



NEMA Premium

NEMA

| | |
|----------------------|--------------------------|
| MOTOR MODEL: | GR3-CI-TF-256T-6-BR-F-10 |
| FACTORY TYPE: | TXC |

Premium NEMA Cast Iron, TEFC

| ELECTRICAL DATA | | |
|--|--------------|-------|
| | 60 Hz | 50 Hz |
| Horsepower | 10.0 | 10.0 |
| Speed, RPM | 1170 | - |
| Voltage | 575 | - |
| # Phase | 3 | |
| Full Load Amps | 10.69001311 | - |
| Power Factor | 0.76 | - |
| Nominal Efficiency | 91.0 | - |
| 3/4 Load Efficiency | - | - |
| Service Factor | 1.25 | 1.0 |
| KVA Code | J | - |
| FL Amps. @ 208 V | - | - |
| LRC @ 60Hz HV | 96.8371 | - |
| 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% | 89.88 | 0.55 |
| 75% | 90.84 | 0.67 |
| 100% | 90.57 | 0.74 |
| | | |
| FULL LOAD TEMPERATURE RISE | | |
| FL Temp Rise °C | 45.0 | - |
| | | |
| 3D Image Link | | |
| GR3-CI-TF-256T-6-BR-F-10 | | |

| GENERAL DATA | | |
|--|---------------|-------|
| Frame Size | 256T | |
| 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 1-1/4" | |
| Feet Removable | true | |
| Double Drilled | true | |
| Paint Color | Graphite Gray | |
| Paint RAL | 7024 | |
| Weight lb | 277.83 | |
| | | |
| MECHANICAL DATA | | |
| DE Bearing | 6309C3 | |
| NDE Bearing | 6309C3 | |
| dB No-Load | - | |
| Rotor Wk ² , Lb-Ft ² | - | |
| Comp Ring (wavy washer) | DE | |
| | | |
| TORQUE VALUES | | |
| | Torque lb-ft | % FLT |
| Locked Rotor Torque | 124.258 | 277.0 |
| Pull-Up Torque | 51.1387 | 114.0 |
| Breakdown Torque | 145.342 | 324.0 |
| Full Load Torque | 44.8585 | 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.



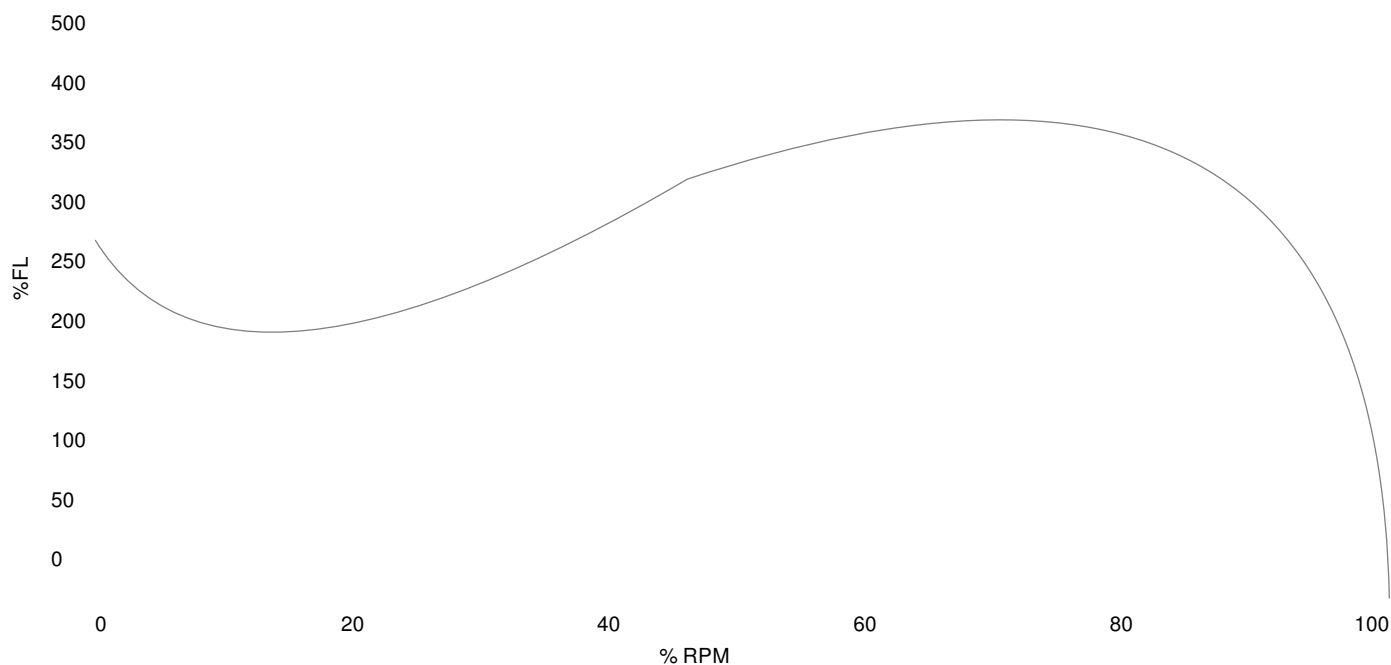
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Premium NEMA Cast Iron, TEFC

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

| Torque Values | Torque lb-ft | % FLT | Performance Values |
|---------------------|--------------|-------|----------------------|
| Locked Rotor Torque | 124.258 | 277.0 | Start Configuration |
| Pull-Up Torque | 51.1387 | 114.0 | Starting Current (A) |
| Breakdown Torque | 145.342 | 324.0 | No-Load Current (A) |
| Full Load | 44.8585 | 100.0 | No-Load Power Factor |

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF |
|--------|------------|---------------|------------------------|------------|------------|------|
| 0 | - | 7.69 | - | - | - | - |
| 25 | 2.5 | 8.18 | 2.21 | 1195.4 | 84.71 | 0.34 |
| 50 | 5.0 | 9.57 | 4.17 | 1191.0 | 89.88 | 0.55 |
| 75 | 7.5 | 11.55 | 6.19 | 1186.1 | 90.84 | 0.67 |
| 100 | 10.0 | 14.01 | 8.28 | 1180.8 | 90.57 | 0.74 |
| 125 | 12.5 | 16.84 | 10.45 | 1175.1 | 89.75 | 0.78 |

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