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# Severe Duty Motors

**Model No:** 404THFCD9077
**Catalog No:** W589A-P

Severe Duty Motor, 60 HP, 3 Ph, 60 Hz, 460 V, 1200 RPM, 404T Frame, TEFC

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# Product Information Packet: Model No: 404THFCD9077, Catalog No: W589A-P  Severe Duty Motor, 60 HP, 3 Ph, 60 Hz, 460 V, 1200 RPM, 404T Frame, TEFC

## Nameplate Specifications

| | | | |
|---|---|---|---|
| Phase | **3** | Output HP | **60 Hp** |
| Output KW | **45.0 kW** | Voltage | **460 V** |
| Speed | **1190 r/min** | Synchronous RPM | **1200 r/min** |
| Service Factor | **1.15** | Frame | **404T** |
| Enclosure | **Totally Enclosed Fan Cooled** | Thermal Protection | **No Protection** |
| Efficiency | **94.5 %** | Ambient Temperature | **40 °C** |
| Frequency | **60 Hz** | Current | **71.5 A** |
| Power Factor | **83** | Duty | **Continuous** |
| Insulation Class | **H** | Design Code | **B** |
| KVA Code | **G** | Drive End Bearing Size | **6316** |
| Opp Drive End Bearing Size | **6314** | UL | **Recognized** |
| CSA | **Y** | CE | **Y** |
| IP Code | **56** | Number of Speeds | **1** |

## Technical Specifications

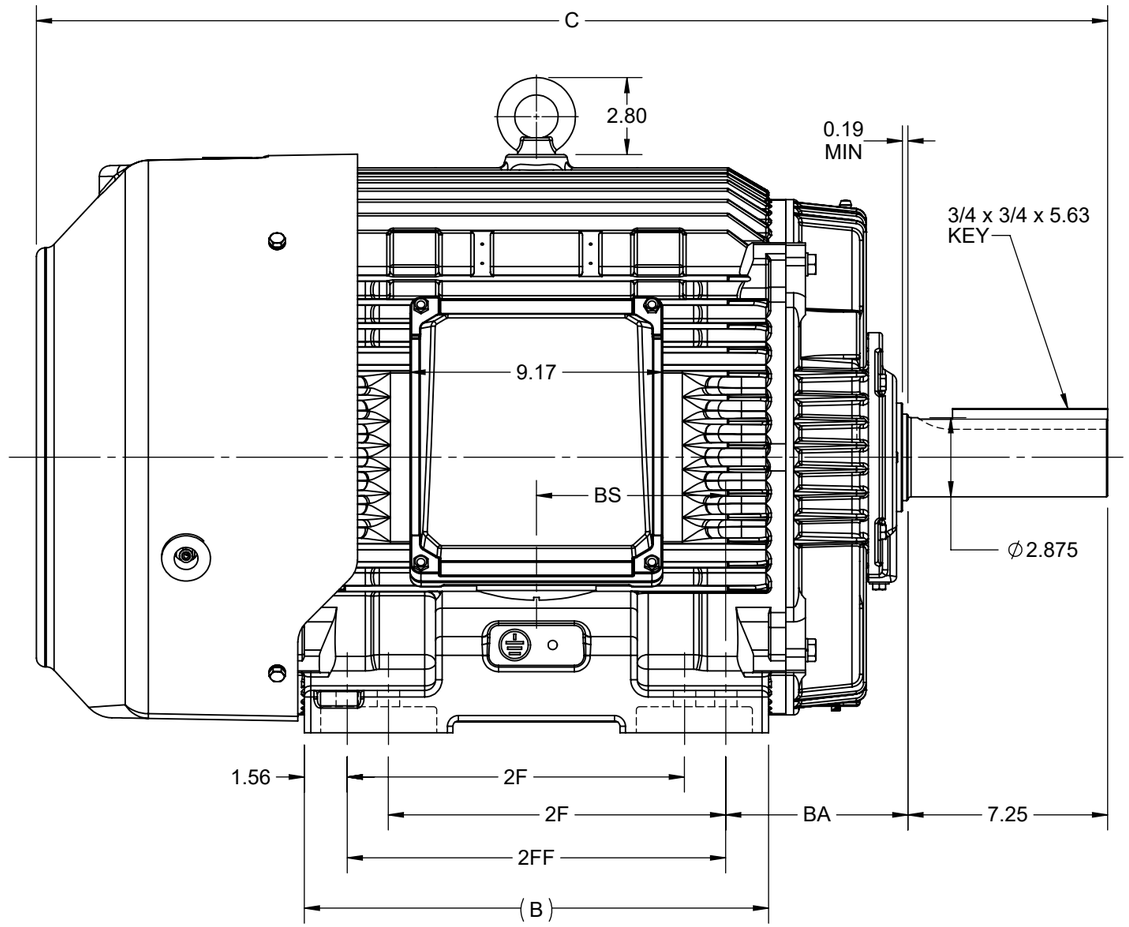
| | | | |
|---|---|---|---|
| Electrical Type | **Squirrel Cage Inverter Rated** | Starting Method | **Line Or Inverter** |
| Poles | **6** | Rotation | **Reversible** |
| Resistance Main | **.116 O** | Mounting | **Rigid Base** |
| Motor Orientation | **Horizontal** | Drive End Bearing | **Ball** |
| Opp Drive End Bearing | **Ball** | Frame Material | **Cast Iron** |
| Shaft Type | **T** | Shaft Diameter | **2.875 in** |
| Assembly/Box Mounting | **F1/F2 Capable** | Inverter Load | **Constant 2:1/Variable 10:1** |

