

## Techtop Industries Nameplate and Performance Data

| NAMEPLATE DATA                             |            |       |
|--|------------|-------|
|  | 60 Hz      | 50 Hz |
| Horsepower                                 | 3.0        | 3.0   |
| Frame Size                                 | 182JP      |       |
| Speed, RPM                                 | 3515       | -     |
| Voltage                                    | 575        | -     |
| # Phase                                    | 3          |       |
| Full Load Amps                             | 2.87       | -     |
| Power Factor                               | 0.89       | -     |
| Nominal Efficiency                         | 86.5       | -     |
| 3/4 Load Efficiency                        | -          | -     |
| Service Factor                             | 1.25       | -     |
| Duty                                       | Cont. / S1 |       |
| FL Temp Rise °C                            | 37.0       | -     |
| Enclosure                                  | TEFC       |       |
| Ambient Temp °C                            | 40         |       |
| KVA Code                                   | K          | -     |
| FL Amps. @ 208 V                           | -          | -     |
| Insulation Class                           | F          |       |
| NEMA Design                                | A          |       |
| Weight                                     | 50.0       |       |
| DE Bearing                                 | 6306ZZ     |       |
| NDE Bearing                                | 6206ZZ     |       |
| 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                            | 9          |       |
| Connection                                 | Y          |       |
| Coil Resistance                            | -          |       |

|                     |                                |
|---------------------|--------------------------------|
| <b>Motor Model:</b> | <b>GR3-AL-TF-182JP-2-B-F-3</b> |
|---------------------|--------------------------------|

Performance Load Values:

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF   |
|--------|------------|---------------|------------------------|------------|------------|------|
| 0      | -          | 1.31          | -                      | -          | -          | -    |
| 25     | 0.75       | 1.58          | 723.3                  | 3579.3     | 76.04      | 0.58 |
| 50     | 1.5        | 2.13          | 1306.0                 | 3561.2     | 84.23      | 0.77 |
| 75     | 2.25       | 2.79          | 1909.0                 | 3541.2     | 86.43      | 0.86 |
| 100    | 3.0        | 3.56          | 2537.0                 | 3519.6     | 86.72      | 0.9  |
| 125    | 3.75       | 4.39          | 3194.0                 | 3496.3     | 86.1       | 0.91 |
| 150    | 4.5        | 5.28          | 3882.0                 | 3471.2     | 85.01      | 0.92 |
| SF     | -          | -             | -                      | -          | -          | -    |

|                     | Torque, Lb-Ft | % Full Load Torque | Speed, RPM | Current Amps. |
|---------------------|---------------|--------------------|------------|---------------|
| Locked Rotor Torque | 11.1842       | 2.54               | -          | 33.3216       |
| Pull Up Torque      | 5.54809       | 1.26               | -          | -             |
| Breakdown Torque    | 15.6315       | 3.55               | -          | -             |
| Full Load           | 4.40325       | 100.0              | -          | 3.56          |

### 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