



NEMA Premium

# NEMA

|                      |                          |
|----------------------|--------------------------|
| <b>MOTOR MODEL:</b>  | GR3-CI-TF-404T-6-RR-D-60 |
| <b>FACTORY TYPE:</b> | TXC                      |

## Premium NEMA Cast Iron, TEFC

| ELECTRICAL DATA                          |              |         |
|--|--------------|---------|
|  | 60 Hz        | 50 Hz   |
| Horsepower                               | 60.0         | 60.0    |
| Speed, RPM                               | 1185         | 980     |
| Voltage                                  | 230/460      | 190/380 |
| # Phase                                  | 3            |         |
| Full Load Amps                           | 141.54/70.77 | 166/83  |
| Power Factor                             | 0.85         | -       |
| Nominal Efficiency                       | 94.5         | 92.5    |
| 3/4 Load Efficiency                      | -            | -       |
| Service Factor                           | 1.15         | 1.0     |
| KVA Code                                 | J            | E       |
| FL Amps. @ 208 V                         | -            | -       |
| LRC @ 60Hz HV                            | 551.432      | -       |
| Start Capacitor                          | -            |         |
| Start Capacitor V                        | -            |         |
| Run Capacitor                            | -            |         |
| Run Capacitor V                          | -            |         |
| Number of Leads                          | 12           |         |
| Connection                               | DD/D         |         |
| Coil Resistance                          | -            |         |
| Date Code                                | -            |         |
| Load                                     | Efficiency % | P.F.    |
| 50%                                      | 93.05        | 0.74    |
| 75%                                      | 94.06        | 0.83    |
| 100%                                     | 94.14        | 0.86    |
| FULL LOAD TEMPERATURE RISE               |              |         |
| FL Temp Rise °C                          | 64.0         | -       |
| 3D Image Link                            |              |         |
| <a href="#">GR3-CI-TF-404T-6-RR-D-60</a> |              |         |

| GENERAL DATA                               |               |       |
|--|---------------|-------|
| Frame Size                                 | 404T          |       |
| Frame Enclosure                            | TEFC          |       |
| Mounting                                   | Rigid         |       |
| Insulation Class                           | F             |       |
| Duty                                       | Cont. / S1    |       |
| NEMA Design                                | A             |       |
| Frame Material                             | Cast Iron     |       |
| Ingress Protection                         | 55            |       |
| Tropicalization                            | true          |       |
| Cable Entry                                | 1-NPT 3"      |       |
| Feet Removable                             | -             |       |
| Double Drilled                             | true          |       |
| Paint Color                                | Graphite Gray |       |
| Paint RAL                                  | 7024          |       |
| Weight lb                                  | 975.713       |       |
| MECHANICAL DATA                            |               |       |
| DE Bearing                                 | NU316         |       |
| NDE Bearing                                | 6314C3        |       |
| dB No-Load                                 | -             |       |
| Rotor Wk <sup>2</sup> , Lb-Ft <sup>2</sup> | -             |       |
| Comp Ring (wavy washer)                    | None          |       |
| TORQUE VALUES                              | Torque lb-ft  | % FLT |
| Locked Rotor Torque                        | 636.28        | 237.0 |
| Pull-Up Torque                             | 338.276       | 126.0 |
| Breakdown Torque                           | 644.334       | 240.0 |
| Full Load Torque                           | 268.473       | 100.0 |
| SITE CONDITIONS                            |               |       |
| Ambient Temp °C                            | 40            |       |
| Altitude Above Sea Level m                 | 1000          |       |

\*This report valid for above Date Code and newer models, please contact Techtop for more info.



