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# General Purpose Motors

**Model No:** 286TSTDBD6000
**Catalog No:** GT0872

General Purpose Motor, 40 HP, 3 Ph, 60 Hz, 200 V, 3600 RPM, 286TS Frame, DP

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# Product Information Packet: Model No: 286TSTDBD6000, Catalog No: GT0872 General Purpose Motor, 40 HP, 3 Ph, 60 Hz, 200 V, 3600 RPM, 286TS Frame, DP

## Nameplate Specifications

| | | | |
|---|---|---|---|
| Phase | **3** | Output HP | **40 Hp** |
| Output KW | **30.0 kW** | Voltage | **200 V** |
| Speed | **3562 r/min** | Synchronous RPM | **3600 r/min** |
| Service Factor | **1.15** | Frame | **286TS** |
| Enclosure | **Drip Proof** | Thermal Protection | **No Protection** |
| Efficiency | **92.4 %** | Ambient Temperature | **40 °C** |
| Frequency | **60 Hz** | Current | **107.0 A** |
| Power Factor | **87** | Duty | **Continuous** |
| Insulation Class | **F** | Design Code | **B** |
| KVA Code | **F** | Drive End Bearing Size | **6211** |
| Opp Drive End Bearing Size | **6211** | UL | **Recognized** |
| CSA | **Y** | CE | **Y** |
| IP Code | **22** | Number of Speeds | **1** |

## Technical Specifications

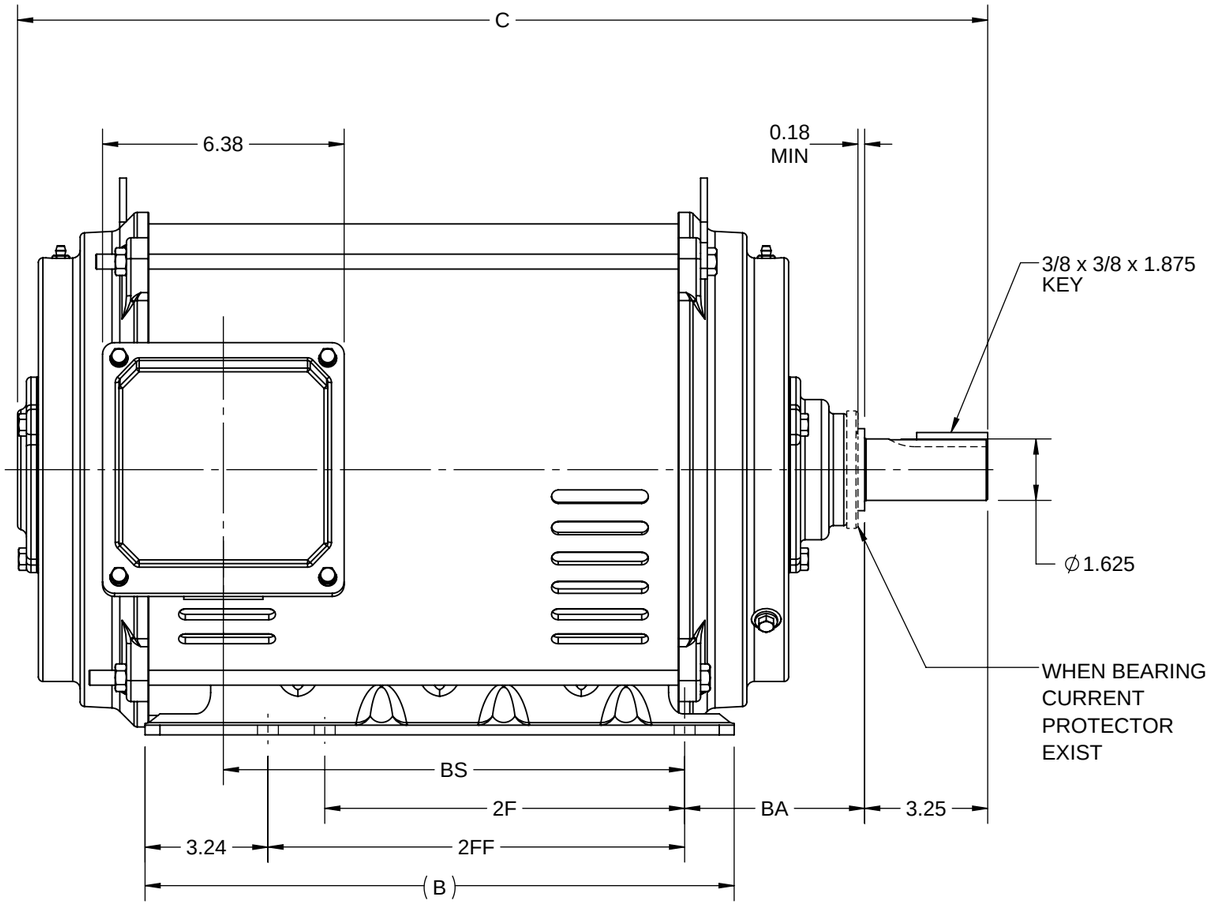
| | | | |
|---|---|---|---|
| Electrical Type | **Squirrel Cage Inverter Rated** | Starting Method | **Line Or Inverter** |
| Poles | **2** | Rotation | **Reversible** |
| Resistance Main | **.2468 O** | Mounting | **Rigid Base** |
| Motor Orientation | **Horizontal** | Drive End Bearing | **Ball** |
| Opp Drive End Bearing | **Ball** | Frame Material | **Rolled Steel** |
| Shaft Type | **TS** | Assembly/Box Mounting | **F1/F2 Capable** |
| Inverter Load | **Variable 10:1** | | |

