

## Techtop Industries Nameplate and Performance Data

| NAMEPLATE DATA                                 |                      |        |
|--|----------------------|--------|
|  | 60 Hz.               | 50 Hz. |
| <b>Horsepower</b>                              | 60.0                 | 60.0   |
| <b>Frame Size</b>                              | 364JM                |        |
| <b>Speed, RPM</b>                              | 1775                 | -      |
| <b>Voltage</b>                                 | 3 Phase US<br>(575V) | -      |
| <b># Phase</b>                                 | 3                    |        |
| <b>Full Load Amps</b>                          | 54.4                 | -      |
| <b>Power Factor</b>                            | 0.86                 | -      |
| <b>Nominal Efficiency</b>                      | 95.0                 | -      |
| <b>3/4 Load Efficiency</b>                     | -                    | -      |
| <b>Service Factor</b>                          | 1.15                 | -      |
| <b>Duty</b>                                    | Cont. / S1           |        |
| <b>FL Temp Rise °C</b>                         | -                    | -      |
| <b>Enclosure</b>                               | TEFC                 |        |
| <b>Ambient Temp °C</b>                         | 40                   |        |
| <b>KVA Code</b>                                | L                    | -      |
| <b>FL Amps. @ 208 V</b>                        | -                    | -      |
| <b>Insulation Class</b>                        | F                    |        |
| <b>NEMA Design</b>                             | A                    |        |
| <b>Weight</b>                                  | 782.775              |        |
| <b>DE Bearing</b>                              | 6313C3               |        |
| <b>NDE Bearing</b>                             | 6313C3               |        |
| <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-364JM-4-BR-F-60</b> |
|---------------------|----------------------------------|

Performance Load Values:

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF   |
|--------|------------|---------------|------------------------|------------|------------|------|
| 0      | 30.0       | 22.39         | -                      | -          | -          | -    |
| 25     | 30.0       | 27.61         | 12.34                  | 1796.1     | 91.2       | 0.56 |
| 50     | 30.0       | 38.98         | 23.86                  | 1792.3     | 94.31      | 0.77 |
| 75     | 45.0       | 52.43         | 35.57                  | 1788.2     | 94.89      | 0.85 |
| 100    | 60.0       | 67.55         | 47.48                  | 1783.9     | 94.77      | 0.88 |
| 125    | 30.0       | 83.89         | 59.63                  | 1779.4     | 94.34      | 0.89 |
| 150    | 30.0       | 101.02        | 72.01                  | 1774.5     | 93.73      | 0.89 |
| SF     | -          | -             | -                      | -          | -          | -    |

|                     | Torque, Lb-Ft | % Full Load Torque | Speed, RPM | Current Amps. |
|---------------------|---------------|--------------------|------------|---------------|
| Locked Rotor Torque | 542.343       | 306.0              | -          | 984.0         |
| Pull Up Torque      | 368.651       | 208.0              | -          | -             |
| Breakdown Torque    | 600.831       | 339.0              | -          | -             |
| Full Load           | 177.236       | 100.0              | 1783.9     | 67.55         |

### Speed Torque Curve

Please contact Techtop 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

