

## Techtop Industries Nameplate and Performance Data

| NAMEPLATE DATA                                 |             |           |
|--|-------------|-----------|
|  | 60 Hz       | 50 Hz     |
| <b>Horsepower</b>                              | 25.0        | 25.0      |
| <b>Frame Size</b>                              | 284JP       |           |
| <b>Speed, RPM</b>                              | 1770        | 1460      |
| <b>Voltage</b>                                 | 230/460     | 190/380   |
| <b># Phase</b>                                 | 3           |           |
| <b>Full Load Amps</b>                          | 58.84/29.42 | 70.4/35.2 |
| <b>Power Factor</b>                            | 0.85        | -         |
| <b>Nominal Efficiency</b>                      | 93.6        | 90.5      |
| <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>                         | 51.0        | -         |
| <b>Enclosure</b>                               | TEFC        |           |
| <b>Ambient Temp °C</b>                         | 40          |           |
| <b>KVA Code</b>                                | K           | F         |
| <b>FL Amps. @ 208 V</b>                        | 65.0669     | -         |
| <b>Insulation Class</b>                        | F           |           |
| <b>NEMA Design</b>                             | A           |           |
| <b>Weight</b>                                  | 366.03      |           |
| <b>DE Bearing</b>                              | 6311C3      |           |
| <b>NDE Bearing</b>                             | 6311C3      |           |
| <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>                         | 12          |           |
| <b>Connection</b>                              | ??/?        |           |
| <b>Coil Resistance</b>                         | -           |           |

|                     |                                  |
|---------------------|----------------------------------|
| <b>Motor Model:</b> | <b>GR3-CI-TF-284JP-4-BR-D-25</b> |
|---------------------|----------------------------------|

Performance Load Values:

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF   |
|--------|------------|---------------|------------------------|------------|------------|------|
| 0      | -          | 11.63         | -                      | -          | -          | -    |
| 25     | 6.25       | 11.99         | 5.36                   | 1793.7     | 86.79      | 0.56 |
| 50     | 12.5       | 17.43         | 10.15                  | 1788.3     | 91.59      | 0.73 |
| 75     | 18.75      | 22.92         | 15.03                  | 1782.5     | 92.84      | 0.82 |
| 100    | 25.0       | 28.72         | 19.99                  | 1776.1     | 93.05      | 0.87 |
| 125    | 31.25      | 35.08         | 25.06                  | 1769.2     | 92.77      | 0.9  |
| 150    | 37.5       | 42.26         | 30.27                  | 1761.8     | 92.17      | 0.9  |
| SF     | -          | -             | -                      | -          | -          | -    |

|                     | Torque, Lb-Ft | % Full Load Torque | Speed, RPM | Current Amps. |
|---------------------|---------------|--------------------|------------|---------------|
| Locked Rotor Torque | 209.565       | 283.0              | -          | 269.106       |
| Pull Up Torque      | 152.546       | 206.0              | -          | -             |
| Breakdown Torque    | 259.179       | 350.0              | -          | -             |
| Full Load           | 74.0512       | 100.0              | 1776.1     | 28.72         |

### 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