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# Severe Duty Motors

**Model No:** 444TSTFS6505
**Catalog No:** E494

Severe Duty Motor, 125 HP, 3 Ph, 60 Hz, 575 V, 3600 RPM, 444TS Frame, TEFC

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## Product Information Packet: Model No: 444TSTFS6505, Catalog No: E494  Severe Duty Motor, 125 HP, 3 Ph, 60 Hz, 575 V, 3600 RPM, 444TS Frame, TEFC

### Nameplate Specifications

| | | | |
|---|---|---|---|
| Phase | **3** | Output HP | **125 Hp** |
| Output KW | **93.0 kW** | Voltage | **575 V** |
| Speed | **3560 r/min** | Synchronous RPM | **3600 r/min** |
| Service Factor | **1.15** | Frame | **444TS** |
| Enclosure | **Totally Enclosed Fan Cooled** | Thermal Protection | **No Protection** |
| Efficiency | **95.4 %** | Ambient Temperature | **40 °C** |
| Frequency | **60 Hz** | Current | **109.0 A** |
| Power Factor | **90** | Duty | **Continuous** |
| Insulation Class | **F** | Design Code | **B** |
| KVA Code | **G** | Drive End Bearing Size | **6313** |
| Opp Drive End Bearing Size | **6313** | UL | **Recognized** |
| CSA | **Y** | CE | **Y** |
| IP Code | **54** | Hazardous Location | **DIVISION 2 T2B** |