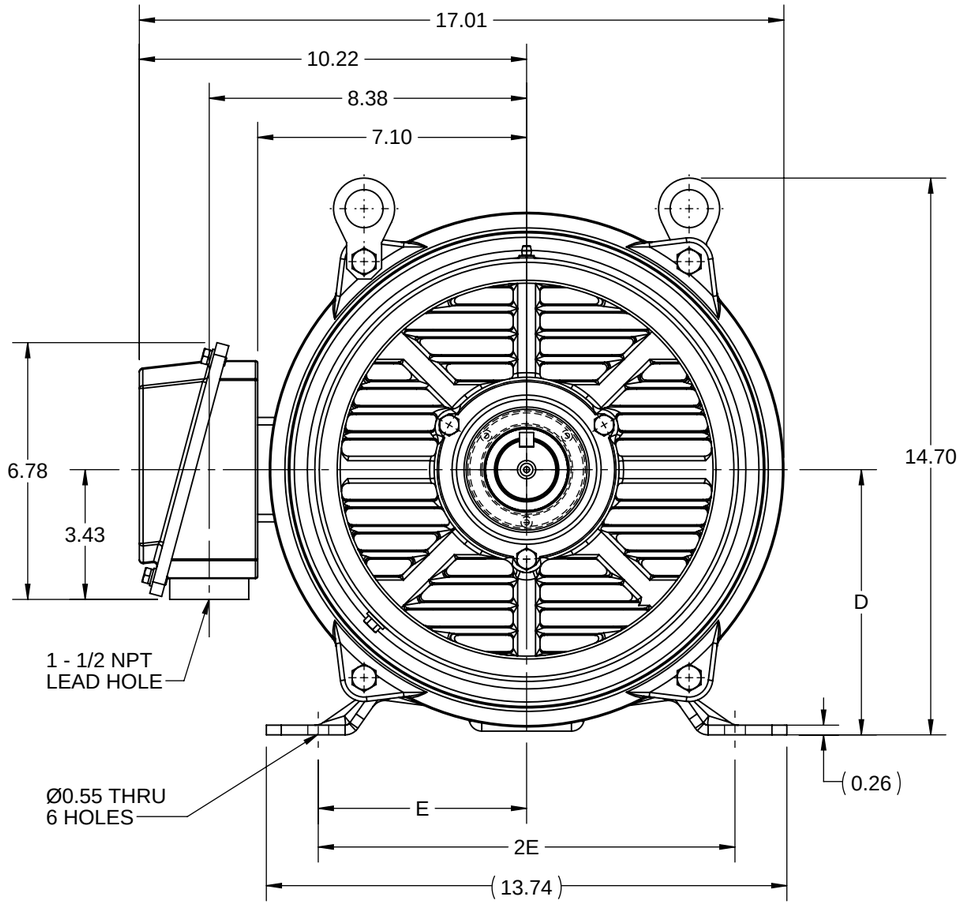
## Drawings

| | | | |
|---|---|---|---|
| Connection Drawing | **EE7300U** | Outline Drawing | **SS620709-200** |

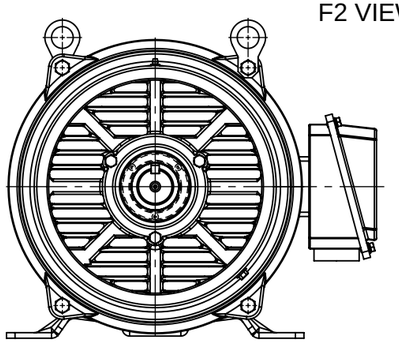
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| DASH NO. | B | C | D | E | 2E | 2F | 2FF | BA | BS | MOUNTING | FRAME |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | 15.55 | 24.23 | 7.00 | 5.50 | 11.00 | 9.50 | 11.00 | 4.75 | 10.80 | F1 OR F2 | 284TS |
| 200 | | 25.61 | | | | | | | 12.18 | | 286TS |




F2 VIEW



| DRAWING REVISION | REVISION BY | REV DATE/© DATE |
|---|---|---|
| E | SV | 05/22/2026 |
| REQUEST NUMBER | APPROVED BY | DATE |
| CR-0026372 | RMS | 05/22/2026 |

REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK UPDATED

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| DRAWN BY | VS |
| DATE | 12/02/2021 |
| APPROVED BY | GNK |
| DATE | 12/02/2021 |
| REFERENCE | |

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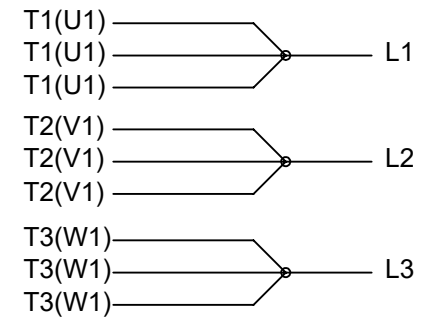
DESCRIPTION
OUTLINE
284/286TS FR NEMA ODP RS

