQUE** | 11.2 | **Lb.Ft** | **FL AMPS** | 18.4/9.2 | |
| **BD TORQUE** | 32.0 | **Lb.Ft** | **PU TORQUE** | 17.5 | **Lb.Ft** |
| **LR TORQUE** | 20 | **Lb.Ft** | **LR AMPS** | 60 | |
| **WINDING** | HE31322011-2 | **Prepared By** | ANUSHA M | **Date** | 5/4/2018 |