



NEMA Premium

NEMA

| | |
|----------------------|---------------------------|
| MOTOR MODEL: | BR3-CI-TF-404TC-6-RR-E-60 |
| FACTORY TYPE: | TXC |

Premium NEMA Cast Iron, TEFC

| ELECTRICAL DATA | | |
|------------------------------|--------------|-------|
| | 60 Hz | 50 Hz |
| Horsepower | 60.0 | 60.0 |
| Speed, RPM | 1185 | 980 |
| Voltage | 460 | 380 |
| # Phase | 3 | |
| Full Load Amps | 70 | - |
| Power Factor | 0.85 | - |
| Nominal Efficiency | 94.5 | 92.5 |
| 3/4 Load Efficiency | - | - |
| Service Factor | 1.15 | 1.0 |
| KVA Code | J | E |
| FL Amps. @ 208 V | - | - |
| Locked Rotor Current | 551.432 | - |
| 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% | 93.05 | 0.74 |
| 75% | 94.06 | 0.83 |
| 100% | 94.14 | 0.86 |
| | | |
| FULL LOAD TEMPERATURE RISE | | |
| FL Temp Rise °C | 64.0 | - |
| | | |
| 3D Image Link | | |
| Not available for this motor | | |

| GENERAL DATA | | | | |
|--|----------------|-------|--------------|-------|
| Frame Size | 404TC | | | |
| Frame Enclosure | TEFC | | | |
| Mounting | Rigid/C-Flange | | | |
| Insulation Class | F | | | |
| Duty | Cont. / S1 | | | |
| NEMA Design | A | | | |
| Frame Material | Cast Iron | | | |
| Ingress Protection | 56 | | | |
| Tropicalization | true | | | |
| Cable Entry | 1-NPT 3" | | | |
| Feet Removable | - | | | |
| Double Drilled | true | | | |
| Paint Color | Graphite Gray | | | |
| Paint RAL | 7024 | | | |
| Weight lb | 975.713 | | | |
| | | | | |
| MECHANICAL DATA | | | | |
| DE Bearing | NU316 | | | |
| NDE Bearing | 6314C3 | | | |
| dB No-Load | - | | | |
| Rotor Wk ² , Lb-Ft ² | - | | | |
| Comp Ring (wavy washer) | - | | | |
| | | | | |
| TORQUE VALUES | | | Torque lb-ft | % FLT |
| Locked Rotor Torque | 636.28 | 237.0 | | |
| Pull-Up Torque | 338.276 | 126.0 | | |
| Breakdown Torque | 644.334 | 240.0 | | |
| Full Load Torque | 268.473 | 100.0 | | |
| | | | | |
| SITE CONDITIONS | | | | |
| Ambient Temp °C | 40 | | | |
| Altitude Above Sea Level m | 1000 | | | |



NEMA Premium

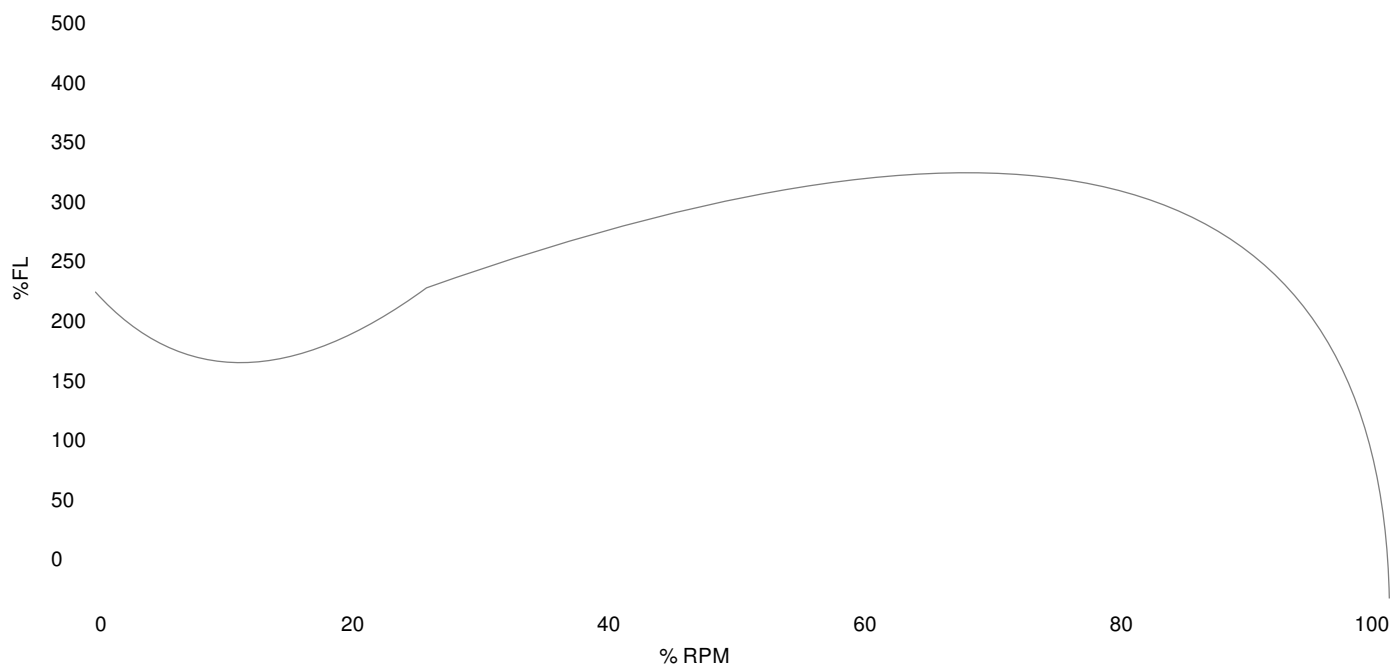
NEMA

| | |
|----------------------|---------------------------|
| MOTOR MODEL: | BR3-CI-TF-404TC-6-RR-E-60 |
| FACTORY TYPE: | TXC |

Premium NEMA Cast Iron, TEFC

Non Sinusoidal (VFD) Output 60.0HP, 1185 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

| Torque Values | Torque lb-ft | % FLT | Performance Values |
|---------------------|--------------|-------|----------------------|
| Locked Rotor Torque | 636.28 | 237.0 | Start Configuration |
| Pull-Up Torque | 338.276 | 126.0 | Starting Current (A) |
| Breakdown Torque | 644.334 | 240.0 | No-Load Current (A) |
| Full Load | 268.473 | 100.0 | No-Load Power Factor |

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF |
|--------|------------|---------------|------------------------|------------|------------|------|
| 0 | - | 24.92 | - | - | - | - |
| 25 | 15.0 | 29.93 | 12.66 | 1196.9 | 88.86 | 0.53 |
| 50 | 30.0 | 40.96 | 24.18 | 1193.9 | 93.05 | 0.74 |
| 75 | 45.0 | 54.47 | 35.88 | 1190.5 | 94.06 | 0.83 |
| 100 | 60.0 | 69.89 | 47.8 | 1186.9 | 94.14 | 0.86 |
| 125 | 75.0 | 79.81 | 55.06 | 1184.6 | 93.99 | 0.87 |

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