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# General Purpose Motors

**Model No:** 256TTFCD6078
**Catalog No:** GT1220A

General Purpose Motor, 10 & 7.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1200 RPM, 256TC Frame, TEFC

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## Product Information Packet: Model No: 256TTFCD6078, Catalog No: GT1220A General Purpose Motor, 10 & 7.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1200 RPM, 256TC Frame, TEFC

### Nameplate Specifications

| | | | |
|---|---|---|---|
| Phase | **3** | Output HP | **10 & 7.50 Hp** |
| Output KW | **7.5 & 5.6 kW** | Voltage | **230/460 & 190/380 V** |
| Speed | **1180 & 980 r/min** | Synchronous RPM | **1200 & 1000 r/min** |
| Service Factor | **1.15 & 1.15** | Frame | **256TC** |
| Enclosure | **Totally Enclosed Fan Cooled** | Thermal Protection | **No Protection** |
| Efficiency | **91 & 90.2 %** | Ambient Temperature | **40 °C** |
| Frequency | **60 & 50 Hz** | Current | **25.8/12.9 & 24/12 A** |
| Power Factor | **80.5** | Duty | **Continuous** |
| Insulation Class | **F** | Design Code | **B** |
| KVA Code | **G** | Drive End Bearing Size | **6309** |
| Opp Drive End Bearing Size | **6209** | UL | **Listed** |
| CSA | **Y** | CE | **Y** |
| IP Code | **55** | Number of Speeds | **1** |
| Hazardous Location | **DIVISION 2 T2B** | | |

### Technical Specifications

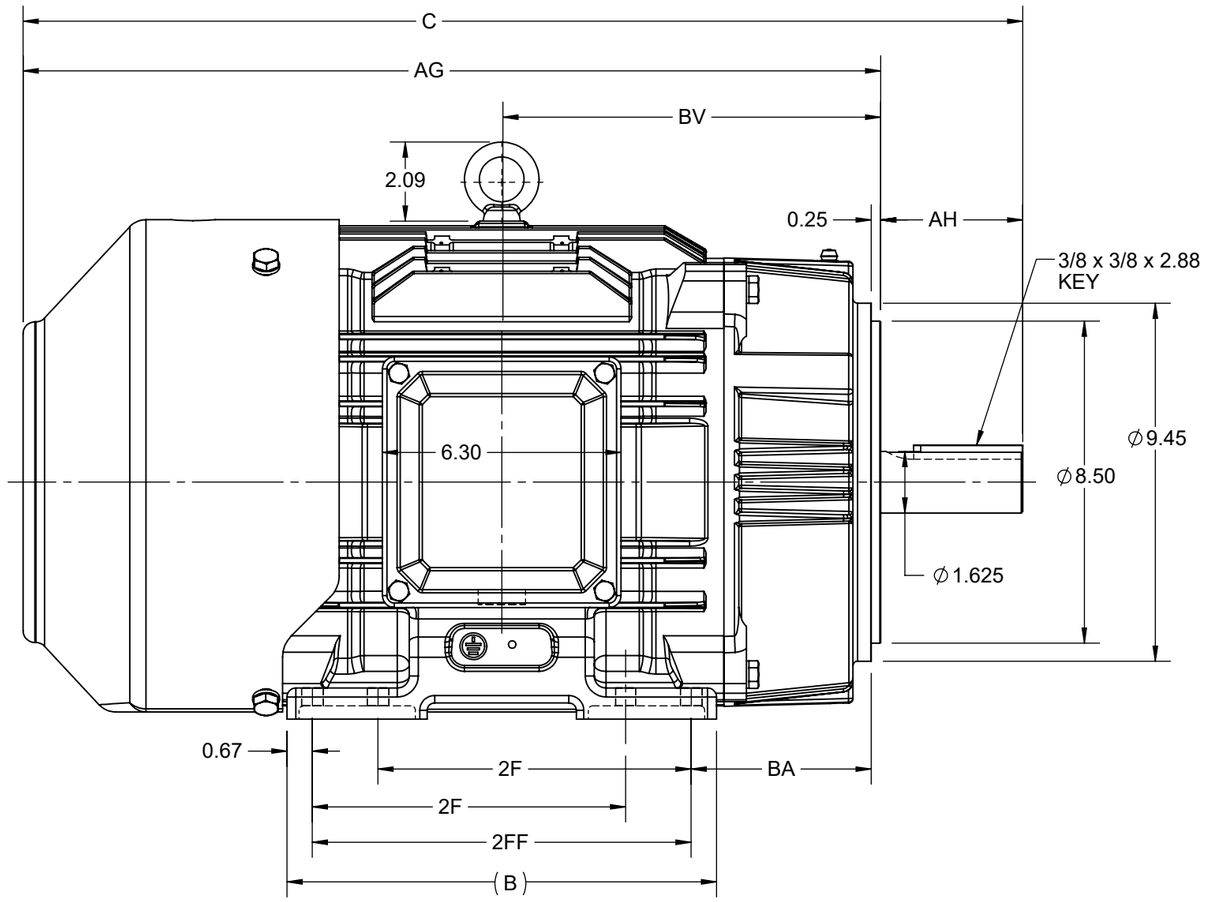
| | | | |
|---|---|---|---|
| Electrical Type | **Squirrel Cage Inverter Rated** | Starting Method | **Line Or Inverter** |
| Poles | **6** | Rotation | **Reversible** |
| Resistance Main | **1.21 O** | Mounting | **Rigid Base** |
| Motor Orientation | **Horizontal** | Drive End Bearing | **Ball** |
| Opp Drive End Bearing | **Ball** | Frame Material | **Cast Iron** |
| Shaft Type | **T** | Overall Length | **26.39 in** |
| Frame Length | **11.73 in** | Shaft Diameter | **1.626 in** |
| Shaft Extension | **4 in** | Assembly/Box Mounting | **F1/F2 Capable** |
| Inverter Load | **Constant 10:1/Variable 10:1** | | |

