



NEMA Premium

NEMA

| | |
|----------------------|---------------------------|
| MOTOR MODEL: | GR3-CI-TF-284TS-2-BR-D-25 |
| FACTORY TYPE: | TXC |

Premium NEMA Cast Iron, TEFC

| ELECTRICAL DATA | | |
|---|--------------|-----------|
| | 60 Hz | 50 Hz |
| Horsepower | 25.0 | 25.0 |
| Speed, RPM | 3550 | 2930 |
| Voltage | 230/460 | 190/380 |
| # Phase | 3 | |
| Full Load Amps | 60.06/30.03 | 68.4/34.2 |
| Power Factor | 0.89 | - |
| Nominal Efficiency | 91.7 | 89.0 |
| 3/4 Load Efficiency | - | - |
| Service Factor | 1.25 | 1.0 |
| KVA Code | M | F |
| FL Amps. @ 208 V | 66.4151 | - |
| LRC @ 60Hz HV | 353.963 | - |
| 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% | 89.54 | 0.71 |
| 75% | 91.42 | 0.81 |
| 100% | 91.96 | 0.86 |
| | | |
| FULL LOAD TEMPERATURE RISE | | |
| FL Temp Rise °C | 56.0 | - |
| | | |
| 3D Image Link | | |
| GR3-CI-TF-284TS-2-BR-D-25 | | |

| GENERAL DATA | | | |
|--|---------------|--------------|-------|
| Frame Size | 284TS | | |
| 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 | 353.902 | | |
| | | | |
| MECHANICAL DATA | | | |
| DE Bearing | 6311C3 | | |
| NDE Bearing | 6311C3 | | |
| dB No-Load | - | | |
| Rotor Wk ² , Lb-Ft ² | - | | |
| Comp Ring (wavy washer) | DE | | |
| | | | |
| TORQUE VALUES | | Torque lb-ft | % FLT |
| Locked Rotor Torque | | 127.93 | 346.0 |
| Pull-Up Torque | | 73.5782 | 199.0 |
| Breakdown Torque | | 157.509 | 426.0 |
| Full Load Torque | | 36.974 | 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.



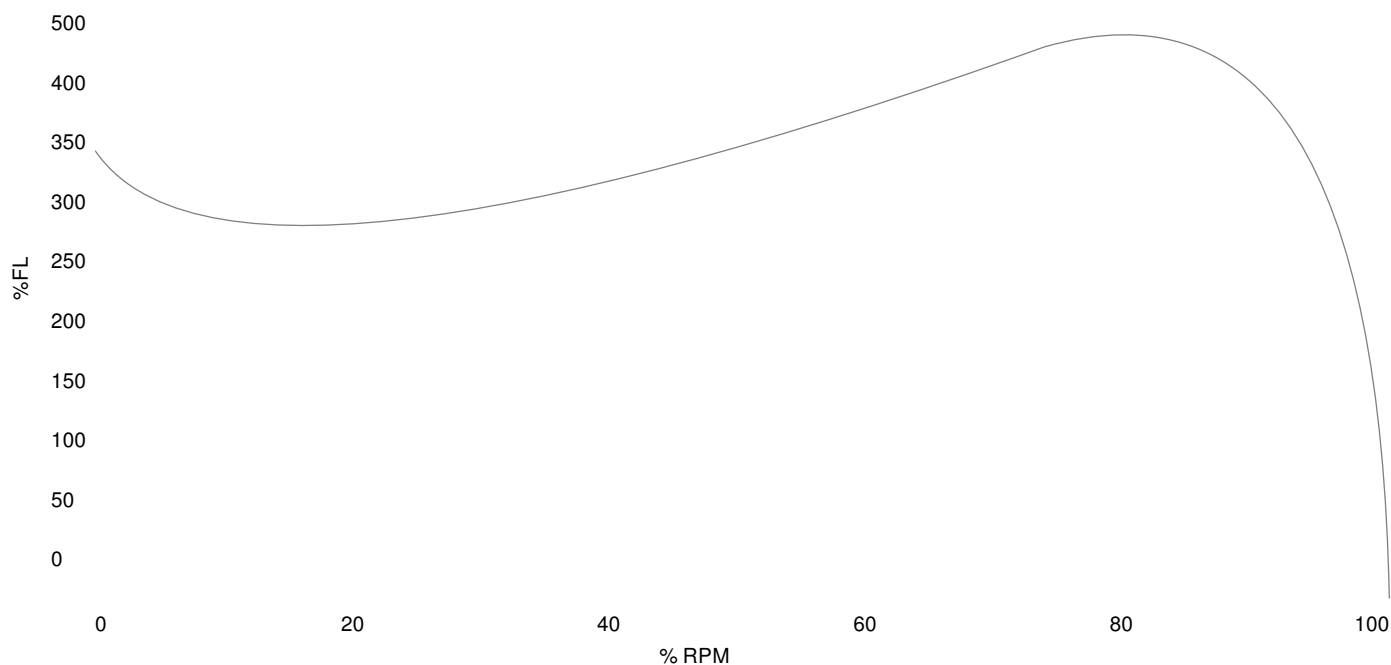
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Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

| Torque Values | Torque lb-ft | % FLT | Performance Values |
|---------------------|--------------|-------|----------------------|
| Locked Rotor Torque | 127.93 | 346.0 | Start Configuration |
| Pull-Up Torque | 73.5782 | 199.0 | Starting Current (A) |
| Breakdown Torque | 157.509 | 426.0 | No-Load Current (A) |
| Full Load | 36.974 | 100.0 | No-Load Power Factor |

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF |
|--------|------------|---------------|------------------------|------------|------------|------|
| 0 | - | 12.34 | - | - | - | - |
| 25 | 6.25 | 13.71 | 5.6 | 3591.4 | 83.02 | 0.51 |
| 50 | 12.5 | 18.36 | 10.39 | 3582.8 | 89.54 | 0.71 |
| 75 | 18.75 | 23.72 | 15.26 | 3573.7 | 91.42 | 0.81 |
| 100 | 25.0 | 29.67 | 20.23 | 3564.1 | 91.96 | 0.86 |
| 125 | 31.25 | 36.11 | 25.3 | 3554.1 | 91.91 | 0.88 |

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