# Techtop Industries

## Nameplate and Performance Data

| NAMEPLATE DATA | | |
|---|---|---|
| | 60 Hz | 50 Hz |
| **Horsepower** | 200.0 | 200.0 |
| **Frame Size** | 447T | |
| **Speed, RPM** | 1780 | - |
| **Voltage** | 575 | - |
| **# Phase** | 3 | |
| **Full Load Amps** | 174.974706 | - |
| **Power Factor** | 0.89 | - |
| **Nominal Efficiency** | 96.2 | - |
| **3/4 Load Efficiency** | - | - |
| **Service Factor** | 1.15 | 1.0 |
| **Duty** | Cont. / S1 | |
| **FL Temp Rise °C** | 74.0 | - |
| **Enclosure** | TEFC | |
| **Ambient Temp °C** | 40 | |
| **KVA Code** | H | - |
| **FL Amps. @ 208 V** | - | - |
| **Insulation Class** | F | |
| **NEMA Design** | A | |
| **Weight** | 2055.06 | |
| **DE Bearing** | 6319C3 | |
| **NDE Bearing** | 6319C3 | |
| **dB No-Load** | - | |
| **Rotor Wk², Lb-Ft²** | - | |
| **Start Capacitor** | - | |
| **Start Capacitor V** | - | |
| **Run Capacitor** | - | |
| **Run Capacitor V** | - | |
| **Number of Leads** | 6 | |
| **Connection** | ? | |
| **Coil Resistance** | - | |

| **Motor Model:** | **GR3-CI-TF-447T-4-BR-F-200** |
|---|---|

Performance Load Values:

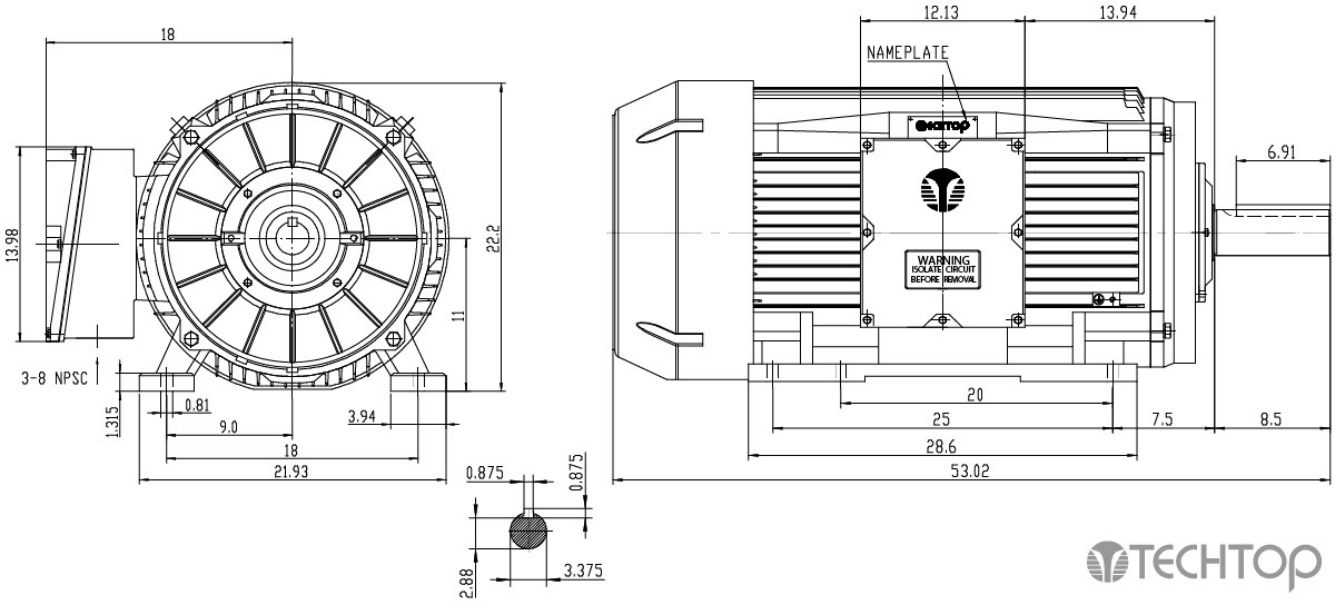
| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF |
|---|---|---|---|---|---|---|
| 0 | - | 84.68 | - | - | - | - |
| 25 | 50.0 | 100.46 | 40.44 | 1797.7 | 92.73 | 0.51 |
| 50 | 100.0 | 134.85 | 78.67 | 1795.5 | 95.34 | 0.73 |
| 75 | 150.0 | 177.4 | 117.4 | 1793.2 | 95.83 | 0.83 |
| 100 | 200.0 | 225.59 | 156.67 | 1790.9 | 95.74 | 0.87 |
| 125 | 250.0 | 256.15 | 180.49 | 1789.4 | 95.57 | 0.88 |
| 150 | 300.0 | 276.87 | 196.49 | 1788.5 | 95.43 | 0.89 |
| SF | - | - | - | - | - | - |

| | Torque, Lb-Ft | % Full Load Torque | Speed, RPM | Current Amps. |
|---|---|---|---|---|
| Locked Rotor Torque | 2627.68 | 450.0 | - | 2698.18 |
| Pull Up Torque | 1775.14 | 304.0 | - | - |
| Breakdown Torque | 2277.32 | 390.0 | - | - |
| Full Load | 583.928 | 100.0 | 1790.9 | 225.6 |

### Speed Torque Curve

Please contact Techtop for image.

### Dimensional Drawing




Dimensions are for reference only. Allowance should be made for minor deviations in non standard specified properties.

3D Image Link: Not available for this motor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