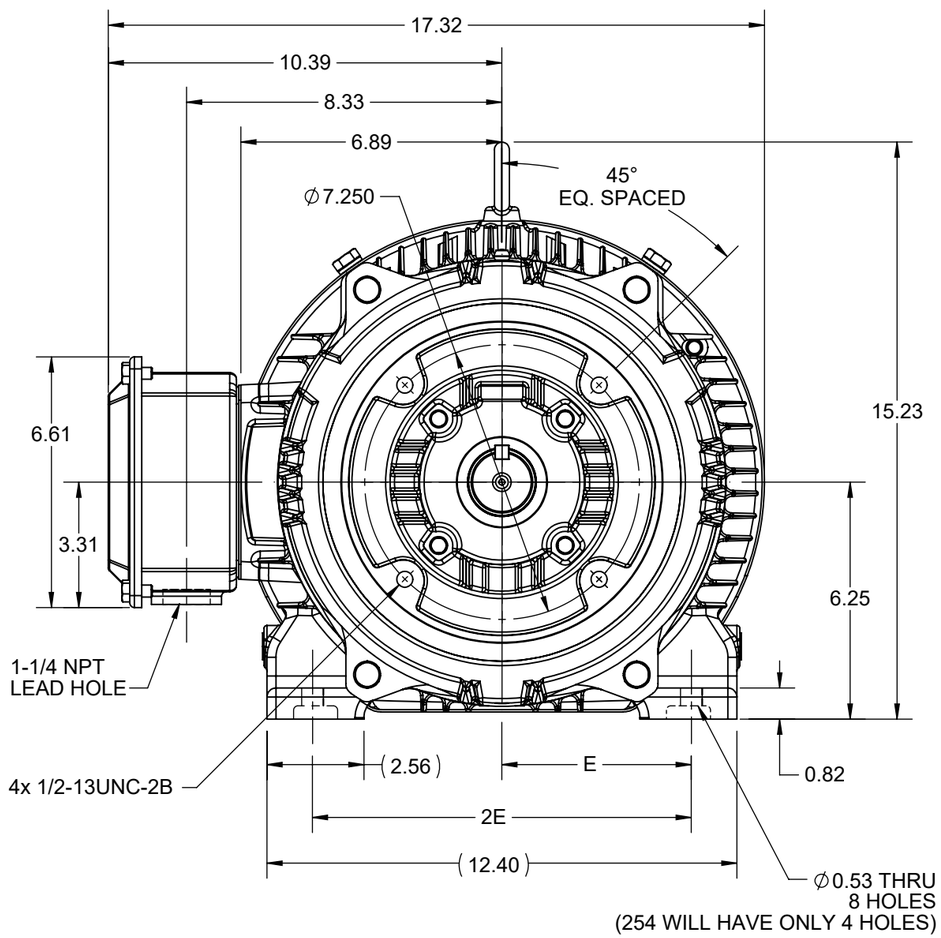
### Drawings

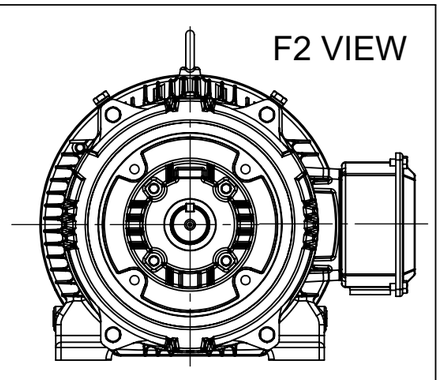
| | | | |
|---|---|---|---|
| Connection Drawing | **EE7308K** | Outline Drawing | **SS620700-200** |

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| DASH NO. | B | C | E | 2E | 2F | 2FF | AG | AH | BA | BV | MOUNTING | FRAME |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | 9.60 | 24.65 | 5.00 | 10.00 | --- | 8.25 | 20.90 | 3.75 | 4.75 | 9.14 | F1 OR F2 | 254TC |
| 200 | 11.34 | 26.39 | | | 8.25 | 10.00 | 22.64 | | | 10.00 | | 254/256TC |




| DRAWING REVISION | REVISION BY | REV DATE/© DATE |
|---|---|---|
| D | SB | 07/23/2025 |
| REQUEST NUMBER | APPROVED BY | DATE |
| CR-0023556 | SBD | 07/23/2025 |

REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK UPDATED

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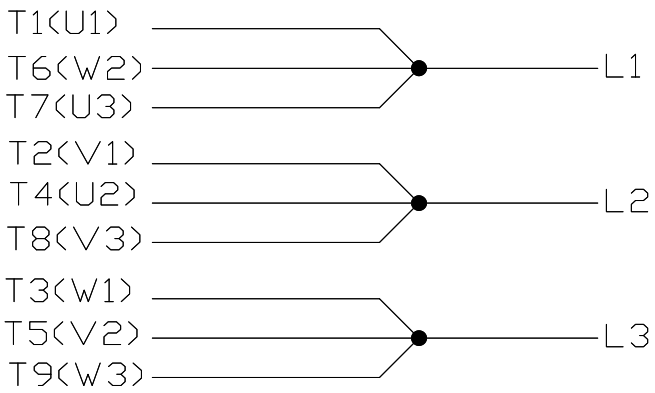
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| DRAWN BY | DESCRIPTION |
|---|---|
| SMAR | OUTLINE |
| DATE | 254/256TC FR-TEFC-CAST IRON |
| 06/07/2015 | |
| APPROVED BY | |
| SBD | |
| DATE | |
| 06/07/2015 | |
| REFERENCE | MATERIAL / PROCESS/FINISH |
| THIRD ANGLE PROJECTION | SIZE B / DRAWING NUMBER SS620700 / SHEET 1 OF 1 |

