



NEMA Premium

NEMA

| | |
|----------------------|--------------------------|
| MOTOR MODEL: | GR3-CI-TF-284T-6-BR-D-15 |
| FACTORY TYPE: | TXC |

Premium NEMA Cast Iron, TEFC

| ELECTRICAL DATA | | |
|--|--------------|-----------|
| | 60 Hz | 50 Hz |
| Horsepower | 15.0 | 15.0 |
| Speed, RPM | 1175 | 965 |
| Voltage | 230/460 | 190/380 |
| # Phase | 3 | |
| Full Load Amps | 40.3/20.15 | 46.8/23.4 |
| Power Factor | 0.8 | - |
| Nominal Efficiency | 91.7 | 89.1 |
| 3/4 Load Efficiency | - | - |
| Service Factor | 1.25 | 1.0 |
| KVA Code | M | F |
| FL Amps. @ 208 V | 44.568 | - |
| Locked Rotor Current | 203.894 | - |
| Start Capacitor | - | |
| Start Capacitor V | - | |
| Run Capacitor | - | |
| Run Capacitor V | - | |
| Number of Leads | 12 | |
| Connection | DD/D | |
| Coil Resistance | - | |
| | | |
| | | |
| Load | Efficiency % | P.F. |
| 50% | 89.62 | 0.58 |
| 75% | 91.24 | 0.71 |
| 100% | 91.52 | 0.78 |
| | | |
| FULL LOAD TEMPERATURE RISE | | |
| FL Temp Rise °C | 46.0 | - |
| | | |
| | | |
| 3D Image Link | | |
| GR3-CI-TF-284T-6-BR-D-15 | | |

| GENERAL DATA | | | | |
|--|---------------|-------|--------------|-------|
| Frame Size | 284T | | | |
| 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 1-1/2" | | | |
| Feet Removable | true | | | |
| Double Drilled | - | | | |
| Paint Color | Graphite Gray | | | |
| Paint RAL | 7024 | | | |
| Weight lb | 363.825 | | | |
| | | | | |
| MECHANICAL DATA | | | | |
| DE Bearing | 6311C3 | | | |
| NDE Bearing | 6311C3 | | | |
| dB No-Load | - | | | |
| Rotor Wk ² , Lb-Ft ² | - | | | |
| Comp Ring (wavey washer) | DE | | | |
| | | | | |
| TORQUE VALUES | | | Torque lb-ft | % FLT |
| Locked Rotor Torque | 220.176 | 326.0 | | |
| Pull-Up Torque | 96.5801 | 143.0 | | |
| Breakdown Torque | 268.128 | 397.0 | | |
| Full Load Torque | 67.5386 | 100.0 | | |
| | | | | |
| SITE CONDITIONS | | | | |
| Ambient Temp °C | 40 | | | |
| Altitude Above Sea Level m | 1000 | | | |



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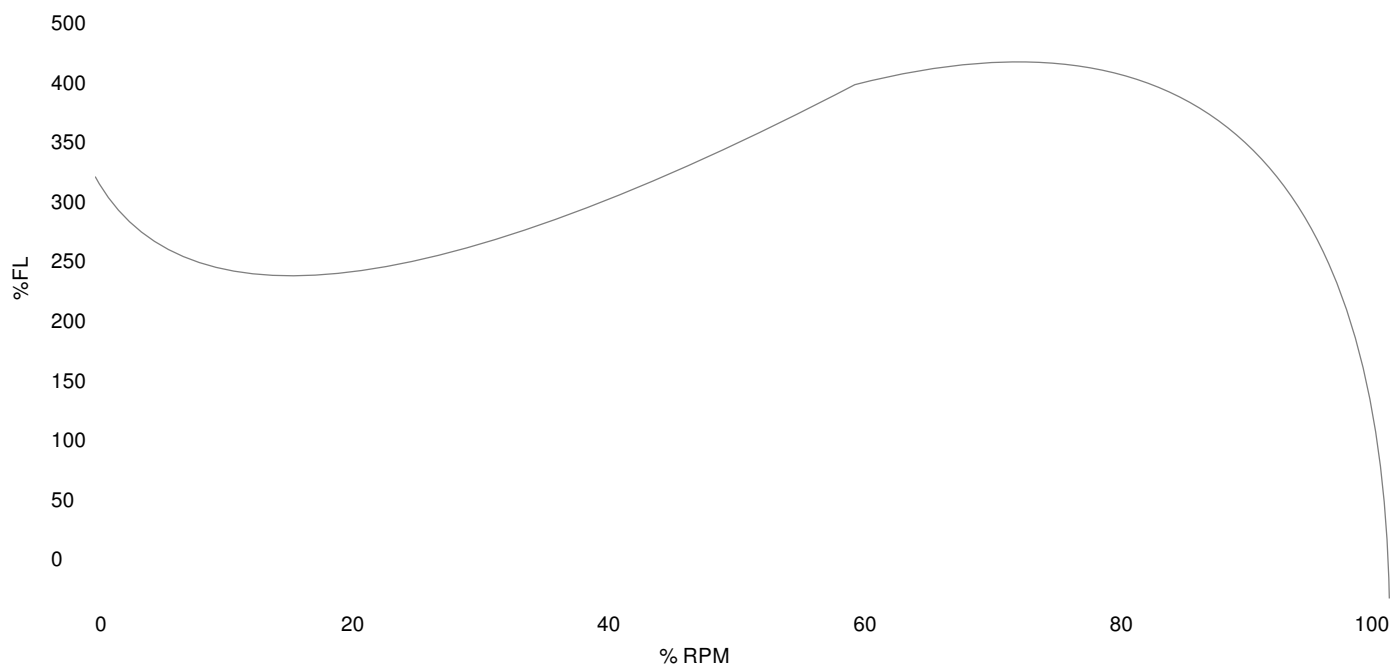
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Premium NEMA Cast Iron, TEFC

Non Sinusoidal (VFD) Output 15.0HP, 1175 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

| Torque Values | Torque lb-ft | % FLT | Performance Values |
|---------------------|--------------|-------|----------------------|
| Locked Rotor Torque | 220.176 | 326.0 | Start Configuration |
| Pull-Up Torque | 96.5801 | 143.0 | Starting Current (A) |
| Breakdown Torque | 268.128 | 397.0 | No-Load Current (A) |
| Full Load | 67.5386 | 100.0 | No-Load Power Factor |

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF |
|--------|------------|---------------|------------------------|------------|------------|------|
| 0 | - | 10.91 | - | - | - | - |
| 25 | 3.75 | 11.67 | 3.39 | 1196.6 | 83.41 | 0.36 |
| 50 | 7.5 | 13.71 | 6.3 | 1193.3 | 89.62 | 0.58 |
| 75 | 11.25 | 16.54 | 9.29 | 1189.8 | 91.24 | 0.71 |
| 100 | 15.0 | 19.97 | 12.35 | 1186.0 | 91.52 | 0.78 |
| 125 | 18.75 | 23.86 | 15.49 | 1182.0 | 91.21 | 0.81 |

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