



NEMA Premium

**NEMA**

|                      |                          |
|----------------------|--------------------------|
| <b>MOTOR MODEL:</b>  | GR3-CI-TF-284T-4-BR-F-25 |
| <b>FACTORY TYPE:</b> | TXC                      |

Premium NEMA Cast Iron, TEFC

| ELECTRICAL DATA                          |              |       |
|--|--------------|-------|
|  | 60 Hz        | 50 Hz |
| Horsepower                               | 25.0         | 25.0  |
| Speed, RPM                               | 1770         | -     |
| Voltage                                  | 575          | -     |
| # Phase                                  | 3            |       |
| Full Load Amps                           | 23.53724292  | -     |
| Power Factor                             | 0.85         | -     |
| Nominal Efficiency                       | 93.6         | -     |
| 3/4 Load Efficiency                      | -            | -     |
| Service Factor                           | 1.25         | 1.0   |
| KVA Code                                 | K            | -     |
| FL Amps. @ 208 V                         | -            | -     |
| LRC @ 60Hz HV                            | 215.285      | -     |
| Start Capacitor                          | -            |       |
| Start Capacitor V                        | -            |       |
| Run Capacitor                            | -            |       |
| Run Capacitor V                          | -            |       |
| Number of Leads                          | 6            |       |
| Connection                               | D            |       |
| Coil Resistance                          | -            |       |
| Date Code                                | -            |       |
|  |              |       |
| Load                                     | Efficiency % | P.F.  |
| 50%                                      | 91.59        | 0.73  |
| 75%                                      | 92.84        | 0.82  |
| 100%                                     | 93.05        | 0.87  |
|  |              |       |
| FULL LOAD TEMPERATURE RISE               |              |       |
| FL Temp Rise °C                          | 51.0         | -     |
|  |              |       |
| 3D Image Link                            |              |       |
| <a href="#">GR3-CI-TF-284T-4-BR-F-25</a> |              |       |

| GENERAL DATA                               |               |       |
|--|---------------|-------|
| Frame Size                                 | 284T          |       |
| 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 1-1/2"  |       |
| Feet Removable                             | true          |       |
| Double Drilled                             | -             |       |
| Paint Color                                | Graphite Gray |       |
| Paint RAL                                  | 7024          |       |
| Weight lb                                  | 366.03        |       |
|  |               |       |
| MECHANICAL DATA                            |               |       |
| DE Bearing                                 | 6311C3        |       |
| NDE Bearing                                | 6311C3        |       |
| 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                        | 209.565       | 283.0 |
| Pull-Up Torque                             | 152.546       | 206.0 |
| Breakdown Torque                           | 259.179       | 350.0 |
| Full Load Torque                           | 74.0512       | 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.



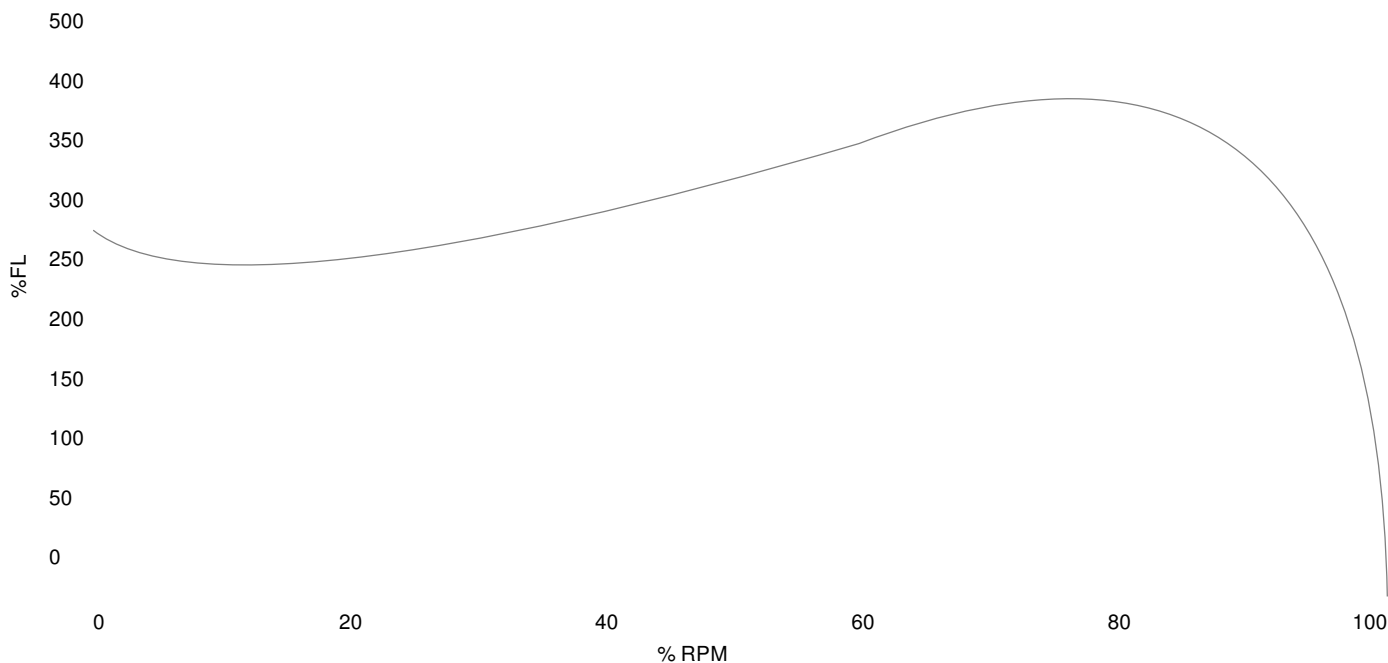
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Premium NEMA Cast Iron, TEFC

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

| Torque Values       | Torque lb-ft | % FLT | Performance Values   |
|---------------------|--------------|-------|----------------------|
| Locked Rotor Torque | 209.565      | 283.0 | Start Configuration  |
| Pull-Up Torque      | 152.546      | 206.0 | Starting Current (A) |
| Breakdown Torque    | 259.179      | 350.0 | No-Load Current (A)  |
| Full Load           | 74.0512      | 100.0 | No-Load Power Factor |

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF   |
|--------|------------|---------------|------------------------|------------|------------|------|
| 0      | -          | 11.63         | -                      | -          | -          | -    |
| 25     | 6.25       | 11.99         | 5.36                   | 1793.7     | 86.79      | 0.56 |
| 50     | 12.5       | 17.43         | 10.15                  | 1788.3     | 91.59      | 0.73 |
| 75     | 18.75      | 22.92         | 15.03                  | 1782.5     | 92.84      | 0.82 |
| 100    | 25.0       | 28.72         | 19.99                  | 1776.1     | 93.05      | 0.87 |
| 125    | 31.25      | 35.08         | 25.06                  | 1769.2     | 92.77      | 0.9  |

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