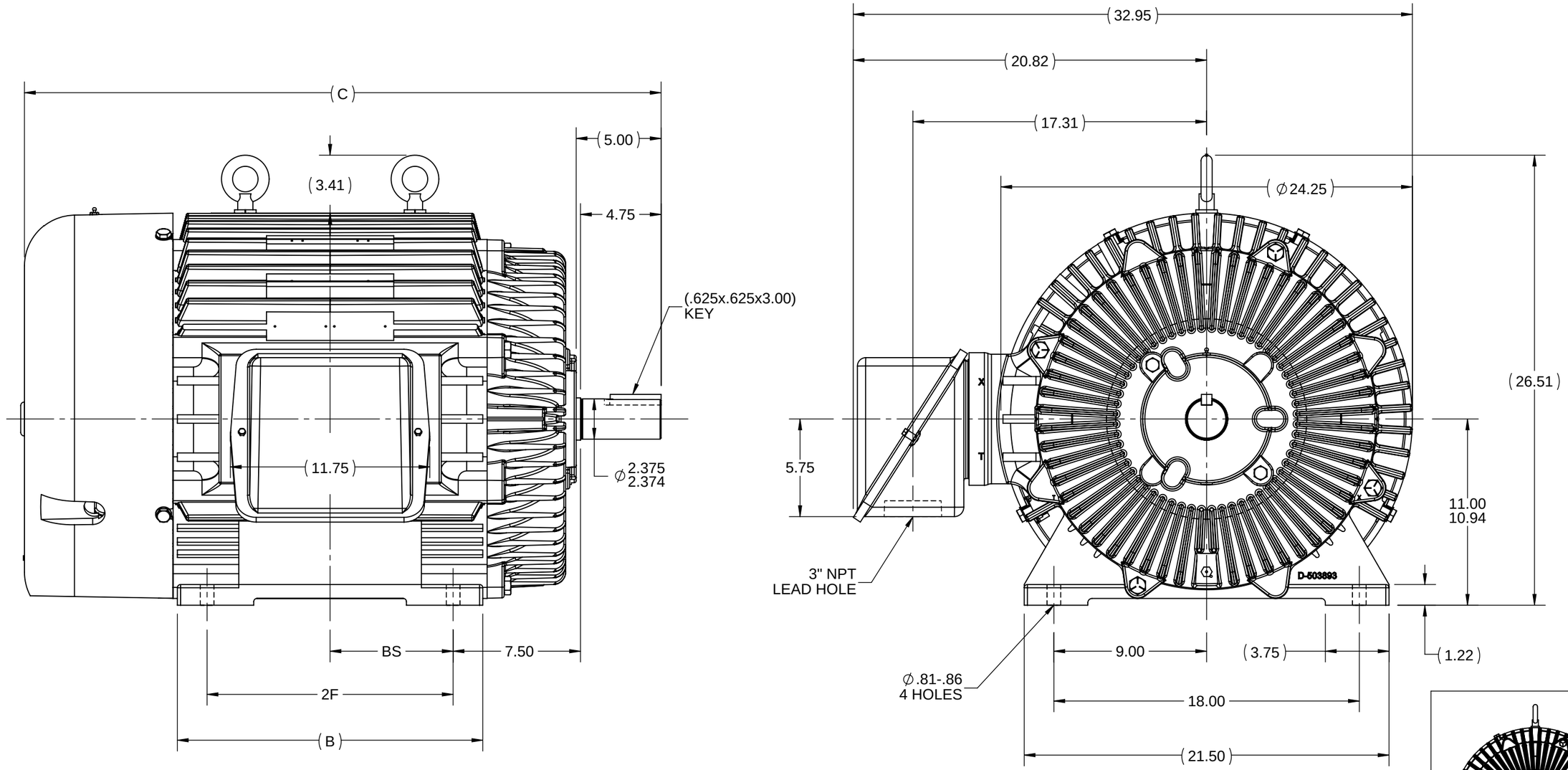
### Technical Specifications

| | | | |
|---|---|---|---|
| Electrical Type | **Squirrel Cage Inverter Rated** | Starting Method | **Line Or Inverter** |
| Poles | **2** | Rotation | **Reversible** |
| Resistance Main | **.037 O** | Mounting | **Rigid Base** |
| Motor Orientation | **Horizontal** | Drive End Bearing | **Ball** |
| Opp Drive End Bearing | **Ball** | Frame Material | **Cast Iron** |
| Shaft Type | **TS** | Overall Length | **37.52 in** |
| Frame Length | **18.5 in** | Shaft Diameter | **2 3/8 in** |
| Shaft Extension | **5 in** | Assembly/Box Mounting | **F1/F2 Capable** |
| Inverter Load | **Constant 2:1** | | |

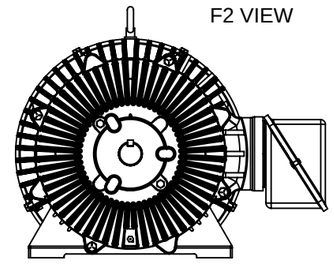
### Drawings

| | | | |
|---|---|---|---|
| Connection Drawing | **A-EE7300U** | Outline Drawing | **B-SS508844-1850** |

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F2 VIEW



NOTES:
1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
2. CONDUIT BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°
3. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

| DASH | FRAME | B | C | 2F | BS | |
|---|---|---|---|---|---|---|
| 1850 | 444TS | 18.00 | 37.52 | 14.50 | 7.25 | |
| 2050 | 445TS | 20.00 | 39.52 | 16.50 | 8.25 | |

| DRAWING REVISION | REVISION BY | REV DATE/© DATE |
|---|---|---|
| L | SV | 07/02/2026 |
| REQUEST NUMBER | APPROVED BY | DATE |
| CR-0026830 | RMS | 07/02/2026 |

REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK UPDATED

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TOLERANCES (EXCEPT AS NOTED):

| DEC. | INCH | mm | ANGLE |
|---|---|---|---|
| .X | ±0.1 | [±3] | ±7' 30" |
| .XX | ±0.03 | [±0.8] | |
| .XXX | ±0.005 | [±0.13] | |
| .XXXX | ±0.0005 | [±0.013] | |

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45°
CORNER FILLETS: R.02 [.5]
MACHINED SURFACES: 200/ 5.1/ INCH mm
mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY

| | |
|---|---|
| DRAWN BY | TLB |
| DATE | 1/6/1989 |
| APPROVED BY | GK |
| DATE | 1/6/1989 |
| REFERENCE | |

marathon™

DESCRIPTION
OUTLINE
440TS FR. - TEFC - TAPPED LEAD HOLE

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

THIRD ANGLE PROJECTION

| SIZE | DRAWING NUMBER | SHEET |
|---|---|---|
| B | SS508844 | 1 OF 1 |