

## Techtop Industries Nameplate and Performance Data

| NAMEPLATE DATA                             |               |         |
|--|---------------|---------|
|  | 60 Hz.        | 50 Hz.  |
| Horsepower                                 | 100.0         | 100.0   |
| Frame Size                                 | 405TS         |         |
| Speed, RPM                                 | 3570          | 2950    |
| Voltage                                    | 3 Phase US    | 190/380 |
| # Phase                                    | 3             |         |
| Full Load Amps                             | 218.69/109.34 | 268/134 |
| Power Factor                               | 0.9           | -       |
| Nominal Efficiency                         | 94.1          | 92.5    |
| 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             | E       |
| FL Amps. @ 208 V                           | -             | -       |
| Insulation Class                           | F             |         |
| NEMA Design                                | A             |         |
| Weight                                     | 1020.91       |         |
| DE Bearing                                 | 6314C3        |         |
| NDE Bearing                                | 6314C3        |         |
| dB No-Load                                 | -             |         |
| Rotor Wk <sup>2</sup> , Lb-Ft <sup>2</sup> | -             |         |
| Start Capacitor                            |               |         |
| Start Capacitor V                          | -             |         |
| Run Capacitor                              |               |         |
| Run Capacitor V                            | -             |         |
| Number of Leads                            | 12            |         |
| Connection                                 | ??/?          |         |
| Coil Resistance                            | 0.080509      |         |

|                     |                                   |
|---------------------|-----------------------------------|
| <b>Motor Model:</b> | <b>GR3-CI-TF-405TS-2-BR-D-100</b> |
|---------------------|-----------------------------------|

Performance Load Values:

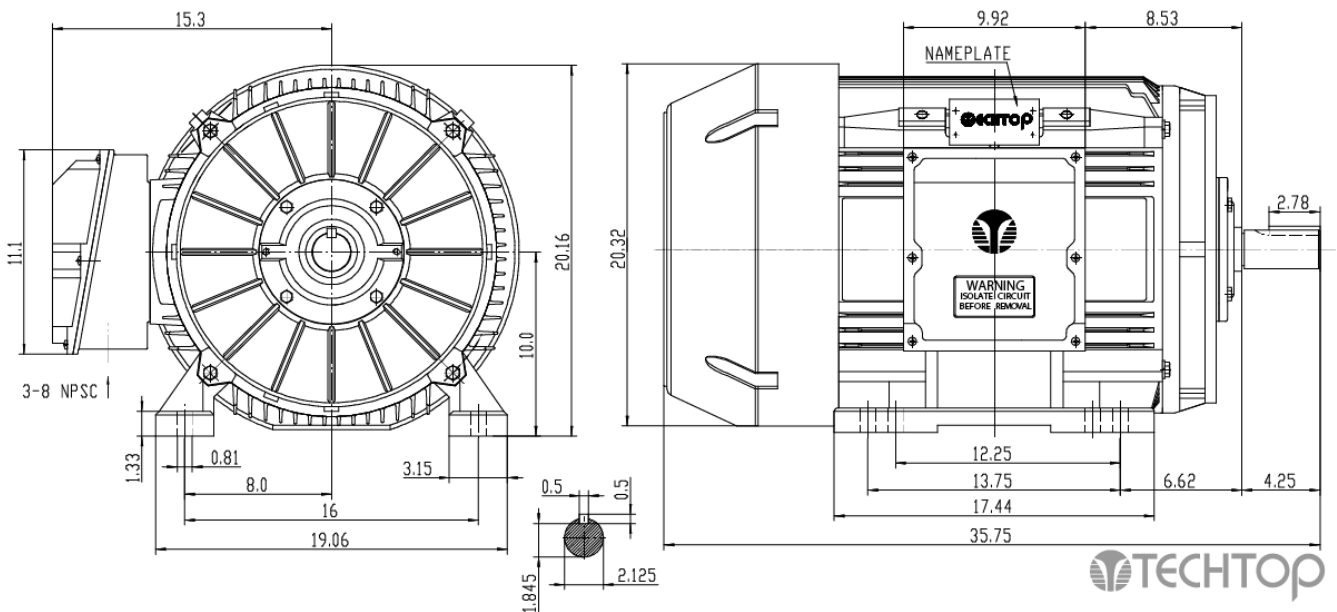
| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF   |
|--------|------------|---------------|------------------------|------------|------------|------|
| 0      | 50.0       | 24.33         | -                      | -          | -          | -    |
| 25     | 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