

| | |
|----------------------|---------------------------|
| MOTOR MODEL: | GR3-CI-TF-254JP-2-BR-D-15 |
| FACTORY TYPE: | TXC |

Premium NEMA Cast Iron, TEFC

| ELECTRICAL DATA | | |
|------------------------------|--------------|-----------|
| | 60 Hz | 50 Hz |
| Horsepower | 15.0 | 15.0 |
| Speed, RPM | 3540 | 2920 |
| Voltage | 230/460 | 190/380 |
| # Phase | 3 | |
| Full Load Amps | 35.08/17.54 | 45.2/22.6 |
| Power Factor | 0.88 | - |
| Nominal Efficiency | 91.0 | 88.0 |
| 3/4 Load Efficiency | - | - |
| Service Factor | 1.25 | 1.0 |
| KVA Code | L | F |
| FL Amps. @ 208 V | 38.7866 | - |
| Locked Rotor Current | 208.506 | - |
| Start Capacitor | - | |
| Start Capacitor V | - | |
| Run Capacitor | - | |
| Run Capacitor V | - | |
| Number of Leads | 12 | |
| Connection | DD/D | |
| Coil Resistance | - | |
| | | |
| Load | Efficiency % | P.F. |
| 50% | 87.1 | 0.71 |
| 75% | 89.66 | 0.81 |
| 100% | 90.53 | 0.86 |
| | | |
| FULL LOAD TEMPERATURE RISE | | |
| FL Temp Rise °C | 52.0 | - |
| | | |
| 3D Image Link | | |
| Not available for this motor | | |

| GENERAL DATA | | |
|--|---------------|-------|
| Frame Size | 254JP | |
| 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 1-1/4" | |
| Feet Removable | true | |
| Double Drilled | - | |
| Paint Color | Graphite Gray | |
| Paint RAL | 7024 | |
| Weight lb | 254.678 | |
| | | |
| MECHANICAL DATA | | |
| DE Bearing | 6309C3 | |
| NDE Bearing | 6309C3 | |
| dB No-Load | - | |
| Rotor Wk ² , Lb-Ft ² | - | |
| Comp Ring (wavey washer) | NDE | |
| | | |
| TORQUE VALUES | Torque lb-ft | % FLT |
| Locked Rotor Torque | 75.0398 | 337.0 |
| Pull-Up Torque | 42.9753 | 193.0 |
| Breakdown Torque | 88.1773 | 396.0 |
| Full Load Torque | 22.267 | 100.0 |
| | | |
| SITE CONDITIONS | | |
| Ambient Temp °C | 40 | |
| Altitude Above Sea Level m | 1000 | |



Pump Motors

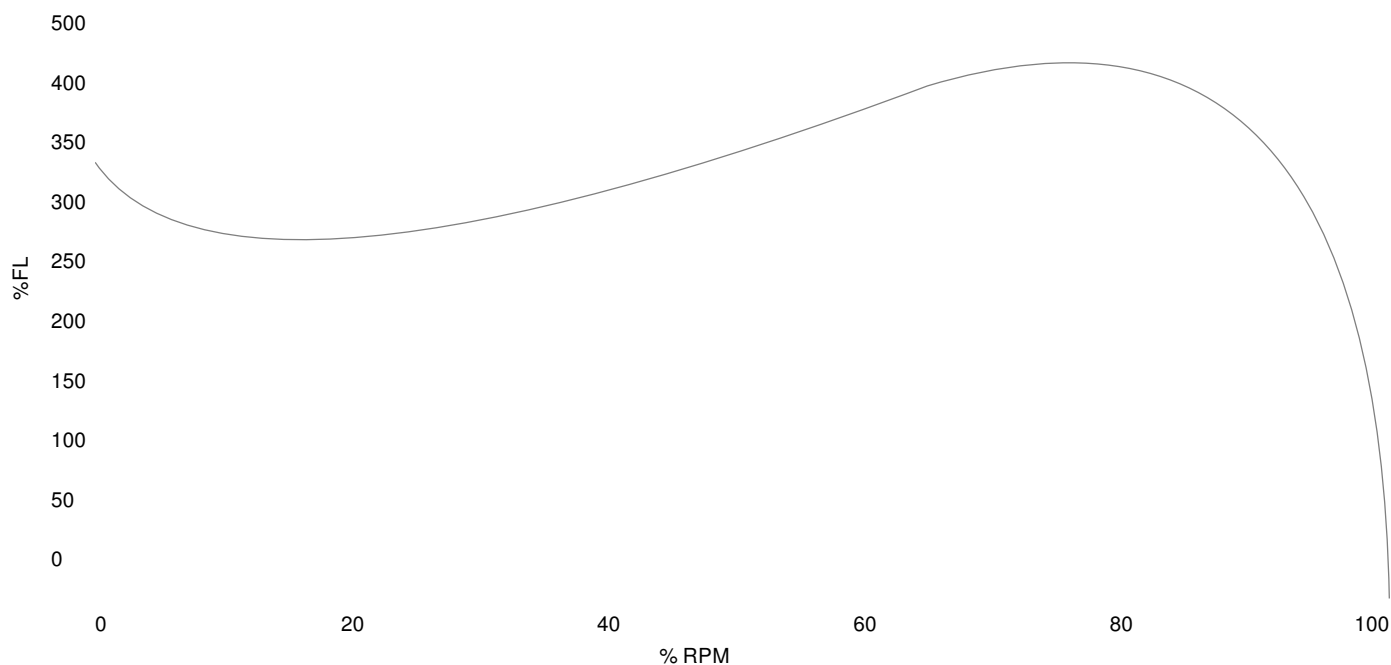
NEMA

| | |
|----------------------|---------------------------|
| MOTOR MODEL: | GR3-CI-TF-254JP-2-BR-D-15 |
| FACTORY TYPE: | TXC |

Premium NEMA Cast Iron, TEFC

Non Sinusoidal (VFD) Output 15.0HP, 3540 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

| Torque Values | Torque lb-ft | % FLT | Performance Values |
|---------------------|--------------|-------|----------------------|
| Locked Rotor Torque | 75.0398 | 337.0 | Start Configuration |
| Pull-Up Torque | 42.9753 | 193.0 | Starting Current (A) |
| Breakdown Torque | 88.1773 | 396.0 | No-Load Current (A) |
| Full Load | 22.267 | 100.0 | No-Load Power Factor |

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF |
|--------|------------|---------------|------------------------|------------|------------|------|
| 0 | - | 8.01 | - | - | - | - |
| 25 | 3.75 | 9.11 | 3.58 | 3592.6 | 78.93 | 0.49 |
| 50 | 7.5 | 11.59 | 6.49 | 3585.6 | 87.1 | 0.71 |
| 75 | 11.25 | 14.7 | 9.45 | 3578.2 | 89.66 | 0.81 |
| 100 | 15.0 | 18.29 | 12.48 | 3570.4 | 90.53 | 0.86 |
| 125 | 18.75 | 22.21 | 15.58 | 3562.3 | 90.67 | 0.88 |

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