

| | |
|----------------------|----------------------------|
| MOTOR MODEL: | GR3-CI-TF-364TSC-2-BR-D-60 |
| FACTORY TYPE: | TXC |

Premium NEMA Cast Iron, TEFC

| ELECTRICAL DATA | | |
|--|--------------|------------|
| | 60 Hz | 50 Hz |
| Horsepower | 60.0 | 60.0 |
| Speed, RPM | 3560 | 2940 |
| Voltage | 230/460 | 190/380 |
| # Phase | 3 | |
| Full Load Amps | 136.41/68.2 | 162.4/81.2 |
| Power Factor | 0.89 | - |
| Nominal Efficiency | 93.6 | 91.2 |
| 3/4 Load Efficiency | - | - |
| Service Factor | 1.15 | 1.0 |
| KVA Code | L | E |
| FL Amps. @ 208 V | - | - |
| Locked Rotor Current | 718.468 | - |
| 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% | 90.17 | 0.79 |
| 75% | 92.28 | 0.87 |
| 100% | 93.07 | 0.89 |
| | | |
| FULL LOAD TEMPERATURE RISE | | |
| FL Temp Rise °C | 49.0 | - |
| | | |
| 3D Image Link | | |
| GR3-CI-TF-364TSC-2-BR-D-60 | | |

| GENERAL DATA | | |
|--|----------------|-------|
| Frame Size | 364TSC | |
| 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 2" | |
| Feet Removable | - | |
| Double Drilled | - | |
| Paint Color | Graphite Gray | |
| Paint RAL | 7024 | |
| Weight lb | 761.828 | |
| | | |
| MECHANICAL DATA | | |
| DE Bearing | 6313C3 | |
| NDE Bearing | 6313C3 | |
| dB No-Load | - | |
| Rotor Wk ² , Lb-Ft ² | - | |
| Comp Ring (wavy washer) | - | |
| | | |
| TORQUE VALUES | | |
| | Torque lb-ft | % FLT |
| Locked Rotor Torque | 382.352 | 432.0 |
| Pull-Up Torque | 151.348 | 171.0 |
| Breakdown Torque | 318.627 | 360.0 |
| Full Load Torque | 88.5075 | 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 Techtop for more info.



NEMA Premium

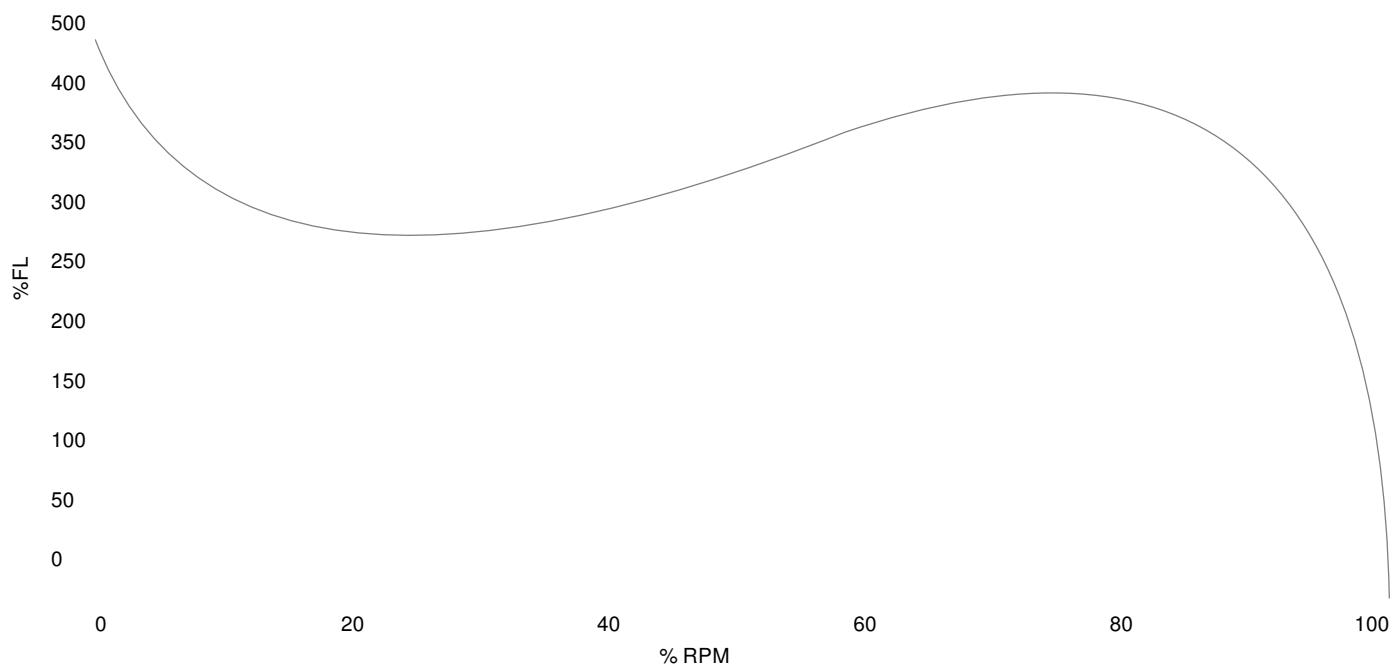
NEMA

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| FACTORY TYPE: | TXC |

Premium NEMA Cast Iron, TEFC

Non Sinusoidal (VFD) Output 60.0HP, 3560 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

| Torque Values | Torque lb-ft | % FLT | Performance Values |
|---------------------|--------------|-------|----------------------|
| Locked Rotor Torque | 382.352 | 432.0 | Start Configuration |
| Pull-Up Torque | 151.348 | 171.0 | Starting Current (A) |
| Breakdown Torque | 318.627 | 360.0 | No-Load Current (A) |
| Full Load | 88.5075 | 100.0 | No-Load Power Factor |

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF |
|--------|------------|---------------|------------------------|------------|------------|------|
| 0 | - | 21.45 | - | - | - | - |
| 25 | 15.0 | 27.65 | 13.48 | 3593.7 | 83.47 | 0.61 |
| 50 | 30.0 | 39.47 | 24.95 | 3587.9 | 90.17 | 0.79 |
| 75 | 45.0 | 53.0 | 36.57 | 3581.7 | 92.28 | 0.87 |
| 100 | 60.0 | 67.84 | 48.35 | 3575.2 | 93.07 | 0.89 |
| 125 | 75.0 | 83.6 | 60.3 | 3568.4 | 93.29 | 0.91 |

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