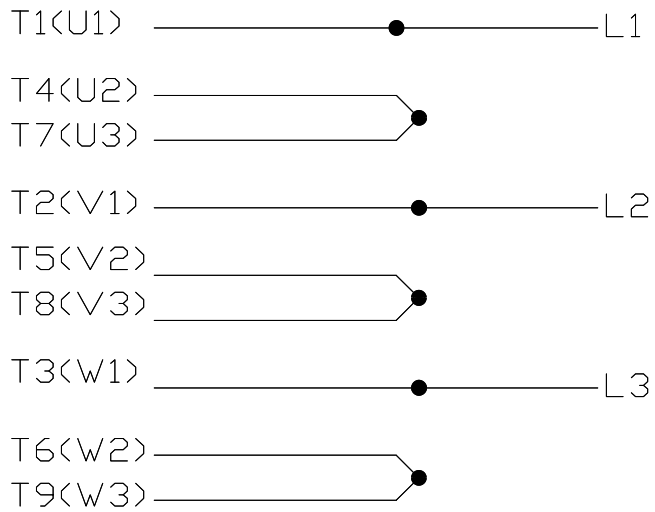
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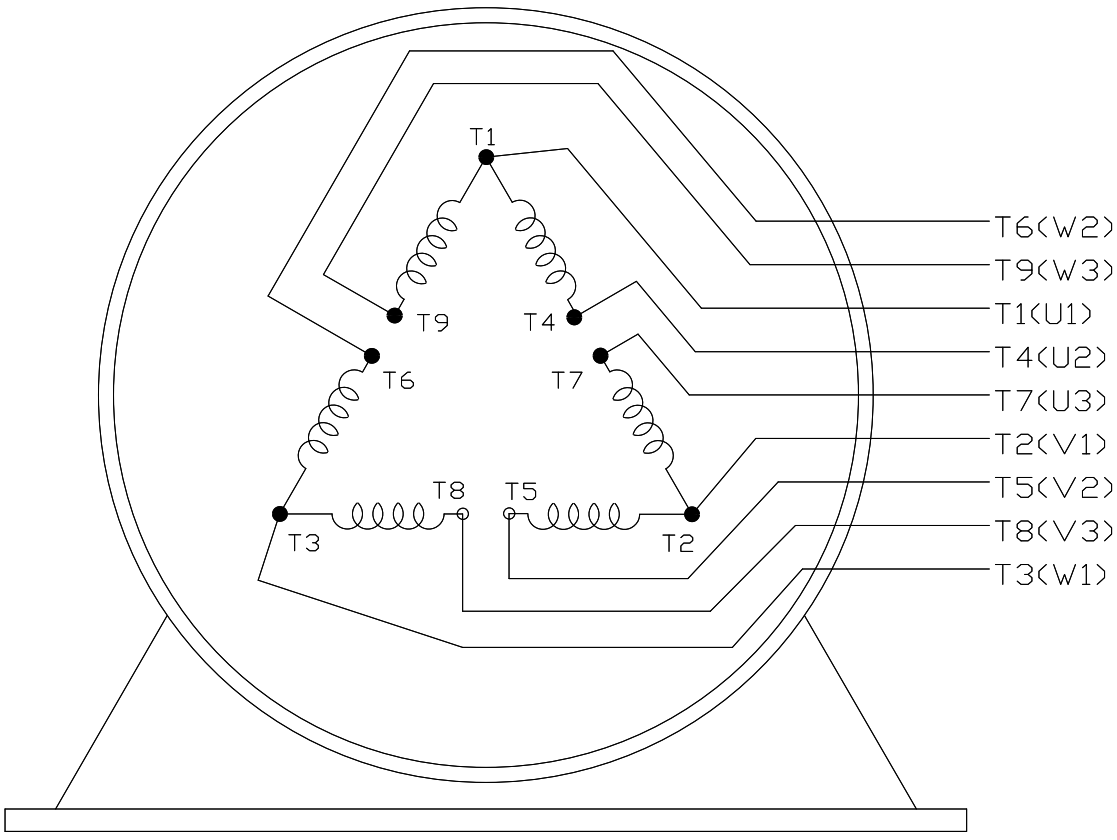
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## LOW VOLTAGE




## HIGH VOLTAGE




VIEW OF TERMINAL END

| | | | | |
|---|---|---|---|---|
| DRAWING REVISION: F | REVISION BY: SB | REV DATE/ © DATE: 08/01/2025 | DRAWN BY: PGK | marathon™ |
| REQUEST NUMBER: CR-0023654 | APPROVED BY: SBD | DATE: 08/01/2025 | DATE: 06/04/1997 | |
| REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED | | | APPROVED BY: GK | DESCRIPTION: CONN DIAGRAM-EXTERNAL<br>DELTA CON. - 3ø - 9 LEADS |
| | | | DATE: 06/15/1997 | |
| | | | REFERENCE | MATERIAL / PROCESS/FINISH |
| | | | THIRD ANGLE PROJECTION | SIZE: A / DRAWING NUMBER: EE7308K / SHEET: 1 OF 1 |

