NEMA Premium

# NEMA

| | |
|---|---|
| **MOTOR MODEL:** | BR3-CI-TF-364TC-4-BR-E-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 | 460 | 380 |
| # Phase | 3 | |
| Full Load Amps | 69.4 | - |
| 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 | - | - |
| LRC @ 60Hz HV | 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 |
|---|
| BR3-CI-TF-364TC-4-BR-E-60 |

*This report valid for above Date Code and newer models, please contact Techtop for more info.

| GENERAL DATA | |
|---|---|
| Frame Size | 364TC |
| 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 | - |
| Paint Color | Graphite Gray |
| Paint RAL | 7024 |
| Weight lb | 782.775 |

| MECHANICAL DATA | |
|---|---|
| DE Bearing | 6313C3 |
| NDE Bearing | 6313C3 |
| dB No-Load | - |
| Rotor Wk², Lb-Ft² | - |
| Comp Ring (wavey washer) | - |

| TORQUE VALUES | Torque lb-ft | % 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 |

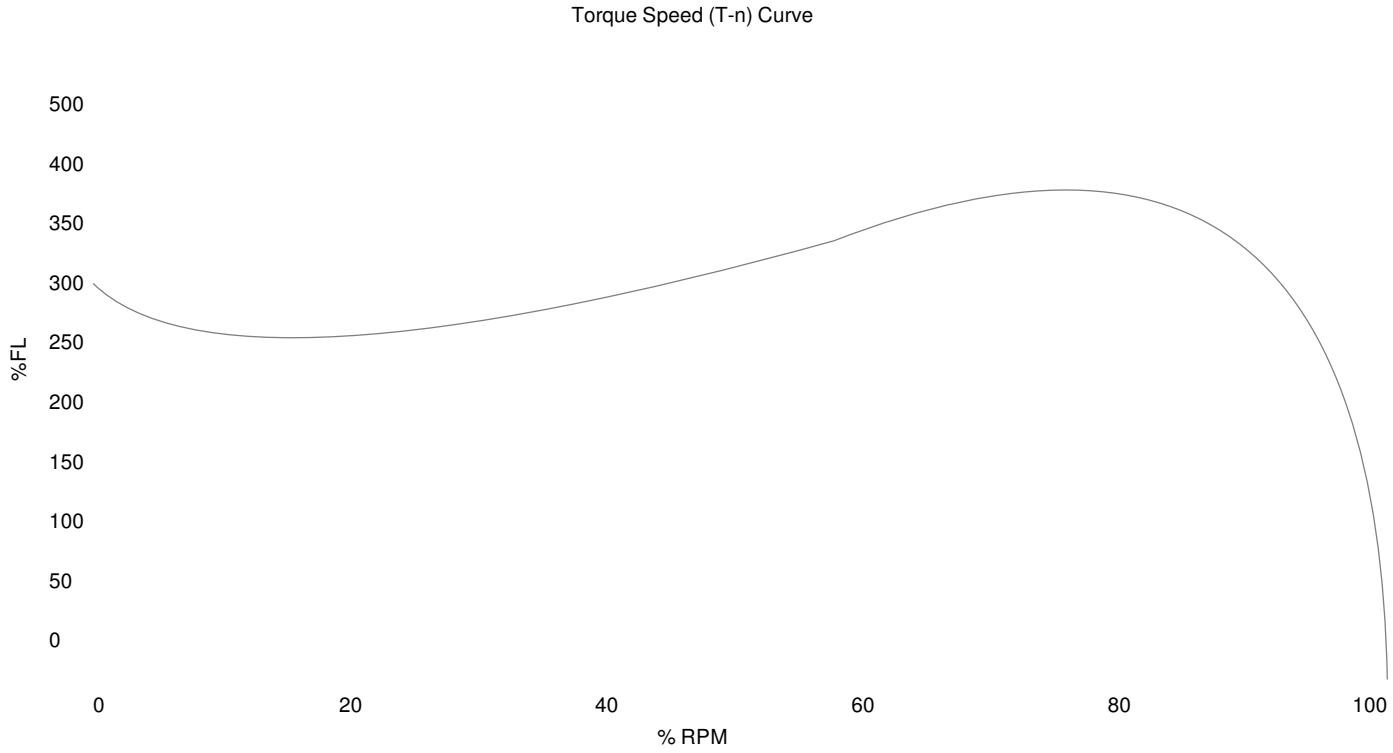
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| **FACTORY TYPE:** | TXC |

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## Premium NEMA Cast Iron,  TEFC




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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