marathon®

# General Purpose Motors

**Model No:** 445TSTDCD6001
**Catalog No:** GT00017

General Purpose Motor, 250 & 200 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 3600 RPM, 445TS Frame, DP

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## Product Information Packet: Model No: 445TSTDCD6001, Catalog No: GT00017 General Purpose Motor, 250 & 200 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 3600 RPM, 445TS Frame, DP

### Nameplate Specifications

| | | | |
|---|---|---|---|
| Phase | **3** | Output HP | **250 & 200 Hp** |
| Output KW | **187.0 & 149.0 kW** | Voltage | **460 & 380 V** |
| Speed | **3577 & 2977 r/min** | Synchronous RPM | **3600 & 3000 r/min** |
| Service Factor | **1.15 & 1.15** | Frame | **445TS** |
| Enclosure | **Drip Proof** | Thermal Protection | **No Protection** |
| Efficiency | **95 & 94.8 %** | Ambient Temperature | **40 °C** |
| Frequency | **60 & 50 Hz** | Current | **270 & 262 A** |
| Power Factor | **91** | Duty | **Continuous** |
| Insulation Class | **F** | Design Code | **B** |
| KVA Code | **G** | Drive End Bearing Size | **6314** |
| Opp Drive End Bearing Size | **6314** | UL | **Recognized** |
| CSA | **Y** | CE | **Y** |
| IP Code | **22** | Number of Speeds | **1** |

### Technical Specifications

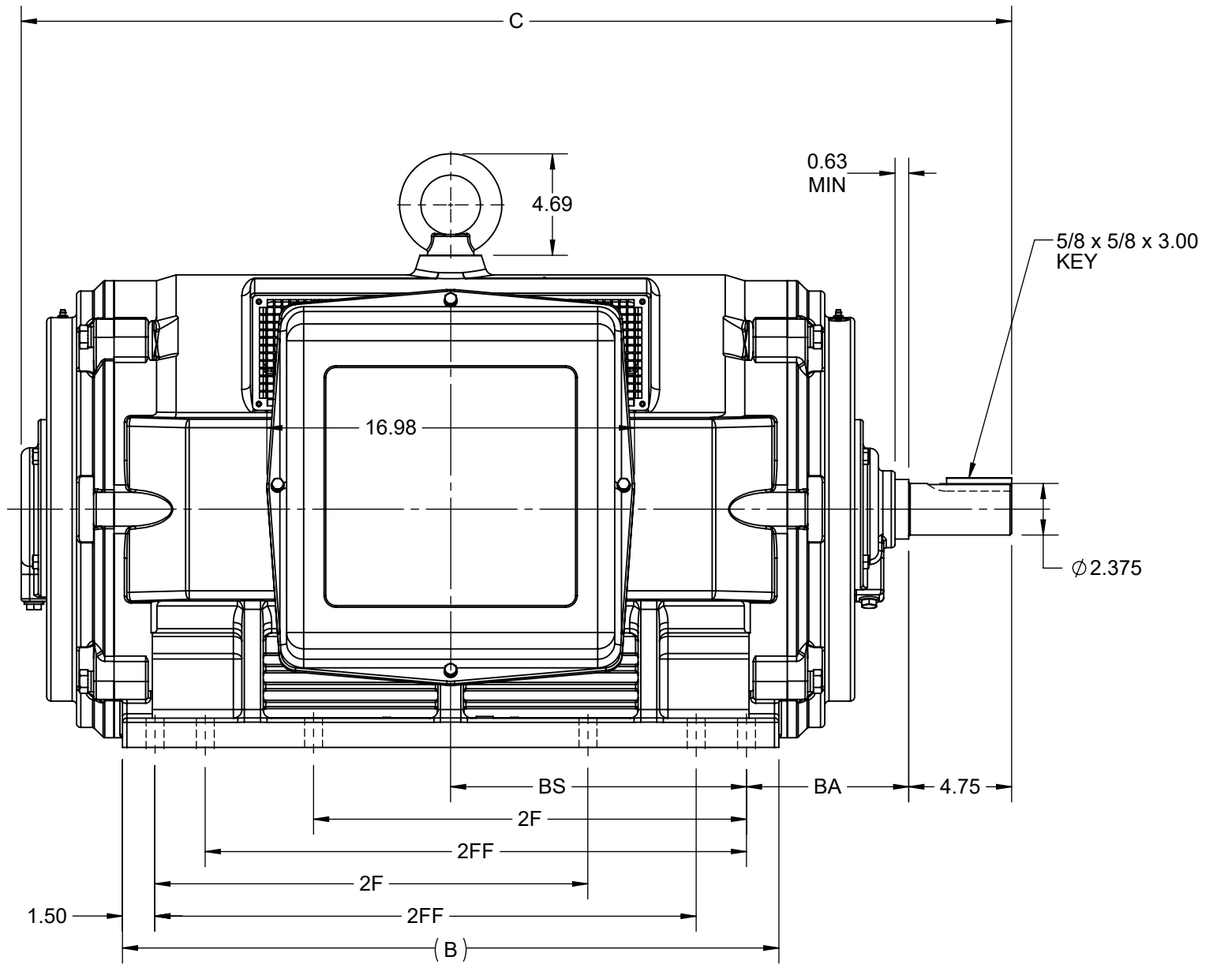
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|---|---|---|---|
| Electrical Type | **Squirrel Cage Inverter Rated** | Starting Method | **Part Wdg Start & Wye Start Delta Run Or Inverter** |
| Poles | **2** | Rotation | **Reversible** |
| Resistance Main | **.019 O** | Mounting | **Rigid Base** |
| Motor Orientation | **Horizontal** | Drive End Bearing | **Ball** |
| Opp Drive End Bearing | **Ball** | Frame Material | **Cast Iron** |
| Shaft Type | **TS** | Shaft Diameter | **2.375 in** |
| Assembly/Box Mounting | **F1/F2 Capable** | Inverter Load | **Variable 10:1** |