MATERIAL | PROCESS/FINISH

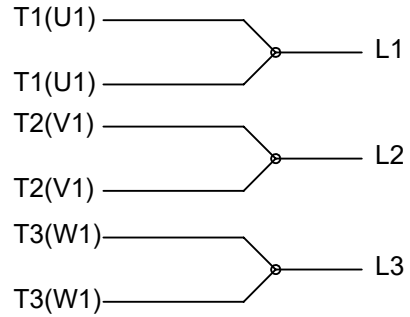
THIRD ANGLE PROJECTION

| SIZE | DRAWING NUMBER | SHEET |
|---|---|---|
| B | SS620709 | 1 OF 1 |

IF MOTOR HAS 9 LEADS

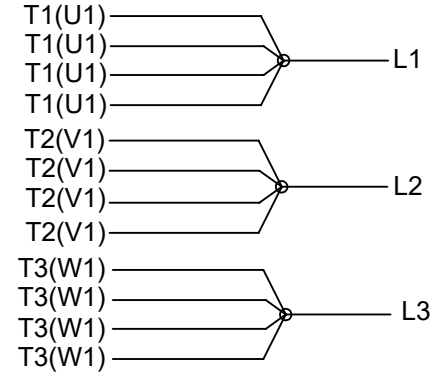


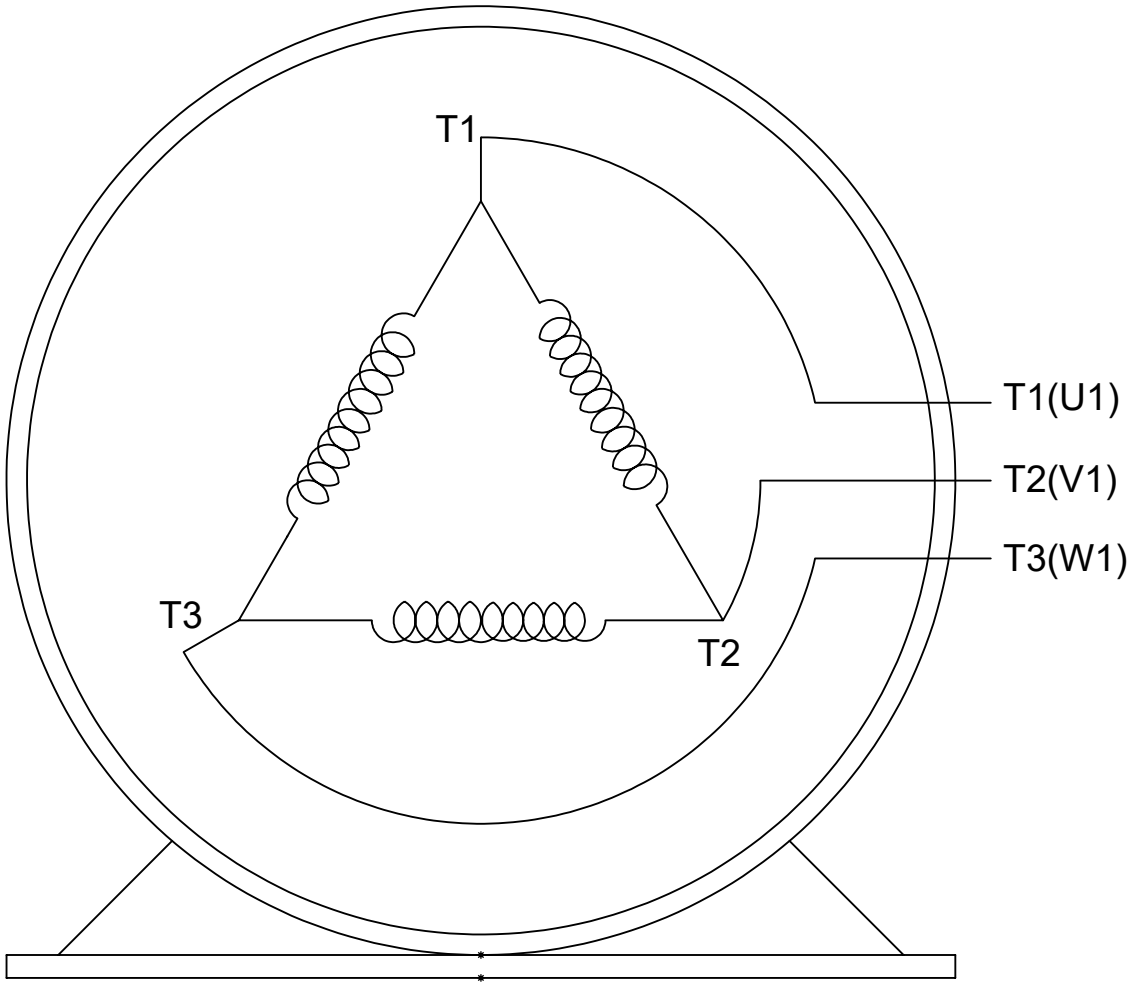

IF MOTOR HAS 6 LEADS




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 |