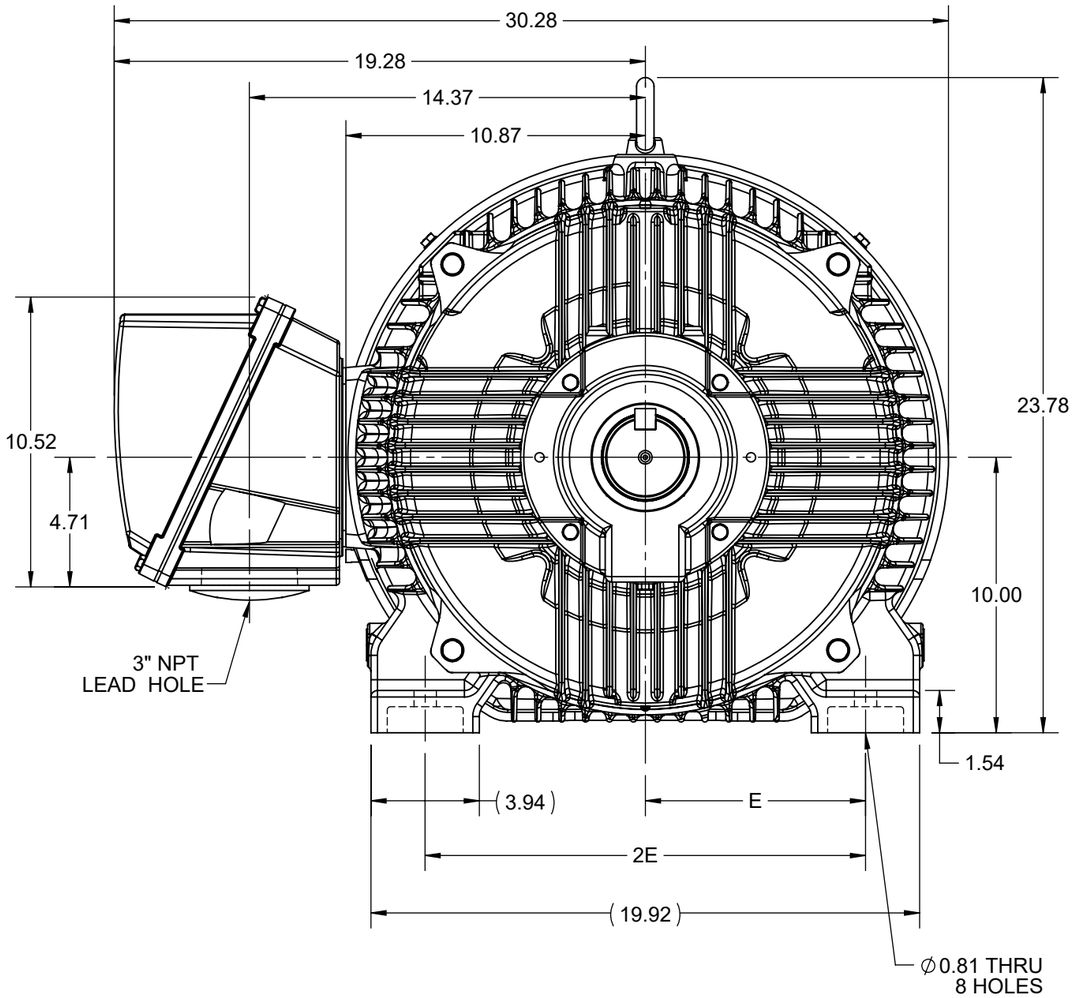
## Drawings

| | | | |
|---|---|---|---|
| Connection Drawing | **EE7300U** | Outline Drawing | **SS557665** |

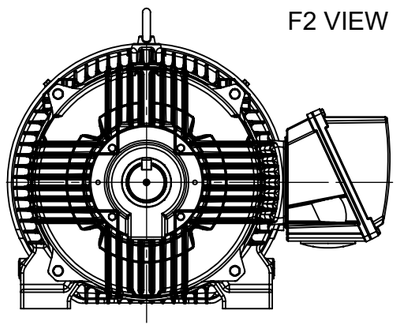
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| B | C | E | 2E | 2F | 2FF | BA | BS | MOUNTING |
|---|---|---|---|---|---|---|---|---|
| 16.85 | 38.88 | 8.00 | 16.00 | 12.25 | 13.75 | 6.62 | 6.87 | F1 OR F2 |




F2 VIEW



