



NEMA Premium

**NEMA**

|                      |                           |
|----------------------|---------------------------|
| <b>MOTOR MODEL:</b>  | GR3-CI-TF-365TS-2-BR-D-75 |
| <b>FACTORY TYPE:</b> | TXC                       |

Premium NEMA Cast Iron, TEFC

| ELECTRICAL DATA                           |              |           |
|---|--------------|-----------|
|   | 60 Hz        | 50 Hz     |
| Horsepower                                | 75.0         | 75.0      |
| Speed, RPM                                | 3560         | 2940      |
| Voltage                                   | 230/460      | 190/380   |
| # Phase                                   | 3            |           |
| Full Load Amps                            | 166.72/83.36 | 203/101.5 |
| Power Factor                              | 0.9          | -         |
| Nominal Efficiency                        | 93.6         | 91.2      |
| 3/4 Load Efficiency                       | -            | -         |
| Service Factor                            | 1.15         | 1.0       |
| KVA Code                                  | K            | F         |
| FL Amps. @ 208 V                          | -            | -         |
| LRC @ 60Hz HV                             | 941.877      | -         |
| 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%                                       | 92.53        | 0.83      |
| 75%                                       | 93.68        | 0.89      |
| 100%                                      | 93.68        | 0.89      |
|   |              |           |
| FULL LOAD TEMPERATURE RISE                |              |           |
| FL Temp Rise °C                           | 62.0         | -         |
|   |              |           |
| 3D Image Link                             |              |           |
| <a href="#">GR3-CI-TF-365TS-2-BR-D-75</a> |              |           |

| GENERAL DATA                               |               |       |
|--|---------------|-------|
| Frame Size                                 | 365TS         |       |
| 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 2"      |       |
| Feet Removable                             | -             |       |
| Double Drilled                             | true          |       |
| Paint Color                                | Graphite Gray |       |
| Paint RAL                                  | 7024          |       |
| Weight lb                                  | 784.98        |       |
|  |               |       |
| MECHANICAL DATA                            |               |       |
| DE Bearing                                 | 6313C3        |       |
| NDE Bearing                                | 6313C3        |       |
| dB No-Load                                 | -             |       |
| Rotor Wk <sup>2</sup> , Lb-Ft <sup>2</sup> | -             |       |
| Comp Ring (wavy washer)                    | DE            |       |
|  |               |       |
| TORQUE VALUES                              |               |       |
|  | Torque lb-ft  | % FLT |
| Locked Rotor Torque                        | 447.777       | 408.0 |
| Pull-Up Torque                             | 210.719       | 192.0 |
| Breakdown Torque                           | 409.365       | 373.0 |
| Full Load Torque                           | 109.749       | 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 Techttop for more info.



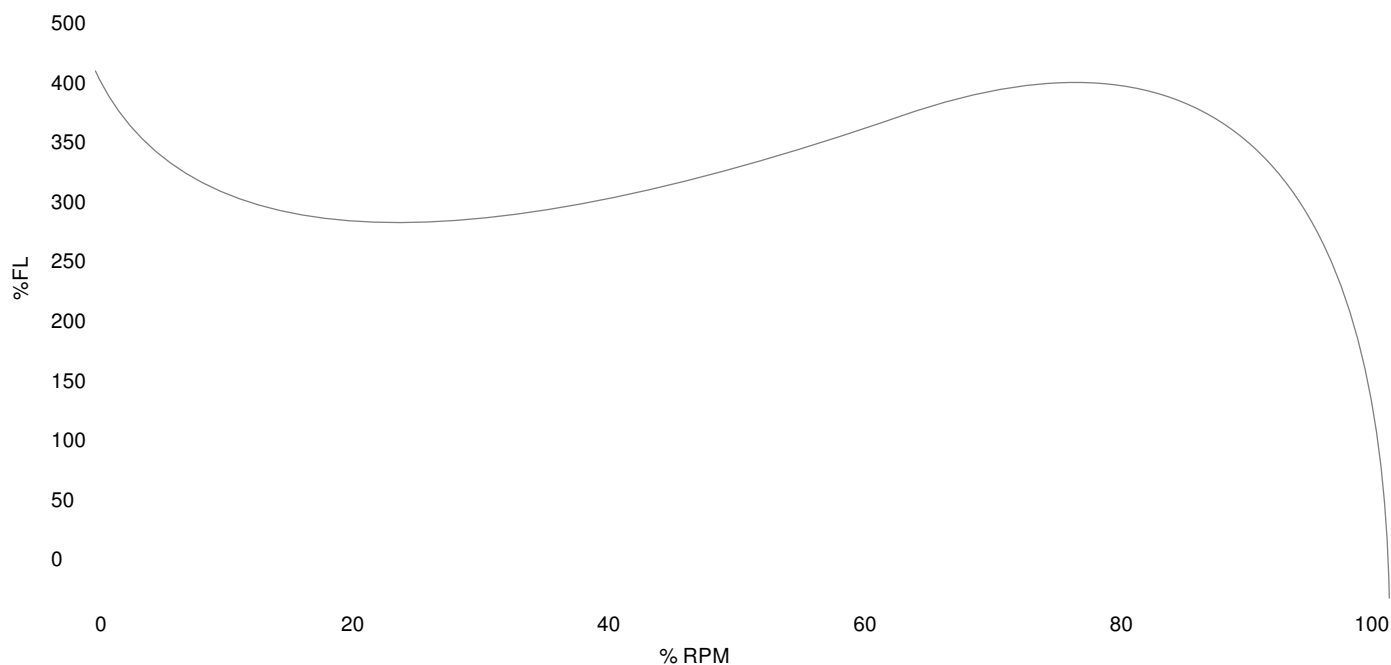
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Premium NEMA Cast Iron, TEFC

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

| Torque Values       | Torque lb-ft | % FLT | Performance Values   |
|---------------------|--------------|-------|----------------------|
| Locked Rotor Torque | 447.777      | 408.0 | Start Configuration  |
| Pull-Up Torque      | 210.719      | 192.0 | Starting Current (A) |
| Breakdown Torque    | 409.365      | 373.0 | No-Load Current (A)  |
| Full Load           | 109.749      | 100.0 | No-Load Power Factor |

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF   |
|--------|------------|---------------|------------------------|------------|------------|------|
| 0      | -          | 21.47         | -                      | -          | -          | -    |
| 25     | 18.75      | 29.98         | 15.92                  | 3593.2     | 87.92      | 0.67 |
| 50     | 37.5       | 45.56         | 30.26                  | 3586.7     | 92.53      | 0.83 |
| 75     | 56.25      | 63.16         | 44.83                  | 3579.8     | 93.68      | 0.89 |
| 100    | 75.0       | 63.16         | 44.83                  | 3579.8     | 93.68      | 0.89 |
| 125    | 93.75      | 102.35        | 74.74                  | 3565.1     | 93.66      | 0.92 |

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