



NEMA Premium

NEMA

| | |
|----------------------|---------------------------|
| MOTOR MODEL: | BR3-CI-TF-365TC-4-BR-E-75 |
| FACTORY TYPE: | TXC |

Premium NEMA Cast Iron, TEFC

| ELECTRICAL DATA | | |
|---|--------------|-------|
| | 60 Hz | 50 Hz |
| Horsepower | 75.0 | 75.0 |
| Speed, RPM | 1775 | 1465 |
| Voltage | 460 | 380 |
| # Phase | 3 | |
| Full Load Amps | 86.2 | - |
| Power Factor | 0.87 | - |
| Nominal Efficiency | 95.4 | 92.5 |
| 3/4 Load Efficiency | - | - |
| Service Factor | 1.15 | 1.0 |
| KVA Code | L | F |
| FL Amps. @ 208 V | - | - |
| Locked Rotor Current | 829.228 | - |
| 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% | 94.91 | 0.78 |
| 75% | 95.51 | 0.85 |
| 100% | 95.47 | 0.89 |
| | | |
| FULL LOAD TEMPERATURE RISE | | |
| FL Temp Rise °C | 62.0 | - |
| | | |
| 3D Image Link | | |
| BR3-CI-TF-365TC-4-BR-E-75 | | |

| GENERAL DATA | | |
|--|----------------|-------|
| Frame Size | 365TC | |
| 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 2" | |
| Feet Removable | - | |
| Double Drilled | true | |
| Paint Color | Graphite Gray | |
| Paint RAL | 7024 | |
| Weight lb | 873.18 | |
| | | |
| MECHANICAL DATA | | |
| DE Bearing | 6313C3 | |
| NDE Bearing | 6313C3 | |
| dB No-Load | - | |
| Rotor Wk ² , Lb-Ft ² | - | |
| Comp Ring (wavey washer) | - | |
| | | |
| TORQUE VALUES | | % FLT |
| Locked Rotor Torque | 734.712 | 328.0 |
| Pull-Up Torque | 369.596 | 165.0 |
| Breakdown Torque | 665.273 | 297.0 |
| Full Load Torque | 223.998 | 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 Techtop for more info.



NEMA Premium

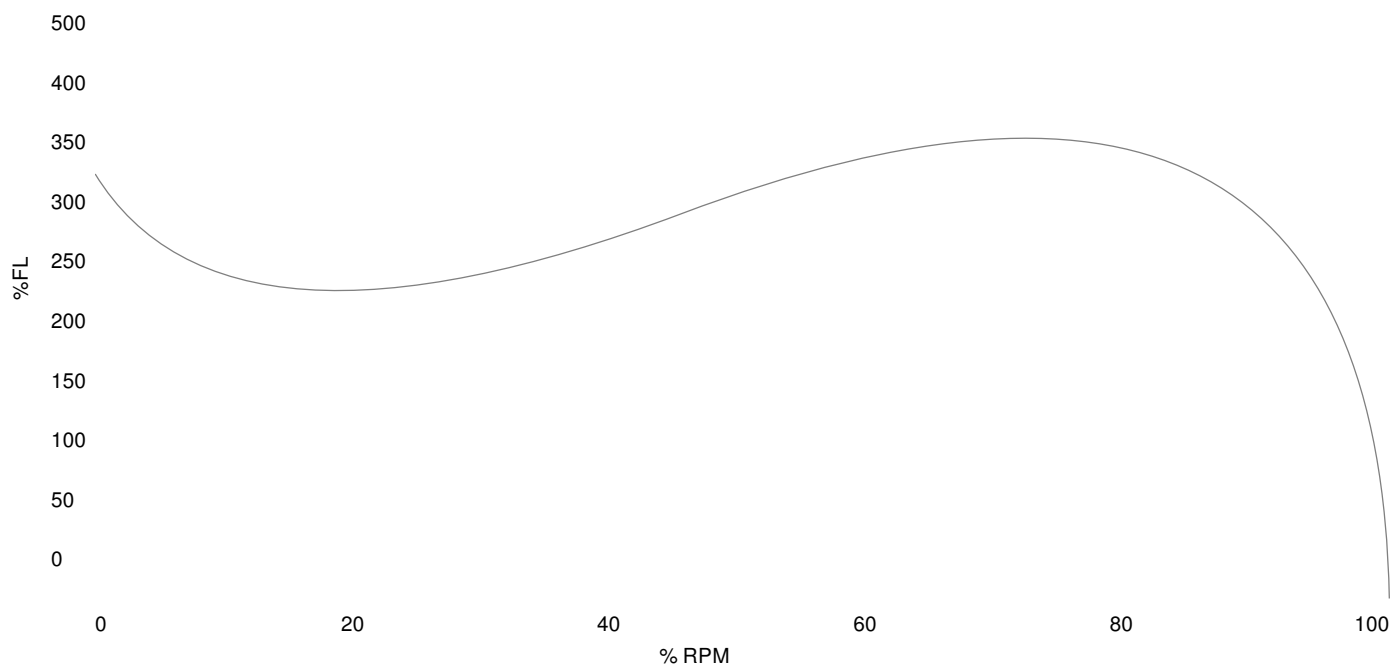
NEMA

| | |
|----------------------|---------------------------|
| MOTOR MODEL: | BR3-CI-TF-365TC-4-BR-E-75 |
| FACTORY TYPE: | TXC |

Premium NEMA Cast Iron, TEFC

Non Sinusoidal (VFD) Output 75.0HP, 1775 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

| Torque Values | Torque lb-ft | % FLT | Performance Values |
|---------------------|--------------|-------|----------------------|
| Locked Rotor Torque | 734.712 | 328.0 | Start Configuration |
| Pull-Up Torque | 369.596 | 165.0 | Starting Current (A) |
| Breakdown Torque | 665.273 | 297.0 | No-Load Current (A) |
| Full Load | 223.998 | 100.0 | No-Load Power Factor |

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF |
|--------|------------|---------------|------------------------|------------|------------|------|
| 0 | - | 27.82 | - | - | - | - |
| 25 | 18.75 | 32.3 | 15.16 | 1795.3 | 92.0 | 0.59 |
| 50 | 37.5 | 47.4 | 29.4 | 1790.9 | 94.91 | 0.78 |
| 75 | 56.25 | 64.34 | 43.82 | 1786.2 | 95.51 | 0.85 |
| 100 | 75.0 | 82.84 | 58.45 | 1781.2 | 95.47 | 0.89 |
| 125 | 93.75 | 102.61 | 73.31 | 1775.9 | 95.15 | 0.9 |

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