| 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

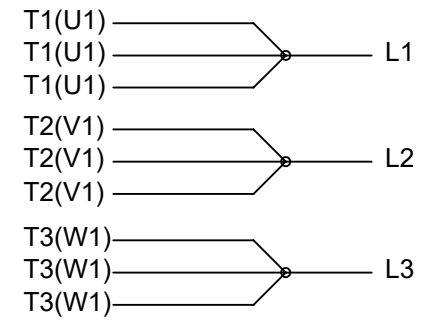
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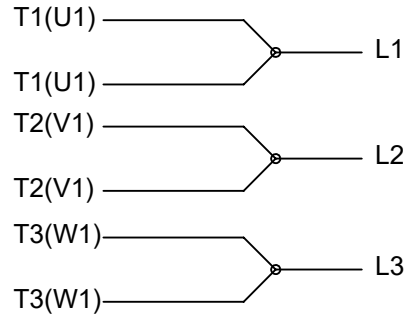
| DRAWN BY | DESCRIPTION |
|---|---|
| BISWA | OUTLINE |
| DATE | 404/405T FR-SD & IEEE841 |
| 12/24/2018 | |
| APPROVED BY | MATERIAL / PROCESS/FINISH |
| SBD | |
| DATE | SIZE / DRAWING NUMBER / SHEET |
| 12/24/2018 | B / SS557665 / 1 OF 1 |
| REFERENCE | |
| THIRD ANGLE PROJECTION | |