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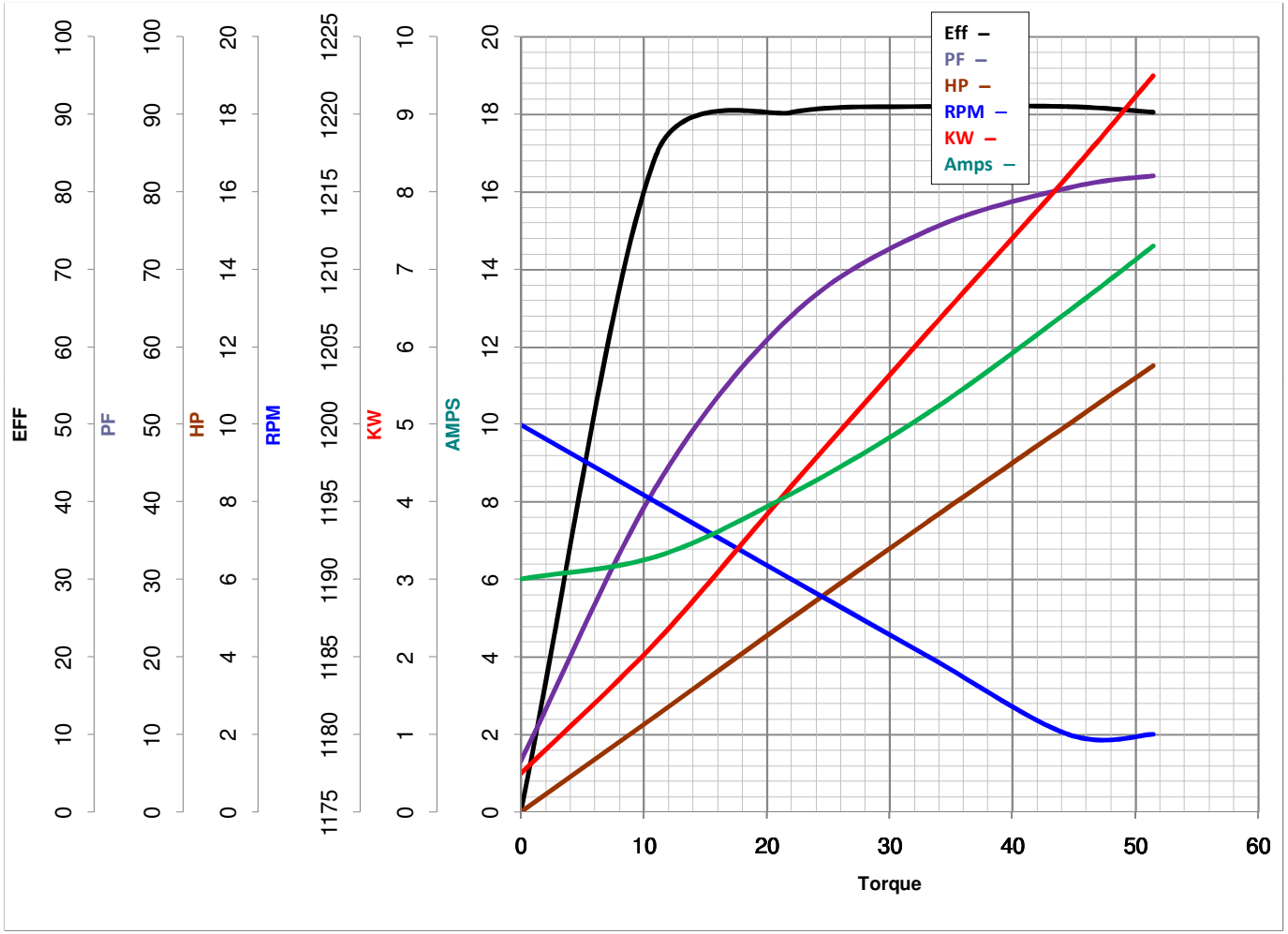
# MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

**Customer**

**Curve at** 460 **Volts** **HP** 10&7.5 **PHASE** 3
60 **HZ**
**Model No** 256TTFCD6078 10 **HP** **VOLTS** 230/460&190/380

**Catalog No** GT1220A **HZ** 60&50 **RPM** 1180&980




**Torque in Lb.Ft**

| | | | | | | |
|---|---|---|---|---|---|---|
| **FL TORQUE** | 44.5 | **Lb.Ft** | | **FL AMPS** | 25.8/12.9 | |
| **BD TORQUE** | 106.0 | **Lb.Ft** | | **PU TORQUE** | 73.5 | **Lb.Ft** |
| **LR TORQUE** | 87 | **Lb.Ft** | | **LR AMPS** | 76 | |
| **WINDING** | HE31606006-2 | **Prepared By** | FAREEDA | | **Date** | 5/4/2018 |