

## Techtop Industries Nameplate and Performance Data

| NAMEPLATE DATA                             |                      |        |
|--|----------------------|--------|
|  | 60 Hz.               | 50 Hz. |
| Horsepower                                 | 150.0                | 150.0  |
| Frame Size                                 | 445TS                |        |
| Speed, RPM                                 | 3575                 | -      |
| Voltage                                    | 3 Phase US<br>(575V) | -      |
| # Phase                                    | 3                    |        |
| Full Load Amps                             | 131.4121437          | -      |
| Power Factor                               | 0.91                 | -      |
| Nominal Efficiency                         | 95.0                 | -      |
| 3/4 Load Efficiency                        | -                    | -      |
| Service Factor                             | 1.15                 | 1.0    |
| Duty                                       | Cont. / S1           |        |
| FL Temp Rise °C                            | 79.0                 | -      |
| Enclosure                                  | TEFC                 |        |
| Ambient Temp °C                            | 40                   |        |
| KVA Code                                   | H                    | -      |
| FL Amps. @ 208 V                           | -                    | -      |
| Insulation Class                           | F                    |        |
| NEMA Design                                | A                    |        |
| Weight                                     | 1543.5               |        |
| DE Bearing                                 | 6316C3               |        |
| NDE Bearing                                | 6316C3               |        |
| 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                            | 6                    |        |
| Connection                                 | ?                    |        |
| Coil Resistance                            | -                    |        |

|                     |                                   |
|---------------------|-----------------------------------|
| <b>Motor Model:</b> | <b>GR3-CI-TF-445TS-2-BR-F-150</b> |
|---------------------|-----------------------------------|

Performance Load Values:

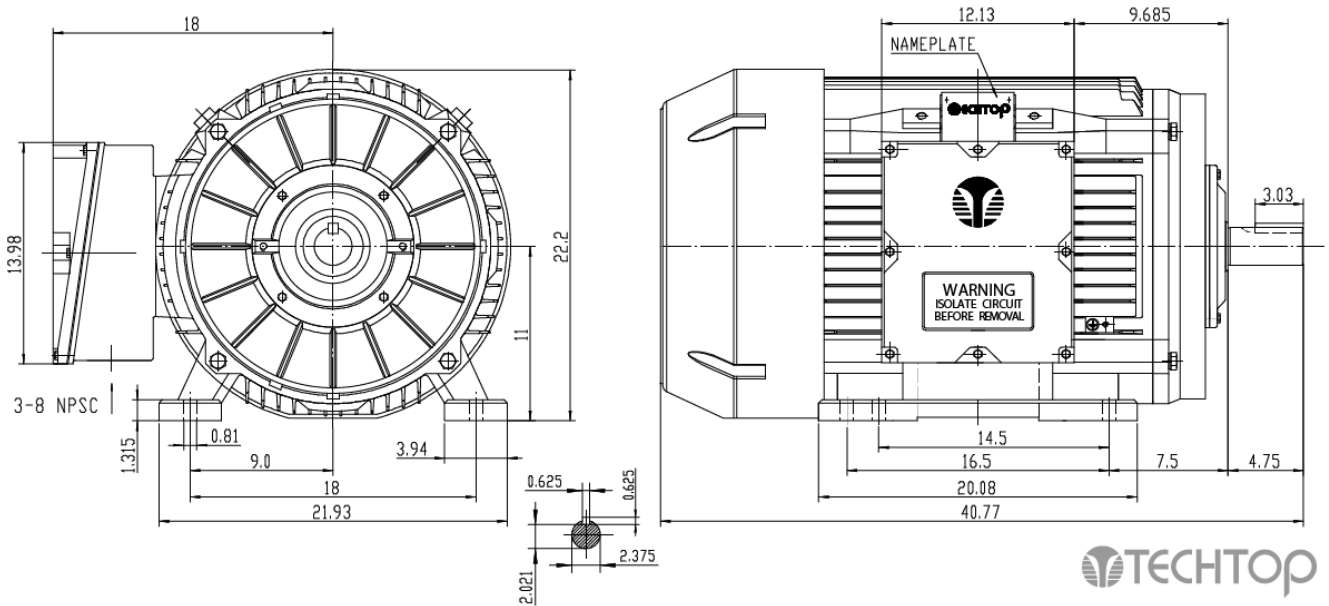
| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF   |
|--------|------------|---------------|------------------------|------------|------------|------|
| 0      | 75.0       | 46.94         | -                      | -          | -          | -    |
| 25     | 75.0       | 66.5          | 35.33                  | 3595.2     | 91.08      | 0.67 |
| 50     | 75.0       | 101.33        | 68.1                   | 3590.6     | 94.5       | 0.84 |
| 75     | 112.5      | 141.18        | 101.28                 | 3585.8     | 95.31      | 0.9  |
| 100    | 150.0      | 184.27        | 134.9                  | 3580.8     | 95.4       | 0.92 |
| 125    | 75.0       | 210.93        | 155.28                 | 3577.7     | 95.32      | 0.92 |
| 150    | 75.0       | 228.81        | 168.96                 | 3575.6     | 95.22      | 0.93 |
| SF     | -          | -             | -                      | -          | -          | -    |

|                     | Torque, Lb-Ft | % Full Load Torque | Speed, RPM | Current Amps. |
|---------------------|---------------|--------------------|------------|---------------|
| Locked Rotor Torque | 905.299       | 359.0              | -          | 1218.0        |
| Pull Up Torque      | 660.692       | 262.0              | -          | -             |
| Breakdown Torque    | 1366.77       | 542.0              | -          | -             |
| Full Load           | 252.173       | 100.0              | 3584.3     | 184.3         |

### 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