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IF MOTOR HAS 9 LEADS

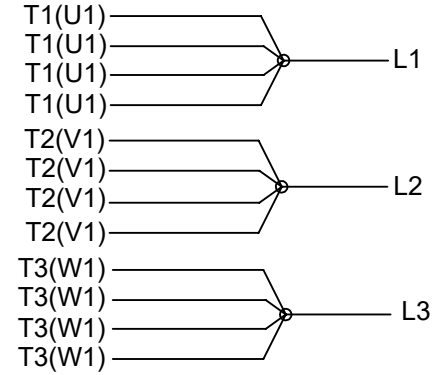


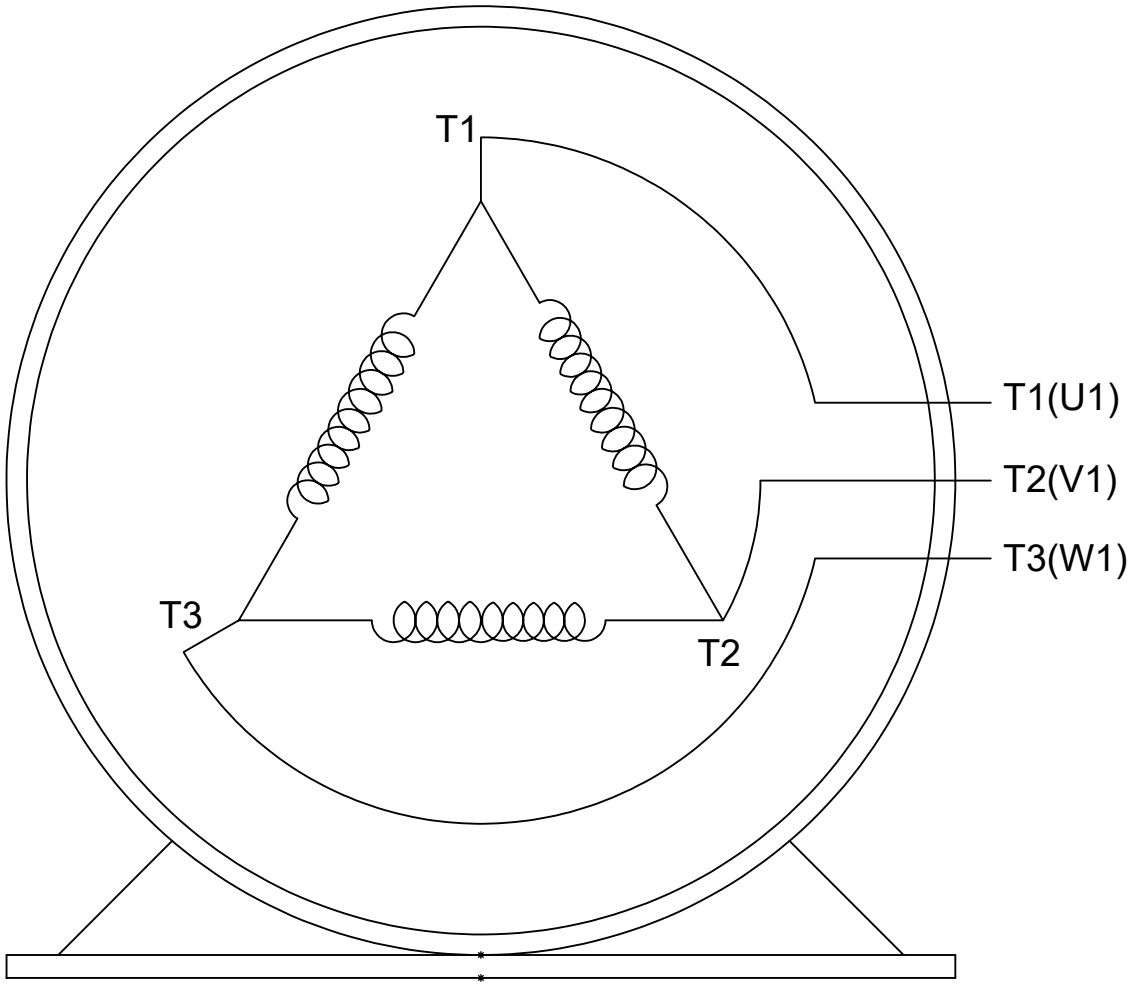

IF MOTOR HAS 6 LEADS




A-9806 DECAL IF CALLED FOR

IF MOTOR HAS 12 LEADS




VIEW OF TERMINAL END

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

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|---|---|
| DRAWN BY | DRS |
| DATE | 09-27-1996 |
| APPROVED BY | GK |
| DATE | 09-30-1996 |
| REFERENCE | |
| THIRD ANGLE PROJECTION | |

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DESCRIPTION
CONN DIAGRAM-EXTERNAL
3Ø SINGLE VOLTAGE

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

| SIZE | DRAWING NUMBER | SHEET |
|---|---|---|
| A | EE7300U | 1 OF 1 |