

## Techtop Industries Nameplate and Performance Data

| NAMEPLATE DATA                             |             |           |
|--|-------------|-----------|
|  | 60 Hz       | 50 Hz     |
| Horsepower                                 | 30.0        | 30.0      |
| Frame Size                                 | 286TSC      |           |
| Speed, RPM                                 | 3550        | 2930      |
| Voltage                                    | 230/460     | 190/380   |
| # Phase                                    | 3           |           |
| Full Load Amps                             | 70.42/35.21 | 83.8/41.9 |
| Power Factor                               | 0.9         | -         |
| Nominal Efficiency                         | 91.7        | 89.0      |
| 3/4 Load Efficiency                        | -           | -         |
| Service Factor                             | 1.25        | 1.0       |
| Duty                                       | Cont. / S1  |           |
| FL Temp Rise °C                            | 64.0        | -         |
| Enclosure                                  | TEFC        |           |
| Ambient Temp °C                            | 40          |           |
| KVA Code                                   | L           | F         |
| FL Amps. @ 208 V                           | 77.8659     | -         |
| Insulation Class                           | F           |           |
| NEMA Design                                | A           |           |
| Weight                                     | 374.85      |           |
| 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-286TSC-2-BR-D-30</b> |
|---------------------|-----------------------------------|

Performance Load Values:

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF   |
|--------|------------|---------------|------------------------|------------|------------|------|
| 0      | -          | 12.06         | -                      | -          | -          | -    |
| 25     | 7.5        | 14.45         | 6.67                   | 3589.1     | 84.0       | 0.58 |
| 50     | 15.0       | 20.37         | 12.44                  | 3579.5     | 90.04      | 0.77 |
| 75     | 22.5       | 27.14         | 18.32                  | 3569.0     | 91.7       | 0.85 |
| 100    | 30.0       | 34.59         | 24.32                  | 3557.8     | 92.09      | 0.88 |
| 125    | 37.5       | 42.59         | 30.46                  | 3545.9     | 91.92      | 0.9  |
| 150    | 45.0       | 50.98         | 36.74                  | 3533.2     | 91.45      | 0.9  |
| SF     | -          | -             | -                      | -          | -          | -    |

|                     | Torque, Lb-Ft | % Full Load Torque | Speed, RPM | Current Amps. |
|---------------------|---------------|--------------------|------------|---------------|
| Locked Rotor Torque | 144.75        | 323.0              | -          | 355.585       |
| Pull Up Torque      | 82.0101       | 183.0              | -          | -             |
| Breakdown Torque    | 166.709       | 372.0              | -          | -             |
| Full Load           | 44.8143       | 100.0              | 3557.8     | 34.59         |

### Speed Torque Curve

Please contact Techttop for image.

### Dimensional Drawing

## DRAWING UNAVAILABLE CONTACT TECHTOP

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

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