



NEMA Premium

NEMA

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|----------------------|--------------------------|
| MOTOR MODEL: | GR3-CI-TF-326T-6-BR-F-30 |
| FACTORY TYPE: | TXC |

Premium NEMA Cast Iron, TEFC

| ELECTRICAL DATA | | |
|--|--------------|-------|
| | 60 Hz | 50 Hz |
| Horsepower | 30.0 | 30.0 |
| Speed, RPM | 1180 | - |
| Voltage | 575 | - |
| # Phase | 3 | |
| Full Load Amps | 29.11190124 | - |
| Power Factor | 0.82 | - |
| Nominal Efficiency | 93.0 | - |
| 3/4 Load Efficiency | - | - |
| Service Factor | 1.25 | 1.0 |
| KVA Code | M | - |
| FL Amps. @ 208 V | - | - |
| Locked Rotor Current | 407.376 | - |
| Start Capacitor | - | |
| Start Capacitor V | - | |
| Run Capacitor | - | |
| Run Capacitor V | - | |
| Number of Leads | 6 | |
| Connection | D | |
| Coil Resistance | - | |
| | | |
| Load | Efficiency % | P.F. |
| 50% | 92.38 | 0.65 |
| 75% | 93.22 | 0.76 |
| 100% | 93.12 | 0.81 |
| | | |
| FULL LOAD TEMPERATURE RISE | | |
| FL Temp Rise °C | 63.0 | - |
| | | |
| 3D Image Link | | |
| GR3-CI-TF-326T-6-BR-F-30 | | |

| GENERAL DATA | | | |
|--|---------------|--------------|-------|
| Frame Size | 326T | | |
| 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 | true | | |
| Double Drilled | true | | |
| Paint Color | Graphite Gray | | |
| Paint RAL | 7024 | | |
| Weight lb | 648.27 | | |
| | | | |
| MECHANICAL DATA | | | |
| DE Bearing | 6312C3 | | |
| NDE Bearing | 6312C3 | | |
| dB No-Load | - | | |
| Rotor Wk ² , Lb-Ft ² | - | | |
| Comp Ring (wavey washer) | DE | | |
| | | | |
| TORQUE VALUES | | Torque lb-ft | % FLT |
| Locked Rotor Torque | 406.285 | 302.0 | |
| Pull-Up Torque | 216.595 | 161.0 | |
| Breakdown Torque | 495.075 | 368.0 | |
| Full Load Torque | 134.531 | 100.0 | |
| | | | |
| SITE CONDITIONS | | | |
| Ambient Temp °C | 40 | | |
| Altitude Above Sea Level m | 1000 | | |



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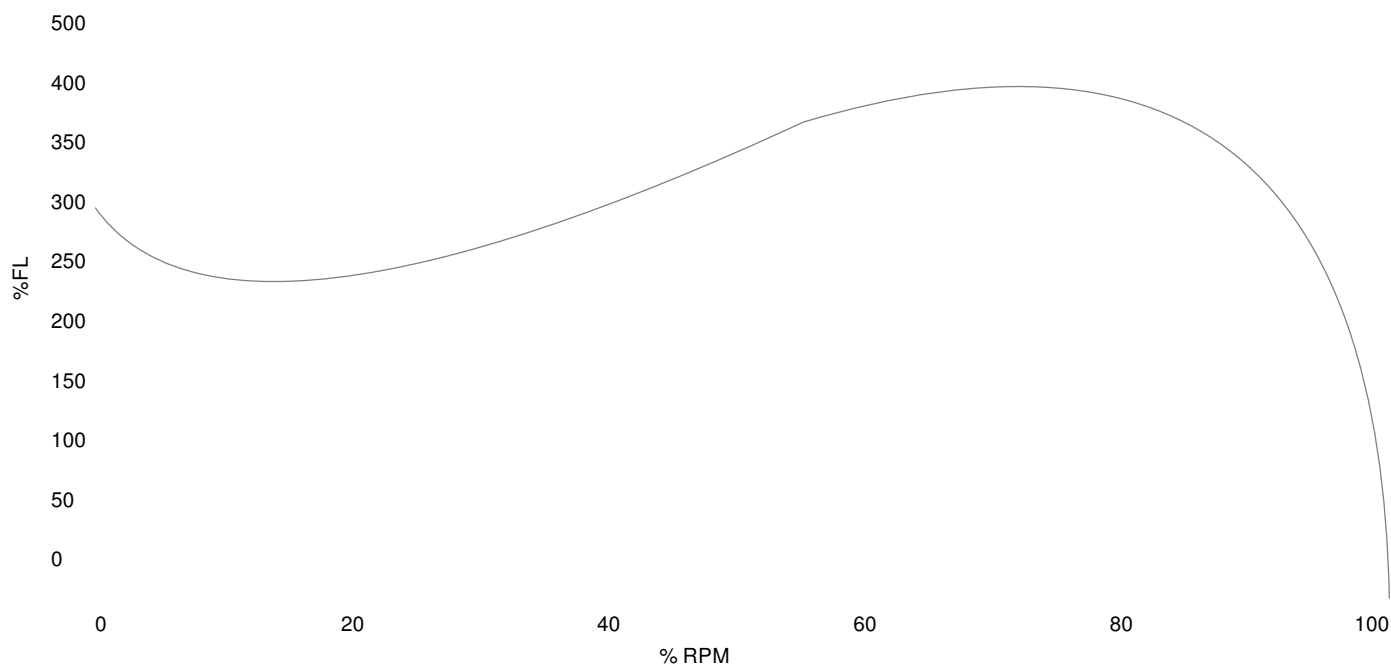
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Premium NEMA Cast Iron, TEFC

Non Sinusoidal (VFD) Output 30.0HP, 1180 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

| Torque Values | Torque lb-ft | % FLT | Performance Values |
|---------------------|--------------|-------|----------------------|
| Locked Rotor Torque | 406.285 | 302.0 | Start Configuration |
| Pull-Up Torque | 216.595 | 161.0 | Starting Current (A) |
| Breakdown Torque | 495.075 | 368.0 | No-Load Current (A) |
| Full Load | 134.531 | 100.0 | No-Load Power Factor |

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF |
|--------|------------|---------------|------------------------|------------|------------|------|
| 0 | - | 17.02 | - | - | - | - |
| 25 | 7.5 | 18.23 | 6.31 | 1196.0 | 88.29 | 0.43 |
| 50 | 15.0 | 23.42 | 12.07 | 1192.5 | 92.38 | 0.65 |
| 75 | 22.5 | 29.7 | 17.94 | 1188.6 | 93.22 | 0.76 |
| 100 | 30.0 | 36.9 | 23.95 | 1184.5 | 93.12 | 0.81 |
| 125 | 37.5 | 44.85 | 30.1 | 1179.9 | 92.6 | 0.84 |

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