



Pump Motors

NEMA

| | |
|----------------------|---------------------------|
| MOTOR MODEL: | GR3-CI-TF-364JM-4-BR-D-60 |
| FACTORY TYPE: | TXC |

Premium NEMA Cast Iron, TEFC

| ELECTRICAL DATA | | |
|------------------------------|--------------|---------|
| | 60 Hz | 50 Hz |
| Horsepower | 60.0 | 60.0 |
| Speed, RPM | 1775 | 1465 |
| Voltage | 230/460 | 190/380 |
| # Phase | 3 | |
| Full Load Amps | 135.94/67.97 | 166/83 |
| Power Factor | 0.86 | - |
| Nominal Efficiency | 95.0 | 92.5 |
| 3/4 Load Efficiency | - | - |
| Service Factor | 1.15 | 1.0 |
| KVA Code | L | F |
| FL Amps. @ 208 V | - | - |
| Locked Rotor Current | 664.692 | - |
| 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% | 94.31 | 0.77 |
| 75% | 94.89 | 0.85 |
| 100% | 94.77 | 0.88 |
| | | |
| FULL LOAD TEMPERATURE RISE | | |
| FL Temp Rise °C | 55.0 | - |
| | | |
| 3D Image Link | | |
| Not available for this motor | | |

| GENERAL DATA | | |
|--|---------------|-------|
| Frame Size | 364JM | |
| 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 2" | |
| Feet Removable | - | |
| Double Drilled | - | |
| Paint Color | Graphite Gray | |
| Paint RAL | 7024 | |
| Weight lb | 782.775 | |
| | | |
| MECHANICAL DATA | | |
| DE Bearing | 6313C3 | |
| NDE Bearing | 6313C3 | |
| dB No-Load | - | |
| Rotor Wk ² , Lb-Ft ² | - | |
| Comp Ring (wavy washer) | NDE | |
| | | |
| TORQUE VALUES | | % FLT |
| Locked Rotor Torque | 542.343 | 306.0 |
| Pull-Up Torque | 368.651 | 208.0 |
| Breakdown Torque | 600.831 | 339.0 |
| Full Load Torque | 177.236 | 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.



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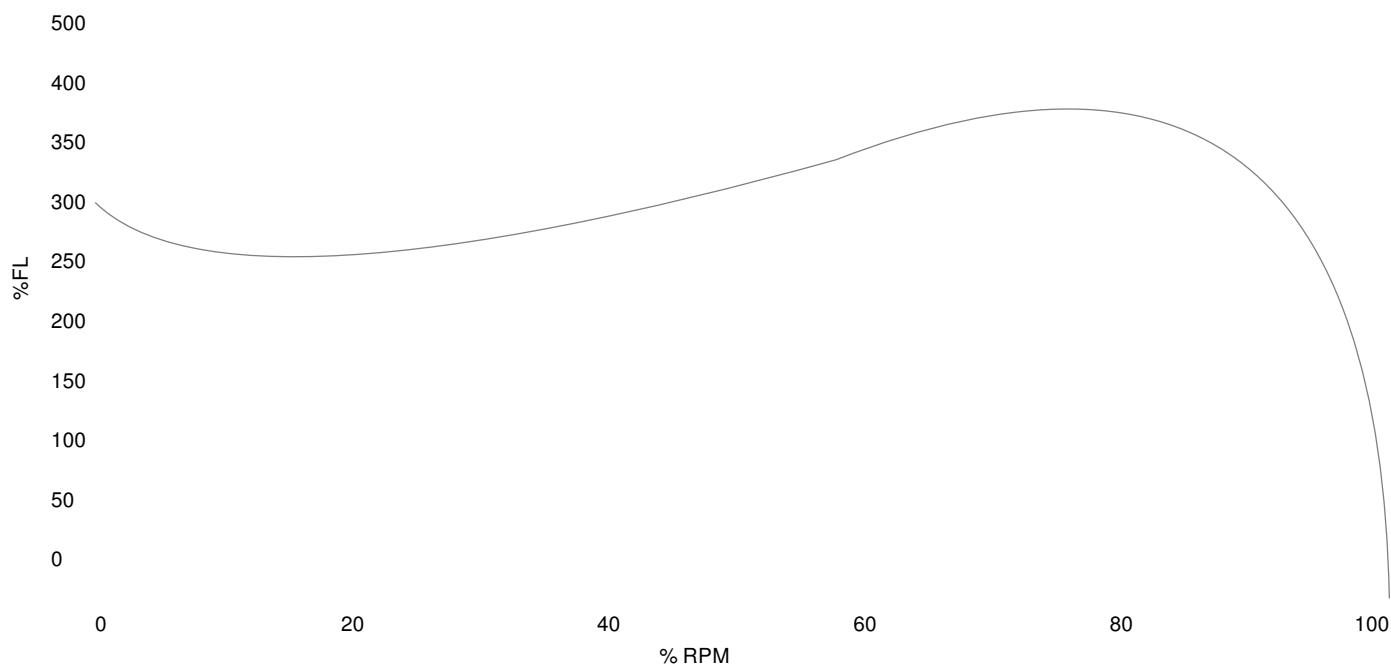
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| MOTOR MODEL: | GR3-CI-TF-364JM-4-BR-D-60 |
| FACTORY TYPE: | TXC |

Premium NEMA Cast Iron, TEFC

Non Sinusoidal (VFD) Output 60.0HP, 1775 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

| Torque Values | Torque lb-ft | % FLT | Performance Values |
|---------------------|--------------|-------|----------------------|
| Locked Rotor Torque | 542.343 | 306.0 | Start Configuration |
| Pull-Up Torque | 368.651 | 208.0 | Starting Current (A) |
| Breakdown Torque | 600.831 | 339.0 | No-Load Current (A) |
| Full Load | 177.236 | 100.0 | No-Load Power Factor |

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF |
|--------|------------|---------------|------------------------|------------|------------|------|
| 0 | - | 22.39 | - | - | - | - |
| 25 | 15.0 | 27.61 | 12.34 | 1796.1 | 91.2 | 0.56 |
| 50 | 30.0 | 38.98 | 23.86 | 1792.3 | 94.31 | 0.77 |
| 75 | 45.0 | 52.43 | 35.57 | 1788.2 | 94.89 | 0.85 |
| 100 | 60.0 | 67.55 | 47.48 | 1783.9 | 94.77 | 0.88 |
| 125 | 75.0 | 83.89 | 59.63 | 1779.4 | 94.34 | 0.89 |

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