



NEMA Premium

NEMA

| | |
|----------------------|-------------------------|
| MOTOR MODEL: | GR3-CI-TF-184TC-6-B-D-2 |
| FACTORY TYPE: | TXC |

Premium NEMA Cast Iron, TEFC

| ELECTRICAL DATA | | |
|---|--------------|---------|
| | 60 Hz | 50 Hz |
| Horsepower | 2.0 | 2.0 |
| Speed, RPM | 1150 | 945 |
| Voltage | 230/460 | 190/380 |
| # Phase | 3 | |
| Full Load Amps | 6.22/3.11 | 7.6/3.8 |
| Power Factor | 0.73 | - |
| Nominal Efficiency | 88.5 | 84.0 |
| 3/4 Load Efficiency | - | - |
| Service Factor | 1.25 | 1.0 |
| KVA Code | L | J |
| FL Amps. @ 208 V | 6.88165 | - |
| LRC @ 60Hz HV | 27.8144 | - |
| Start Capacitor | - | |
| Start Capacitor V | - | |
| Run Capacitor | - | |
| Run Capacitor V | - | |
| Number of Leads | 9 | |
| Connection | YY/Y | |
| Coil Resistance | - | |
| Date Code | - | |
| | | |
| Load | Efficiency % | P.F. |
| 50% | 85.42 | 0.43 |
| 75% | 88.19 | 0.55 |
| 100% | 89.08 | 0.64 |
| | | |
| FULL LOAD TEMPERATURE RISE | | |
| FL Temp Rise °C | - | - |
| | | |
| 3D Image Link | | |
| GR3-CI-TF-184TC-6-B-D-2 | | |

| GENERAL DATA | | |
|--|----------------|-------|
| Frame Size | 184TC | |
| Frame Enclosure | TEFC | |
| Mounting | Rigid/C-Flange | |
| Insulation Class | F | |
| Duty | Cont. / S1 | |
| NEMA Design | A | |
| Frame Material | Cast Iron | |
| Ingress Protection | 55 | |
| Tropicalization | true | |
| Cable Entry | 1-NPT 3/4" | |
| Feet Removable | true | |
| Double Drilled | - | |
| Paint Color | Graphite Gray | |
| Paint RAL | 7024 | |
| Weight lb | 112.455 | |
| | | |
| MECHANICAL DATA | | |
| DE Bearing | 6306ZZ | |
| NDE Bearing | 6306ZZ | |
| dB No-Load | - | |
| Rotor Wk ² , Lb-Ft ² | - | |
| Comp Ring (wavey washer) | - | |
| | | |
| TORQUE VALUES | Torque lb-ft | % FLT |
| Locked Rotor Torque | 31.1984 | 347.0 |
| Pull-Up Torque | 23.8258 | 265.0 |
| Breakdown Torque | 39.3801 | 438.0 |
| Full Load Torque | 8.99088 | 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.



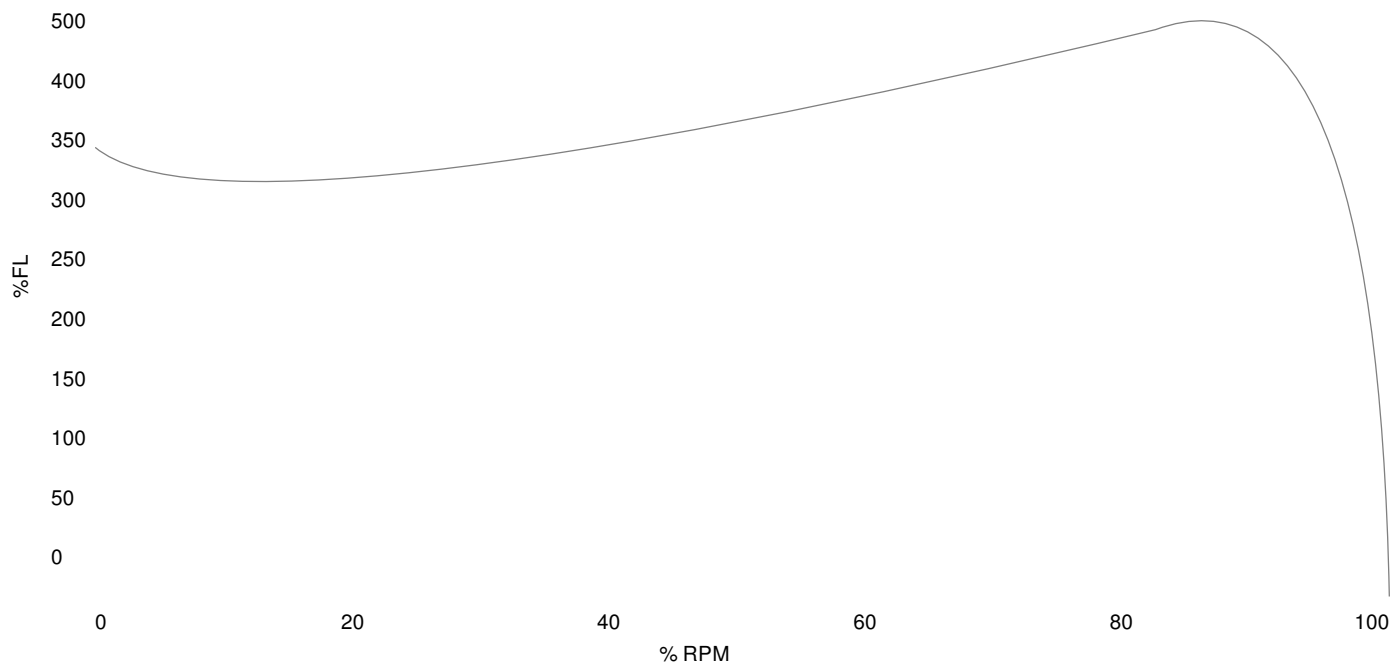
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Premium NEMA Cast Iron, TEFC

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

| Torque Values | Torque lb-ft | % FLT | Performance Values | |
|---------------------|--------------|-------|----------------------|---|
| Locked Rotor Torque | 31.1984 | 347.0 | Start Configuration | - |
| Pull-Up Torque | 23.8258 | 265.0 | Starting Current (A) | - |
| Breakdown Torque | 39.3801 | 438.0 | No-Load Current (A) | - |
| Full Load | 8.99088 | 100.0 | No-Load Power Factor | - |

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF |
|--------|------------|---------------|------------------------|------------|------------|------|
| 0 | - | 2.33 | - | - | - | - |
| 25 | 0.5 | 2.4 | 489.99 | 1194.8 | 76.53 | 0.26 |
| 50 | 1.0 | 2.59 | 878.05 | 1190.2 | 85.42 | 0.43 |
| 75 | 1.5 | 2.89 | 1275.6 | 1185.2 | 88.19 | 0.55 |
| 100 | 2.0 | 3.28 | 1683.8 | 1179.8 | 89.08 | 0.64 |
| 125 | 2.5 | 3.74 | 2103.5 | 1174.1 | 89.14 | 0.71 |

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