



NEMA Premium

NEMA

| | |
|----------------------|------------------------|
| MOTOR MODEL: | GR3-CI-TF-184T-2-B-F-5 |
| FACTORY TYPE: | TXC |

Premium NEMA Cast Iron, TEFC

| ELECTRICAL DATA | | |
|--|--------------|-------|
| | 60 Hz | 50 Hz |
| Horsepower | 5.0 | 5.0 |
| Speed, RPM | 3510 | - |
| Voltage | 575 | - |
| # Phase | 3 | |
| Full Load Amps | 4.702129434 | - |
| Power Factor | 0.87 | - |
| Nominal Efficiency | 88.5 | - |
| 3/4 Load Efficiency | - | - |
| Service Factor | 1.25 | 1.0 |
| KVA Code | L | - |
| FL Amps. @ 208 V | - | - |
| Locked Rotor Current | 61.2375 | - |
| Start Capacitor | - | |
| Start Capacitor V | - | |
| Run Capacitor | - | |
| Run Capacitor V | - | |
| Number of Leads | 3 | |
| Connection | Y | |
| Coil Resistance | - | |
| Date Code | - | |
| | | |
| | | |
| Load | Efficiency % | P.F. |
| 50% | - | - |
| 75% | - | - |
| 100% | - | - |
| | | |
| FULL LOAD TEMPERATURE RISE | | |
| FL Temp Rise °C | - | - |
| | | |
| | | |
| 3D Image Link | | |
| GR3-CI-TF-184T-2-B-F-5 | | |

| GENERAL DATA | | | |
|--|---------------|--------------|-------|
| Frame Size | 184T | | |
| 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 3/4" | | |
| Feet Removable | true | | |
| Double Drilled | - | | |
| Paint Color | Graphite Gray | | |
| Paint RAL | 7024 | | |
| Weight lb | 97.02 | | |
| | | | |
| | | | |
| MECHANICAL DATA | | | |
| DE Bearing | 6306ZZ | | |
| NDE Bearing | 6306ZZ | | |
| dB No-Load | - | | |
| Rotor Wk ² , Lb-Ft ² | - | | |
| Comp Ring (wavey washer) | NDE | | |
| | | | |
| | | | |
| TORQUE VALUES | | Torque lb-ft | % FLT |
| Locked Rotor Torque | 22.859 | 309.0 | |
| Pull-Up Torque | - | - | |
| Breakdown Torque | 17.3847 | 235.0 | |
| Full Load Torque | 7.39775 | 100.0 | |
| | | | |
| | | | |
| SITE CONDITIONS | | | |
| Ambient Temp °C | 40 | | |
| Altitude Above Sea Level m | 1000 | | |



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Premium NEMA Cast Iron, TEFC

Non Sinusoidal (VFD) Output 5.0HP, 3510 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

| Torque Values | Torque lb-ft | % FLT | Performance Values |
|---------------------|--------------|-------|----------------------|
| Locked Rotor Torque | 22.859 | 309.0 | Start Configuration |
| Pull-Up Torque | - | - | Starting Current (A) |
| Breakdown Torque | 17.3847 | 235.0 | No-Load Current (A) |
| Full Load | 7.39775 | 100.0 | No-Load Power Factor |

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF |
|--------|------------|---------------|------------------------|------------|------------|----|
| 0 | - | 1.91 | - | - | - | - |
| 25 | 1.25 | - | - | - | - | - |
| 50 | 2.5 | - | - | - | - | - |
| 75 | 3.75 | - | - | - | - | - |
| 100 | 5.0 | - | - | - | - | - |
| 125 | 6.25 | - | - | - | - | - |