

## Techtop Industries Nameplate and Performance Data

| NAMEPLATE DATA                             |            |           |
|--|------------|-----------|
|  | 60 Hz      | 50 Hz     |
| Horsepower                                 | 2.0        | 2.0       |
| Frame Size                                 | 145T       |           |
| Speed, RPM                                 | 3500       | 2880      |
| Voltage                                    | 230/460    | 190/380   |
| # Phase                                    | 3          |           |
| Full Load Amps                             | 5.18/2.59  | 6.16/3.08 |
| Power Factor                               | 0.85       | -         |
| Nominal Efficiency                         | 85.5       | 83.8      |
| 3/4 Load Efficiency                        | -          | -         |
| Service Factor                             | 1.25       | 1.0       |
| Duty                                       | Cont. / S1 |           |
| FL Temp Rise °C                            | 39.7       | 39.0      |
| Enclosure                                  | TEFC       |           |
| Ambient Temp °C                            | 40         |           |
| KVA Code                                   | L          | H         |
| FL Amps. @ 208 V                           | 5.58       | -         |
| Insulation Class                           | F          |           |
| NEMA Design                                | B          |           |
| Weight                                     | 29.5       |           |
| DE Bearing                                 | 6205ZZ     |           |
| NDE Bearing                                | 6205ZZ     |           |
| 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                            | 9          |           |
| Connection                                 | YY/Y       |           |
| Coil Resistance                            | -          |           |

|                     |                               |
|---------------------|-------------------------------|
| <b>Motor Model:</b> | <b>GR3-AL-TF-145T-2-B-D-2</b> |
|---------------------|-------------------------------|

Performance Load Values:

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF   |
|--------|------------|---------------|------------------------|------------|------------|------|
| 0      | -          | 1.29          | -                      | -          | -          | -    |
| 25     | 0.5        | 1.37          | 489.13                 | 3575.5     | 76.67      | 0.45 |
| 50     | 1.0        | 1.67          | 887.26                 | 3554.1     | 84.53      | 0.67 |
| 75     | 1.5        | 2.08          | 1302.5                 | 3529.7     | 86.37      | 0.79 |
| 100    | 2.0        | 2.58          | 1738.8                 | 3502.4     | 86.27      | 0.85 |
| 125    | 2.5        | 3.14          | 2199.9                 | 3472.1     | 85.23      | 0.88 |
| 150    | 3.0        | 3.77          | 2689.5                 | 3438.8     | 83.66      | 0.89 |
| SF     | -          | -             | -                      | -          | -          | -    |

|                     | Torque, Lb-Ft | % Full Load Torque | Speed, RPM | Current Amps. |
|---------------------|---------------|--------------------|------------|---------------|
| Locked Rotor Torque | 8.91226       | 2.94               | -          | 23.2974       |
| Pull Up Torque      | 6.12339       | 2.02               | -          | -             |
| Breakdown Torque    | 10.0642       | 3.32               | -          | -             |
| Full Load           | 3.03138       | 100.0              | -          | 2.58          |

### Speed Torque Curve

Please contact Techtop for image.

### Dimensional Drawing

Please contact Techtop for image.

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