

## Techtop Industries Nameplate and Performance Data

| NAMEPLATE DATA                                 |            |           |
|--|------------|-----------|
|  | 60 Hz      | 50 Hz     |
| <b>Horsepower</b>                              | 1.0        | 1.0       |
| <b>Frame Size</b>                              | 143TC      |           |
| <b>Speed, RPM</b>                              | 1730       | 1425      |
| <b>Voltage</b>                                 | 230/460    | 190/380   |
| <b># Phase</b>                                 | 3          |           |
| <b>Full Load Amps</b>                          | 2.98/1.49  | 3.50/1.75 |
| <b>Power Factor</b>                            | 0.74       | -         |
| <b>Nominal Efficiency</b>                      | 85.5       | 83.2      |
| <b>3/4 Load Efficiency</b>                     | -          | -         |
| <b>Service Factor</b>                          | 1.25       | 1.0       |
| <b>Duty</b>                                    | Cont. / S1 |           |
| <b>FL Temp Rise °C</b>                         | -          | 26.0      |
| <b>Enclosure</b>                               | TEFC       |           |
| <b>Ambient Temp °C</b>                         | 40         |           |
| <b>KVA Code</b>                                | K          | G         |
| <b>FL Amps. @ 208 V</b>                        | 3.1        | -         |
| <b>Insulation Class</b>                        | F          |           |
| <b>NEMA Design</b>                             | B          |           |
| <b>Weight</b>                                  | 28.0       |           |
| <b>DE Bearing</b>                              | 6205ZZ     |           |
| <b>NDE Bearing</b>                             | 6205ZZ     |           |
| <b>dB No-Load</b>                              | -          |           |
| <b>Rotor Wk<sup>2</sup>, Lb-Ft<sup>2</sup></b> | -          |           |
| <b>Start Capacitor</b>                         | -          |           |
| <b>Start Capacitor V</b>                       | -          |           |
| <b>Run Capacitor</b>                           | -          |           |
| <b>Run Capacitor V</b>                         | -          |           |
| <b>Number of Leads</b>                         | 9          |           |
| <b>Connection</b>                              | YY/Y       |           |
| <b>Coil Resistance</b>                         | -          |           |

|                     |                                |
|---------------------|--------------------------------|
| <b>Motor Model:</b> | <b>GR3-AL-TF-143TC-4-B-D-1</b> |
|---------------------|--------------------------------|

Performance Load Values:

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF |
|--------|------------|---------------|------------------------|------------|------------|----|
| 0      | -          | -             | -                      | -          | -          | -  |
| 25     | 0.25       | -             | -                      | -          | -          | -  |
| 50     | 0.5        | -             | -                      | -          | -          | -  |
| 75     | 0.75       | -             | -                      | -          | -          | -  |
| 100    | 1.0        | -             | -                      | -          | -          | -  |
| 125    | 1.25       | -             | -                      | -          | -          | -  |
| 150    | 1.5        | -             | -                      | -          | -          | -  |
| SF     | -          | -             | -                      | -          | -          | -  |

|                     | Torque, Lb-Ft | % Full Load Torque | Speed, RPM | Current Amps. |
|---------------------|---------------|--------------------|------------|---------------|
| Locked Rotor Torque | -             | -                  | -          | -             |
| Pull Up Torque      | -             | -                  | -          | -             |
| Breakdown Torque    | -             | -                  | -          | -             |
| Full Load           | -             | 100.0              | -          | -             |

### 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