

## Techtop Industries Nameplate and Performance Data

| NAMEPLATE DATA                             |             |       |
|--|-------------|-------|
|  | 60 Hz       | 50 Hz |
| Horsepower                                 | 150.0       | 150.0 |
| Frame Size                                 | 447TC       |       |
| Speed, RPM                                 | 1180        | 980   |
| Voltage                                    | 460         | 380   |
| # Phase                                    | 3           |       |
| Full Load Amps                             | 170.4698846 | 205   |
| Power Factor                               | 0.87        | -     |
| Nominal Efficiency                         | 95.8        | 94.0  |
| 3/4 Load Efficiency                        | -           | -     |
| Service Factor                             | 1.15        | 1.0   |
| Duty                                       | Cont. / S1  |       |
| FL Temp Rise °C                            | 86.0        | -     |
| Enclosure                                  | TEFC        |       |
| Ambient Temp °C                            | 40          |       |
| KVA Code                                   | H           | E     |
| FL Amps. @ 208 V                           | -           | -     |
| Insulation Class                           | F           |       |
| NEMA Design                                | A           |       |
| Weight                                     | 2041.83     |       |
| DE Bearing                                 | NU319       |       |
| NDE Bearing                                | 6319C3      |       |
| 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-447TC-6-RR-E-150</b> |
|---------------------|-----------------------------------|

Performance Load Values:

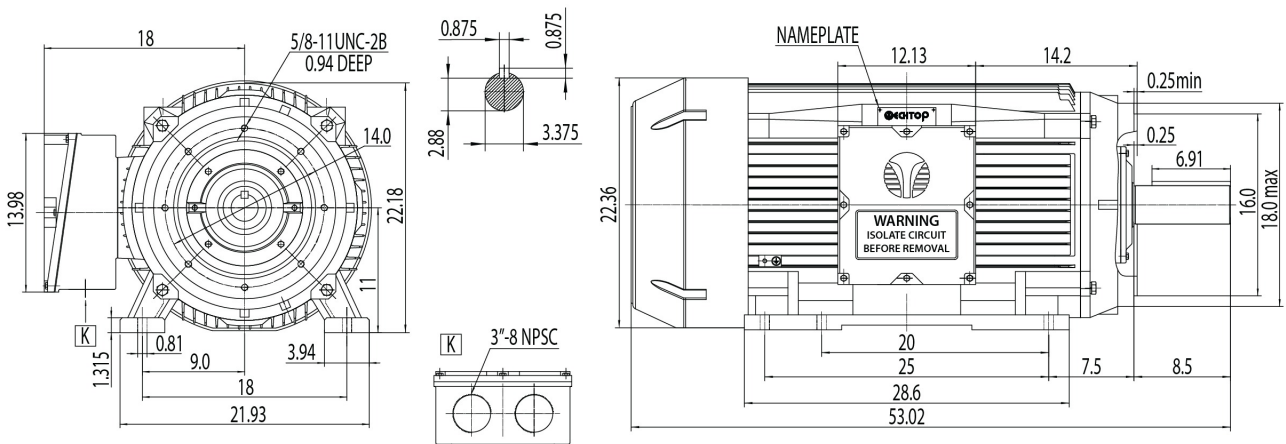
| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF   |
|--------|------------|---------------|------------------------|------------|------------|------|
| 0      | -          | 84.78         | -                      | -          | -          | -    |
| 25     | 37.5       | 96.55         | 35.54                  | 1197.9     | 90.75      | 0.46 |
| 50     | 75.0       | 125.58        | 68.42                  | 1196.0     | 94.27      | 0.68 |
| 75     | 112.5      | 162.53        | 101.76                 | 1193.9     | 95.08      | 0.79 |
| 100    | 150.0      | 205.53        | 135.61                 | 1191.6     | 95.13      | 0.83 |
| 125    | 187.5      | 252.72        | 170.0                  | 1189.2     | 94.85      | 0.84 |
| 150    | 225.0      | 302.22        | 204.97                 | 1186.6     | 94.4       | 0.85 |
| SF     | -          | -             | -                      | -          | -          | -    |

|                     | Torque, Lb-Ft | % Full Load Torque | Speed, RPM | Current Amps. |
|---------------------|---------------|--------------------|------------|---------------|
| Locked Rotor Torque | 2127.76       | 279.0              | -          | 1740.58       |
| Pull Up Torque      | 1677.81       | 220.0              | -          | -             |
| Breakdown Torque    | 2547.22       | 334.0              | -          | -             |
| Full Load           | 762.639       | 100.0              | 1193.4     | 205.5         |

### 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