

Techtop Industries Nameplate and Performance Data

| NAMEPLATE DATA | | |
|--|------------|-----------|
| | 60 Hz | 50 Hz |
| Horsepower | 2.0 | 2.0 |
| Frame Size | 145TC | |
| 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 ² , Lb-Ft ² | - | |
| Start Capacitor | - | |
| Start Capacitor V | - | |
| Run Capacitor | - | |
| Run Capacitor V | - | |
| Number of Leads | 9 | |
| Connection | YY/Y | |
| Coil Resistance | - | |

| | |
|---------------------|--------------------------------|
| Motor Model: | GR3-AL-TF-145TC-2-B-D-2 |
|---------------------|--------------------------------|

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