



NEMA Premium

NEMA

| | |
|----------------------|-------------------------|
| MOTOR MODEL: | GR3-CI-TF-145TC-4-B-D-2 |
| FACTORY TYPE: | TXC |

Premium NEMA Cast Iron, TEFC

| ELECTRICAL DATA | | |
|------------------------------|---------------------|-------------|
| | 60 Hz | 50 Hz |
| Horsepower | 2.0 | 2.0 |
| Speed, RPM | 1730 | 1425 |
| Voltage | 230/460 | 190/380 |
| # Phase | 3 | |
| Full Load Amps | 5.55/2.78 | 7.4/3.7 |
| Power Factor | 0.75 | - |
| Nominal Efficiency | 86.5 | 82.0 |
| 3/4 Load Efficiency | - | - |
| Service Factor | 1.25 | 1.0 |
| KVA Code | K | J |
| FL Amps. @ 208 V | 6.1381 | - |
| Locked Rotor Current | 43.4988 | - |
| Start Capacitor | - | |
| Start Capacitor V | - | |
| Run Capacitor | - | |
| Run Capacitor V | - | |
| Number of Leads | 9 | |
| Connection | YY/Y | |
| Coil Resistance | - | |
| | | |
| Load | Efficiency % | P.F. |
| 50% | - | - |
| 75% | - | - |
| 100% | - | - |
| | | |
| FULL LOAD TEMPERATURE RISE | | |
| FL Temp Rise °C | - | - |
| | | |
| 3D Image Link | | |
| Not available for this motor | | |

| GENERAL DATA | | |
|--|---------------------|--------------|
| Frame Size | 145TC | |
| Frame Enclosure | TEFC | |
| Mounting | Rigid/C-Flange | |
| 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 | 59.535 | |
| | | |
| MECHANICAL DATA | | |
| DE Bearing | 6205ZZ | |
| NDE Bearing | 6205ZZ | |
| dB No-Load | - | |
| Rotor Wk ² , Lb-Ft ² | - | |
| Comp Ring (wavy washer) | - | |
| | | |
| TORQUE VALUES | | |
| | Torque lb-ft | % FLT |
| Locked Rotor Torque | 18.3478 | 303.0 |
| Pull-Up Torque | 12.898 | 213.0 |
| Breakdown Torque | 19.68 | 325.0 |
| Full Load Torque | 6.05539 | 100.0 |
| | | |
| SITE CONDITIONS | | |
| Ambient Temp °C | 40 | |
| Altitude Above Sea Level m | 1000 | |



NEMA Premium

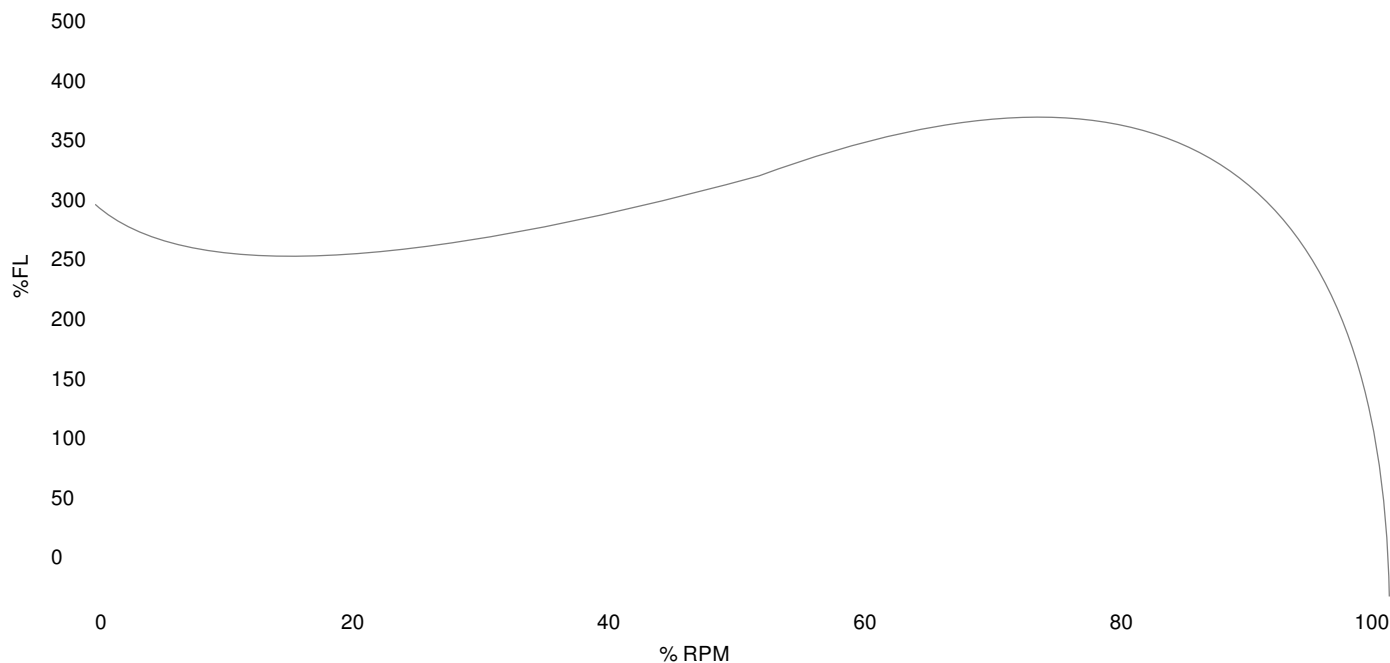
NEMA

| | |
|----------------------|-------------------------|
| MOTOR MODEL: | GR3-CI-TF-145TC-4-B-D-2 |
| FACTORY TYPE: | TXC |

Premium NEMA Cast Iron, TEFC

Non Sinusoidal (VFD) Output 2.0HP, 1730 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

| Torque Values | Torque lb-ft | % FLT | Performance Values |
|---------------------|--------------|-------|----------------------|
| Locked Rotor Torque | 18.3478 | 303.0 | Start Configuration |
| Pull-Up Torque | 12.898 | 213.0 | Starting Current (A) |
| Breakdown Torque | 19.68 | 325.0 | No-Load Current (A) |
| Full Load | 6.05539 | 100.0 | No-Load Power Factor |

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF |
|--------|------------|---------------|------------------------|------------|------------|----|
| 0 | - | - | - | - | - | - |
| 25 | 0.5 | - | - | - | - | - |
| 50 | 1.0 | - | - | - | - | - |
| 75 | 1.5 | - | - | - | - | - |
| 100 | 2.0 | - | - | - | - | - |
| 125 | 2.5 | - | - | - | - | - |

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