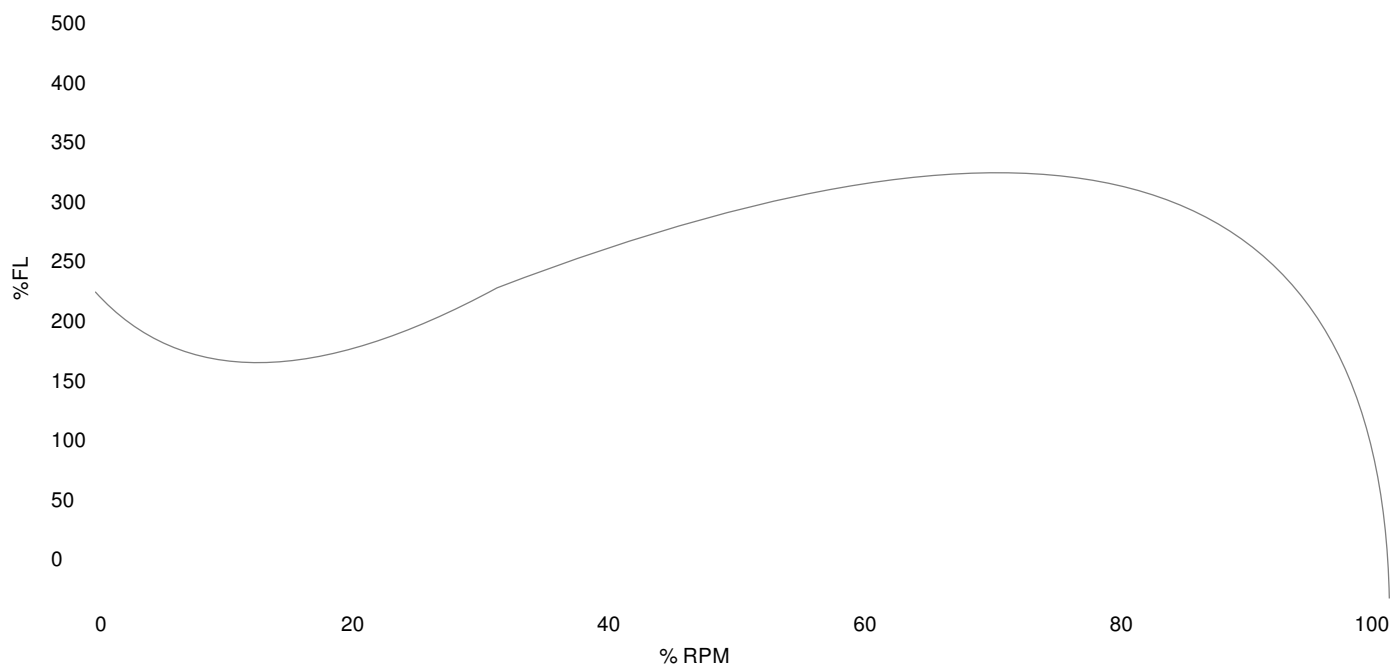
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Premium NEMA Cast Iron, TEFC

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

| Torque Values       | Torque lb-ft | % FLT | Performance Values   |   |
|---------------------|--------------|-------|----------------------|---|
| Locked Rotor Torque | 636.28       | 237.0 | Start Configuration  | - |
| Pull-Up Torque      | 338.276      | 126.0 | Starting Current (A) | - |
| Breakdown Torque    | 644.334      | 240.0 | No-Load Current (A)  | - |
| Full Load           | 268.473      | 100.0 | No-Load Power Factor | - |

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF   |
|--------|------------|---------------|------------------------|------------|------------|------|
| 0      | -          | 24.92         | -                      | -          | -          | -    |
| 25     | 15.0       | 29.93         | 12.66                  | 1196.9     | 88.86      | 0.53 |
| 50     | 30.0       | 40.96         | 24.18                  | 1193.9     | 93.05      | 0.74 |
| 75     | 45.0       | 54.47         | 35.88                  | 1190.5     | 94.06      | 0.83 |
| 100    | 60.0       | 69.89         | 47.8                   | 1186.9     | 94.14      | 0.86 |
| 125    | 75.0       | 79.81         | 55.06                  | 1184.6     | 93.99      | 0.87 |

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