

Techtop Industries Nameplate and Performance Data

| NAMEPLATE DATA | | |
|--|----------------------|--------|
| | 60 Hz. | 50 Hz. |
| Horsepower | 100.0 | 100.0 |
| Frame Size | 405TS | |
| Speed, RPM | 3570 | - |
| Voltage | 3 Phase US (575V) | - |
| # Phase | 3 | |
| Full Load Amps | 87.47407117 | - |
| Power Factor | 0.9 | - |
| Nominal Efficiency | 94.1 | - |
| 3/4 Load Efficiency | - | - |
| Service Factor | 1.15 | 1.0 |
| Duty | Cont. / S1 | |
| FL Temp Rise °C | 67.0 | - |
| Enclosure | TEFC | |
| Ambient Temp °C | 40 | |
| KVA Code | K | - |
| FL Amps. @ 208 V | - | - |
| Insulation Class | F | |
| NEMA Design | A | |
| Weight | 1020.91 | |
| DE Bearing | 6314C3 | |
| NDE Bearing | 6314C3 | |
| dB No-Load | - | |
| Rotor Wk ² , Lb-Ft ² | - | |
| Start Capacitor | - | |
| Start Capacitor V | - | |
| Run Capacitor | - | |
| Run Capacitor V | - | |
| Number of Leads | 6 | |
| Connection | ? | |
| Coil Resistance | - | |

| | |
|---------------------|-----------------------------------|
| Motor Model: | GR3-CI-TF-405TS-2-BR-F-100 |
|---------------------|-----------------------------------|

Performance Load Values:

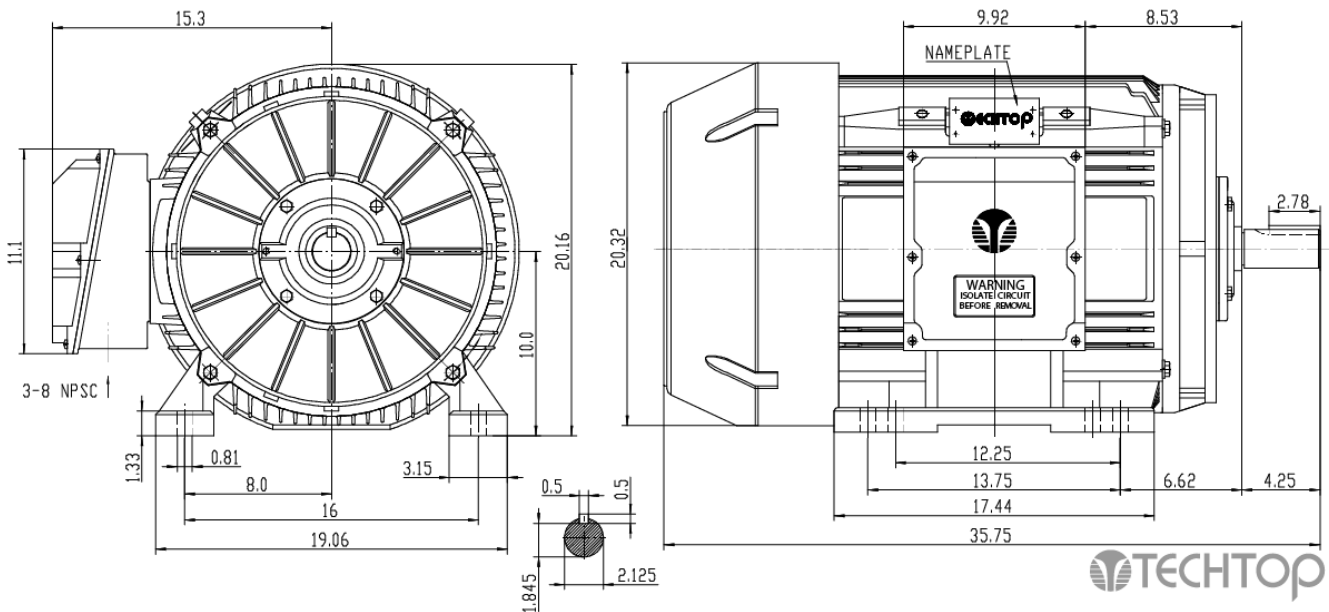
| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF |
|--------|------------|---------------|------------------------|------------|------------|------|
| 0 | 50.0 | 24.33 | - | - | - | - |
| 25 | 50.0 | 36.85 | 21.13 | 3592.6 | 88.75 | 0.72 |
| 50 | 50.0 | 59.11 | 40.34 | 3585.3 | 92.96 | 0.86 |
| 75 | 75.0 | 83.45 | 59.87 | 3577.4 | 93.96 | 0.9 |
| 100 | 100.0 | 109.64 | 79.74 | 3568.9 | 94.05 | 0.91 |
| 125 | 50.0 | 137.44 | 100.0 | 3559.8 | 93.75 | 0.91 |
| 150 | 50.0 | 166.62 | 120.67 | 3550.1 | 93.23 | 0.91 |
| SF | - | - | - | - | - | - |

| | Torque, Lb-Ft | % Full Load Torque | Speed, RPM | Current Amps. |
|---------------------|---------------|--------------------|------------|---------------|
| Locked Rotor Torque | 479.374 | 324.0 | - | 941.0 |
| Pull Up Torque | 303.308 | 205.0 | - | - |
| Breakdown Torque | 449.783 | 304.0 | - | - |
| Full Load | 147.955 | 100.0 | 3568.9 | 109.6 |

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

