

## Techtop Industries Nameplate and Performance Data

| NAMEPLATE DATA                             |             |           |
|--|-------------|-----------|
|  | 60 Hz       | 50 Hz     |
| Horsepower                                 | 25.0        | 25.0      |
| Frame Size                                 | 284JM       |           |
| Speed, RPM                                 | 1770        | 1460      |
| Voltage                                    | 230/460     | 190/380   |
| # Phase                                    | 3           |           |
| Full Load Amps                             | 58.84/29.42 | 70.4/35.2 |
| Power Factor                               | 0.85        | -         |
| Nominal Efficiency                         | 93.6        | 90.5      |
| 3/4 Load Efficiency                        | -           | -         |
| Service Factor                             | 1.25        | 1.0       |
| Duty                                       | Cont. / S1  |           |
| FL Temp Rise °C                            | 51.0        | -         |
| Enclosure                                  | TEFC        |           |
| Ambient Temp °C                            | 40          |           |
| KVA Code                                   | K           | F         |
| FL Amps. @ 208 V                           | 65.0669     | -         |
| Insulation Class                           | F           |           |
| NEMA Design                                | A           |           |
| Weight                                     | 366.03      |           |
| DE Bearing                                 | 6311C3      |           |
| NDE Bearing                                | 6311C3      |           |
| 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                            | 12          |           |
| Connection                                 | ??/?        |           |
| Coil Resistance                            | -           |           |

|                     |                                  |
|---------------------|----------------------------------|
| <b>Motor Model:</b> | <b>GR3-CI-TF-284JM-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