



NEMA Premium

NEMA

| | |
|----------------------|----------------------------|
| MOTOR MODEL: | GR3-CI-TF-447TS-2-BR-E-200 |
| FACTORY TYPE: | TXC |

Premium NEMA Cast Iron, TEFC

| ELECTRICAL DATA | | |
|--|--------------|-------|
| | 60 Hz | 50 Hz |
| Horsepower | 200.0 | 200.0 |
| Speed, RPM | 3575 | 2960 |
| Voltage | 460 | 380 |
| # Phase | 3 | |
| Full Load Amps | 218.1019156 | 266 |
| Power Factor | 0.92 | - |
| Nominal Efficiency | 95.4 | 94.0 |
| 3/4 Load Efficiency | - | - |
| Service Factor | 1.15 | 1.0 |
| KVA Code | H | D |
| FL Amps. @ 208 V | - | - |
| LRC @ 60Hz HV | 3435.78 | - |
| 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% | 94.65 | 0.83 |
| 75% | 95.33 | 0.89 |
| 100% | 95.34 | 0.91 |
| | | |
| FULL LOAD TEMPERATURE RISE | | |
| FL Temp Rise °C | 84.0 | - |
| | | |
| 3D Image Link | | |
| GR3-CI-TF-447TS-2-BR-E-200 | | |

| GENERAL DATA | | | | |
|--|---------------|-------|--------------|-------|
| Frame Size | 447TS | | | |
| 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 | 2-NPT 3" | | | |
| Feet Removable | - | | | |
| Double Drilled | true | | | |
| Paint Color | Graphite Gray | | | |
| Paint RAL | 7024 | | | |
| Weight lb | 1858.81 | | | |
| | | | | |
| MECHANICAL DATA | | | | |
| DE Bearing | 6316C3 | | | |
| NDE Bearing | 6316C3 | | | |
| dB No-Load | - | | | |
| Rotor Wk ² , Lb-Ft ² | - | | | |
| Comp Ring (wavy washer) | DE | | | |
| | | | | |
| TORQUE VALUES | | | Torque lb-ft | % FLT |
| Locked Rotor Torque | 1541.82 | 523.0 | | |
| Pull-Up Torque | - | - | | |
| Breakdown Torque | 1627.32 | 552.0 | | |
| Full Load Torque | 294.804 | 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.



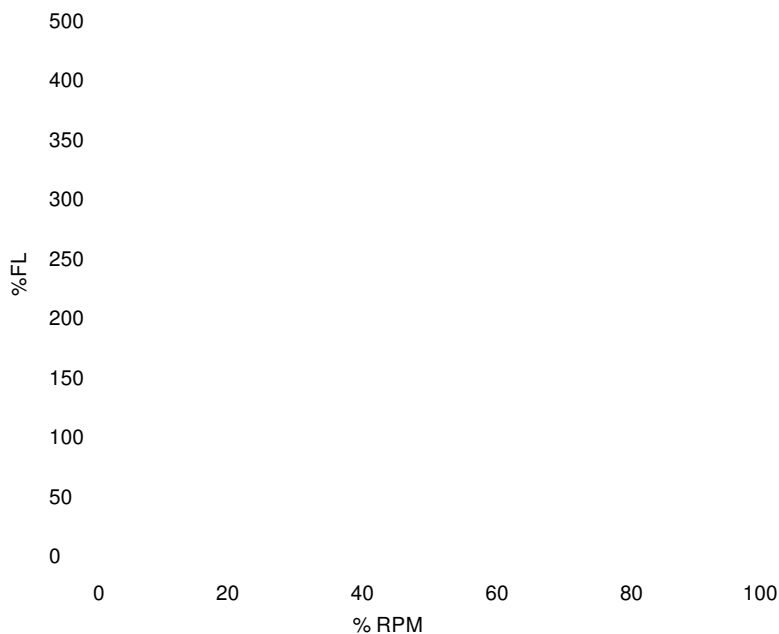
NEMA Premium

NEMA

| | |
|----------------------|----------------------------|
| MOTOR MODEL: | GR3-CI-TF-447TS-2-BR-E-200 |
| FACTORY TYPE: | TXC |

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 | 1541.82 | 523.0 | Start Configuration |
| Pull-Up Torque | - | - | Starting Current (A) |
| Breakdown Torque | 1627.32 | 552.0 | No-Load Current (A) |
| Full Load | 294.804 | 100.0 | No-Load Power Factor |

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF |
|--------|------------|---------------|------------------------|------------|------------|------|
| 0 | - | 67.08 | - | - | - | - |
| 25 | 50.0 | 91.34 | 47.12 | 3594.9 | 91.52 | 0.65 |
| 50 | 100.0 | 138.2 | 91.12 | 3590.1 | 94.65 | 0.83 |
| 75 | 150.0 | 191.27 | 135.71 | 3585.0 | 95.33 | 0.89 |
| 100 | 200.0 | 249.02 | 180.93 | 3579.7 | 95.34 | 0.91 |
| 125 | 250.0 | 285.29 | 208.39 | 3576.4 | 95.19 | 0.92 |