

## Techtop Industries Nameplate and Performance Data

| NAMEPLATE DATA                             |            |       |
|--|------------|-------|
|  | 60 Hz      | 50 Hz |
| Horsepower                                 | 15.0       | 15.0  |
| Frame Size                                 | 284JM      |       |
| Speed, RPM                                 | 1175       | -     |
| Voltage                                    | 575        | -     |
| # Phase                                    | 3          |       |
| Full Load Amps                             | 16.1       | -     |
| Power Factor                               | 0.8        | -     |
| Nominal Efficiency                         | 91.7       | -     |
| 3/4 Load Efficiency                        | -          | -     |
| Service Factor                             | 1.25       | -     |
| Duty                                       | Cont. / S1 |       |
| FL Temp Rise °C                            | -          | -     |
| Enclosure                                  | TEFC       |       |
| Ambient Temp °C                            | 40         |       |
| KVA Code                                   | M          | -     |
| FL Amps. @ 208 V                           | -          | -     |
| Insulation Class                           | F          |       |
| NEMA Design                                | A          |       |
| Weight                                     | 363.825    |       |
| 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-6-BR-F-15</b> |
|---------------------|----------------------------------|

Performance Load Values:

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF   |
|--------|------------|---------------|------------------------|------------|------------|------|
| 0      | -          | 10.91         | -                      | -          | -          | -    |
| 25     | 3.75       | 11.67         | 3.39                   | 1196.6     | 83.41      | 0.36 |
| 50     | 7.5        | 13.71         | 6.3                    | 1193.3     | 89.62      | 0.58 |
| 75     | 11.25      | 16.54         | 9.29                   | 1189.8     | 91.24      | 0.71 |
| 100    | 15.0       | 19.97         | 12.35                  | 1186.0     | 91.52      | 0.78 |
| 125    | 18.75      | 23.86         | 15.49                  | 1182.0     | 91.21      | 0.81 |
| 150    | 22.5       | 28.02         | 18.71                  | 1177.9     | 90.59      | 0.84 |
| SF     | -          | -             | -                      | -          | -          | -    |

|                     | Torque, Lb-Ft | % Full Load Torque | Speed, RPM | Current Amps. |
|---------------------|---------------|--------------------|------------|---------------|
| Locked Rotor Torque | 220.176       | 326.0              | -          | 203.894       |
| Pull Up Torque      | 96.5801       | 143.0              | -          | -             |
| Breakdown Torque    | 268.128       | 397.0              | -          | -             |
| Full Load           | 67.5386       | 100.0              | 1186.0     | 19.97         |

### 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