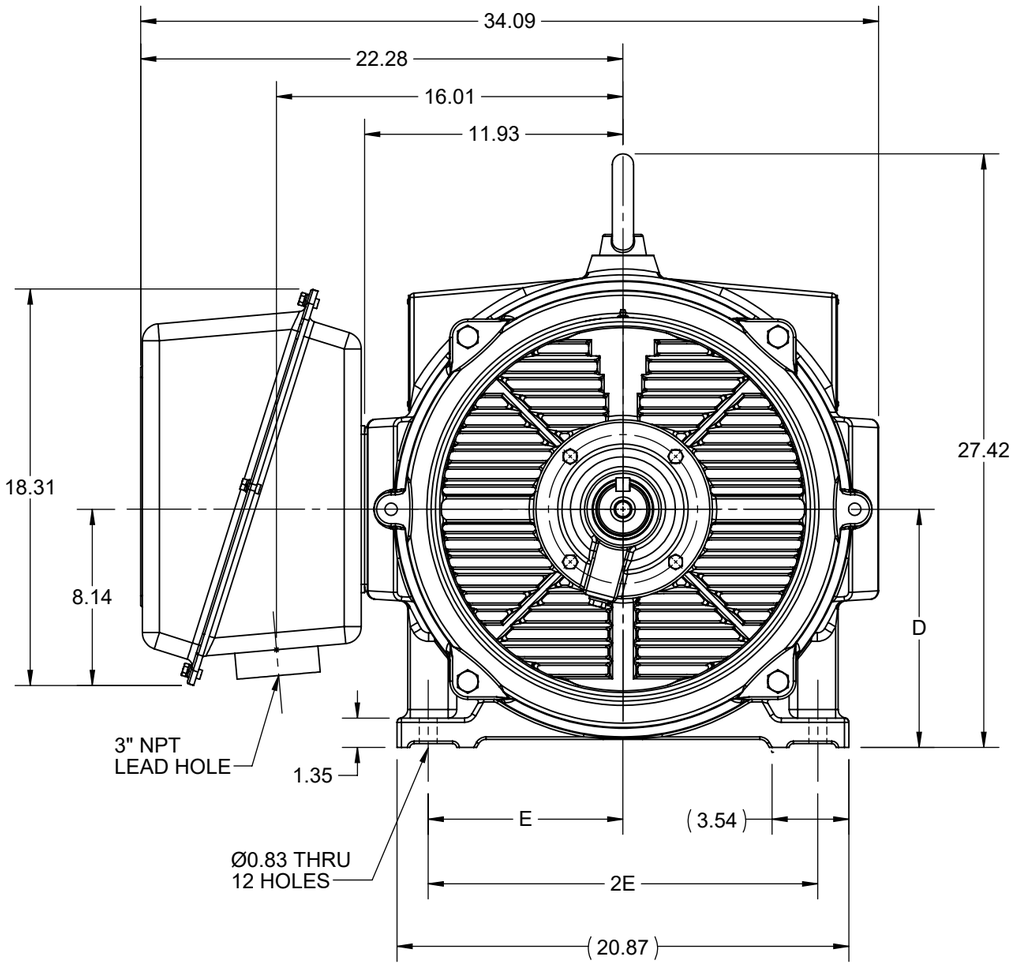
### Drawings

| | | | |
|---|---|---|---|
| Connection Drawing | **EE7300BH** | Outline Drawing | **SS620756-100** |

