

Techtop Industries Nameplate and Performance Data

| NAMEPLATE DATA | | |
|--|----------------------|--------|
| | 60 Hz. | 50 Hz. |
| Horsepower | 7.5 | 7.5 |
| Frame Size | 254T | |
| Speed, RPM | 1170 | - |
| Voltage | 3 Phase US (575V) | - |
| # Phase | 3 | |
| Full Load Amps | 8.123003385 | - |
| Power Factor | 0.74 | - |
| Nominal Efficiency | 91.0 | - |
| 3/4 Load Efficiency | - | - |
| Service Factor | 1.25 | 1.0 |
| Duty | Cont. / S1 | |
| FL Temp Rise °C | 38.0 | - |
| Enclosure | TEFC | |
| Ambient Temp °C | 40 | |
| KVA Code | J | - |
| FL Amps. @ 208 V | - | - |
| Insulation Class | F | |
| NEMA Design | A | |
| Weight | 246.96 | |
| DE Bearing | 6309C3 | |
| NDE Bearing | 6309C3 | |
| dB No-Load | - | |
| Rotor Wk ² , Lb-Ft ² | - | |
| Start Capacitor | | |
| Start Capacitor V | | |
| Run Capacitor | | |
| Run Capacitor V | | |
| Number of Leads | 6 | |
| Connection | ? | |
| Coil Resistance | - | |

| | |
|--------------|---------------------------|
| Motor Model: | GR3-CI-TF-254T-6-BR-F-7.5 |
|--------------|---------------------------|

Performance Load Values:

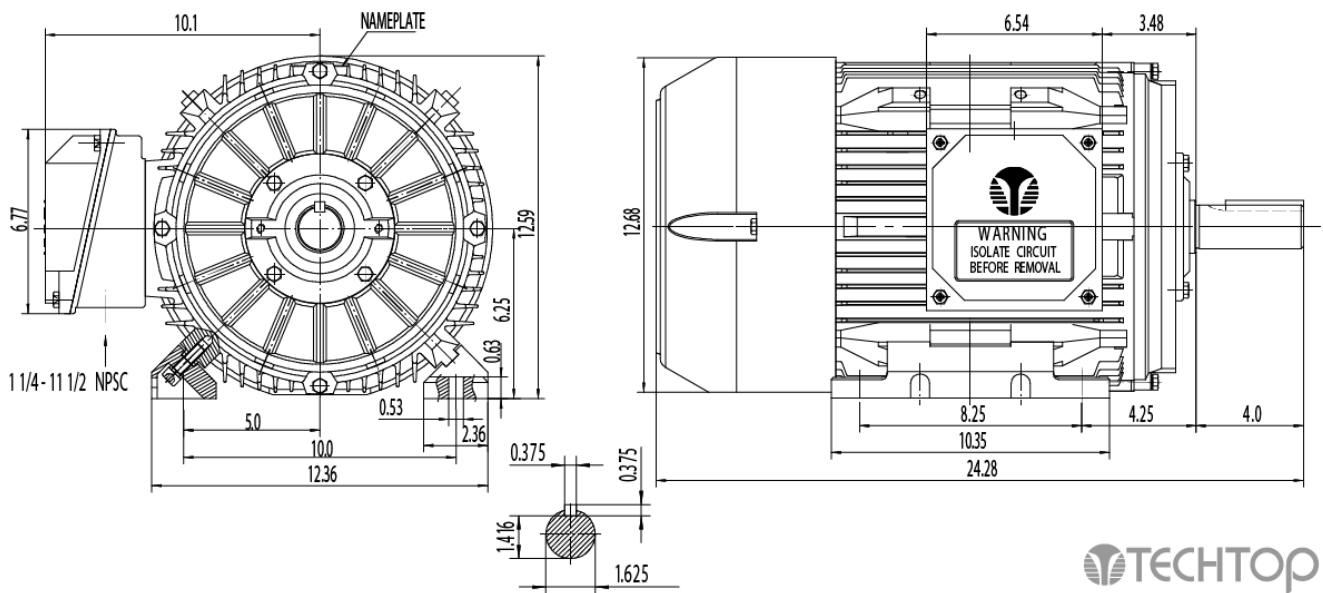
| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF |
|--------|------------|---------------|------------------------|------------|------------|------|
| 0 | 3.75 | 5.59 | - | - | - | - |
| 25 | 3.75 | 5.8 | 1.64 | 1194.4 | 85.17 | 0.36 |
| 50 | 3.75 | 6.98 | 3.1 | 1189.7 | 90.32 | 0.56 |
| 75 | 5.625 | 8.49 | 4.59 | 1184.4 | 91.43 | 0.68 |
| 100 | 7.5 | 10.31 | 6.13 | 1178.4 | 91.33 | 0.75 |
| 125 | 3.75 | 12.41 | 7.72 | 1171.8 | 90.64 | 0.78 |
| 150 | 3.75 | 14.75 | 9.37 | 1164.5 | 89.6 | 0.8 |
| SF | - | - | - | - | - | - |

| | Torque, Lb-Ft | % Full Load Torque | Speed, RPM | Current Amps. |
|---------------------|---------------|--------------------|------------|---------------|
| Locked Rotor Torque | 83.9161 | 246.0 | - | 776.0 |
| Pull Up Torque | 44.687 | 131.0 | - | - |
| Breakdown Torque | 103.36 | 303.0 | - | - |
| Full Load | 34.1123 | 100.0 | 1178.4 | 10.31 |

Speed Torque Curve

Please contact Techtop for image.

Dimensional Drawing



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

