



NEMA Premium

NEMA

| | |
|----------------------|---------------------------|
| MOTOR MODEL: | GR3-CI-TF-447T-6-RR-F-150 |
| FACTORY TYPE: | TXC |

Premium NEMA Cast Iron, TEFC

| ELECTRICAL DATA | | |
|---|--------------|-------|
| | 60 Hz | 50 Hz |
| Horsepower | 150.0 | 150.0 |
| Speed, RPM | 1180 | - |
| Voltage | 575 | - |
| # Phase | 3 | |
| Full Load Amps | 136.3759077 | - |
| Power Factor | 0.87 | - |
| Nominal Efficiency | 95.8 | - |
| 3/4 Load Efficiency | - | - |
| Service Factor | 1.15 | 1.0 |
| KVA Code | H | - |
| FL Amps. @ 208 V | - | - |
| Locked Rotor Current | - | - |
| 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% | 94.27 | 0.68 |
| 75% | 95.08 | 0.79 |
| 100% | 95.13 | 0.83 |
| | | |
| FULL LOAD TEMPERATURE RISE | | |
| FL Temp Rise °C | 86.0 | - |
| | | |
| 3D Image Link | | |
| GR3-CI-TF-447T-6-RR-F-150 | | |

| GENERAL DATA | | |
|--|---------------|-------|
| Frame Size | 447T | |
| 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 | 2041.83 | |
| | | |
| MECHANICAL DATA | | |
| DE Bearing | NU319 | |
| NDE Bearing | 6319C3 | |
| dB No-Load | - | |
| Rotor Wk ² , Lb-Ft ² | - | |
| Comp Ring (wavey washer) | None | |
| | | |
| TORQUE VALUES | | % FLT |
| Locked Rotor Torque | 2127.76 | 279.0 |
| Pull-Up Torque | 1677.81 | 220.0 |
| Breakdown Torque | 2547.22 | 334.0 |
| Full Load Torque | 762.639 | 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

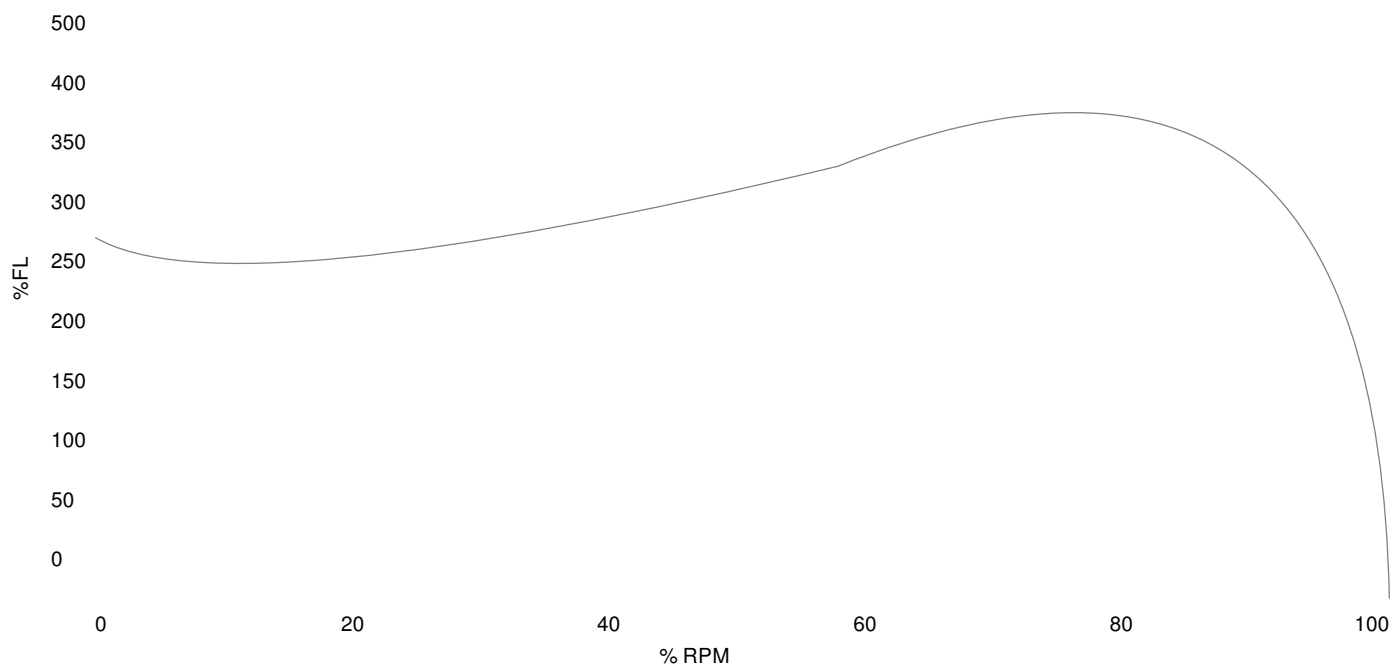
NEMA

| | |
|----------------------|---------------------------|
| MOTOR MODEL: | GR3-CI-TF-447T-6-RR-F-150 |
| FACTORY TYPE: | TXC |

Premium NEMA Cast Iron, TEFC

Non Sinusoidal (VFD) Output 150.0HP, 1180 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

| Torque Values | Torque lb-ft | % FLT | Performance Values |
|---------------------|--------------|-------|----------------------|
| Locked Rotor Torque | 2127.76 | 279.0 | Start Configuration |
| Pull-Up Torque | 1677.81 | 220.0 | Starting Current (A) |
| Breakdown Torque | 2547.22 | 334.0 | No-Load Current (A) |
| Full Load | 762.639 | 100.0 | No-Load Power Factor |

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF |
|--------|------------|---------------|------------------------|------------|------------|------|
| 0 | - | 84.78 | - | - | - | - |
| 25 | 37.5 | 96.55 | 35.54 | 1197.9 | 90.75 | 0.46 |
| 50 | 75.0 | 125.58 | 68.42 | 1196.0 | 94.27 | 0.68 |
| 75 | 112.5 | 162.53 | 101.76 | 1193.9 | 95.08 | 0.79 |
| 100 | 150.0 | 205.53 | 135.61 | 1191.6 | 95.13 | 0.83 |
| 125 | 187.5 | 252.72 | 170.0 | 1189.2 | 94.85 | 0.84 |

Techtop Industries
 2815 Colonnades Court
 Peachtree Corners, GA 30071
 Tel: 678-436-5540
 E-Mail: info@techttopind.com