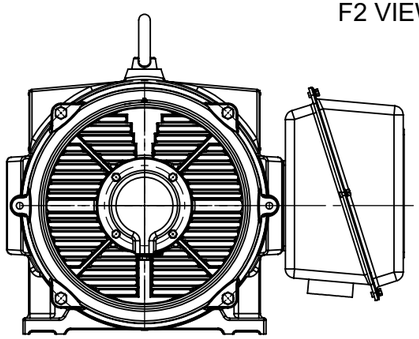
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| DASH NO. | B | C | D | E | 2E | 2F | 2FF | BA | BS | MOUNTING | FRAME |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | 25.20 | 40.64 | 11.00 | 9.00 | 18.00 | 14.50 | 16.50 | 7.50 | 11.10 | F1 OR F2 | 444/445TS |
| 200 | 30.31 | 45.76 | | | | 20.00 | 25.00 | | 13.66 | | 447/449TS |




F2 VIEW



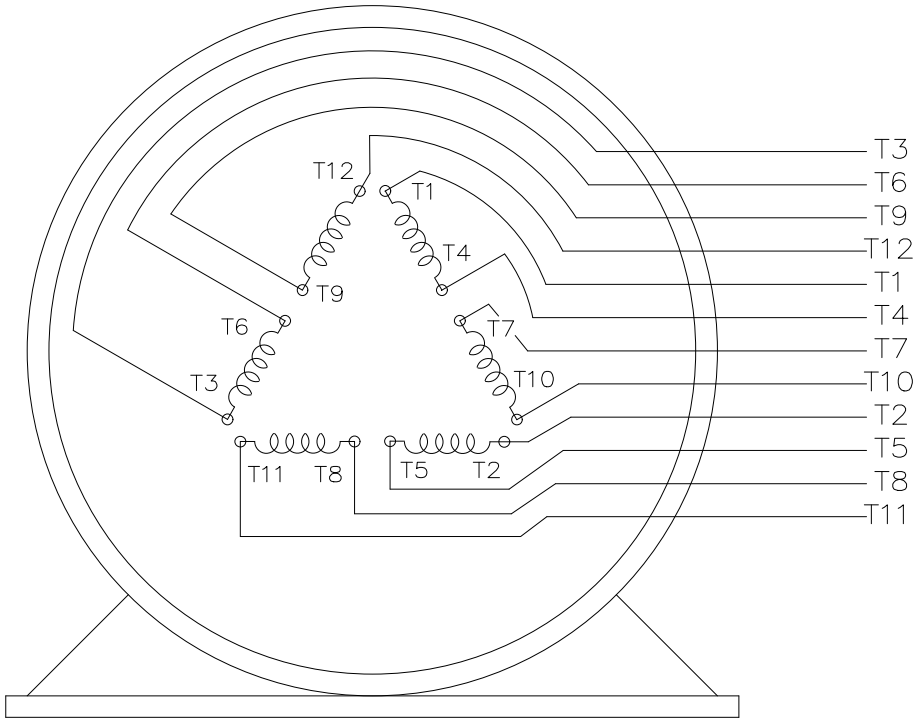
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| DRAWN BY: ZXW | marathon™ |
| DATE: 21/07/2016 | |
| APPROVED BY: | DESCRIPTION: OUTLINE 444/445/447/449TS FR NEMA ODP CAST IRON |
| DATE: | |
| REFERENCE: | MATERIAL: / PROCESS/FINISH: |
| THIRD ANGLE PROJECTION | SIZE: B / DRAWING NUMBER: SS620756 / SHEET: 1 OF 1 |

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VIEW OF TERMINAL END

T12(W4)
T1(U1)
T6(W2)
T7(U3)
LINE 1

T2(V1)
T4(U2)
T8(V3)
T10(U4)
LINE 2

T3(W1)
T5(V2)
T9(W3)
T11(V4)
LINE 3

| | | |
|---|---|---|
| DRAWING REVISION: E | REVISION BY: SB | REV DATE/ © DATE: 08/04/2025 |
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|---|---|---|
| DRAWN BY: RJW | marathon™ | |
| DATE: 02/11/2005 | | |
| APPROVED BY: GK | DESCRIPTION: CONNECTION DIAGRAM<br>12 LEAD - SINGLE VOLTAGE | |
| DATE: 02/11/2005 | | |
| REFERENCE | MATERIAL | PROCESS/FINISH |
| THIRD ANGLE PROJECTION | SIZE: A / DRAWING NUMBER: EE7300BH | SHEET: 1 OF 1 |