



NEMA Premium

NEMA

| | |
|----------------------|---------------------------|
| MOTOR MODEL: | BR3-CI-TF-447T-4-BR-E-200 |
| FACTORY TYPE: | TXC |

Premium NEMA Cast Iron, TEFC

| ELECTRICAL DATA | | |
|---|--------------|--------|
| | 60 Hz | 50 Hz |
| Horsepower | 200.0 | 200.0 |
| Speed, RPM | 1787 | - |
| Voltage | 460 | 380 |
| # Phase | 3 | |
| Full Load Amps | 217.8 | 269 |
| Power Factor | 0.9012 | - |
| Nominal Efficiency | 96.2 | 94.0 |
| 3/4 Load Efficiency | - | - |
| Service Factor | 1.15 | 1.0 |
| KVA Code | G | D |
| FL Amps. @ 208 V | - | - |
| LRC @ 60Hz HV | 1537.67 | - |
| Start Capacitor | - | |
| Start Capacitor V | - | |
| Run Capacitor | - | |
| Run Capacitor V | - | |
| Number of Leads | 6 | |
| Connection | D | |
| Coil Resistance | - | |
| Date Code | - | |
| Load | Efficiency % | P.F. |
| 50% | 96.239 | 0.843 |
| 75% | 96.294 | 0.892 |
| 100% | 96.2 | 0.9012 |
| FULL LOAD TEMPERATURE RISE | | |
| FL Temp Rise °C | 79.4 | - |
| 3D Image Link | | |
| BR3-CI-TF-447T-4-BR-E-200 | | |

| GENERAL DATA | | |
|--|---------------|-------|
| Frame Size | 447T | |
| Frame Enclosure | TEFC | |
| Mounting | Rigid | |
| Insulation Class | F | |
| Duty | Cont. / S1 | |
| NEMA Design | B | |
| Frame Material | Cast Iron | |
| Ingress Protection | 56 | |
| Tropicalization | true | |
| Cable Entry | 2-NPT 3" | |
| Feet Removable | - | |
| Double Drilled | true | |
| Paint Color | Graphite Gray | |
| Paint RAL | 7024 | |
| Weight lb | - | |
| MECHANICAL DATA | | |
| DE Bearing | 6319C3 | |
| NDE Bearing | 6319C3 | |
| dB No-Load | - | |
| Rotor Wk ² , Lb-Ft ² | - | |
| Comp Ring (wavey washer) | DE | |
| TORQUE VALUES | Torque lb-ft | % FLT |
| Locked Rotor Torque | 1322.45 | 224.0 |
| Pull-Up Torque | 655.322 | 111.0 |
| Breakdown Torque | 1151.24 | 195.0 |
| Full Load Torque | 590.38 | 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 Techttop for more info.

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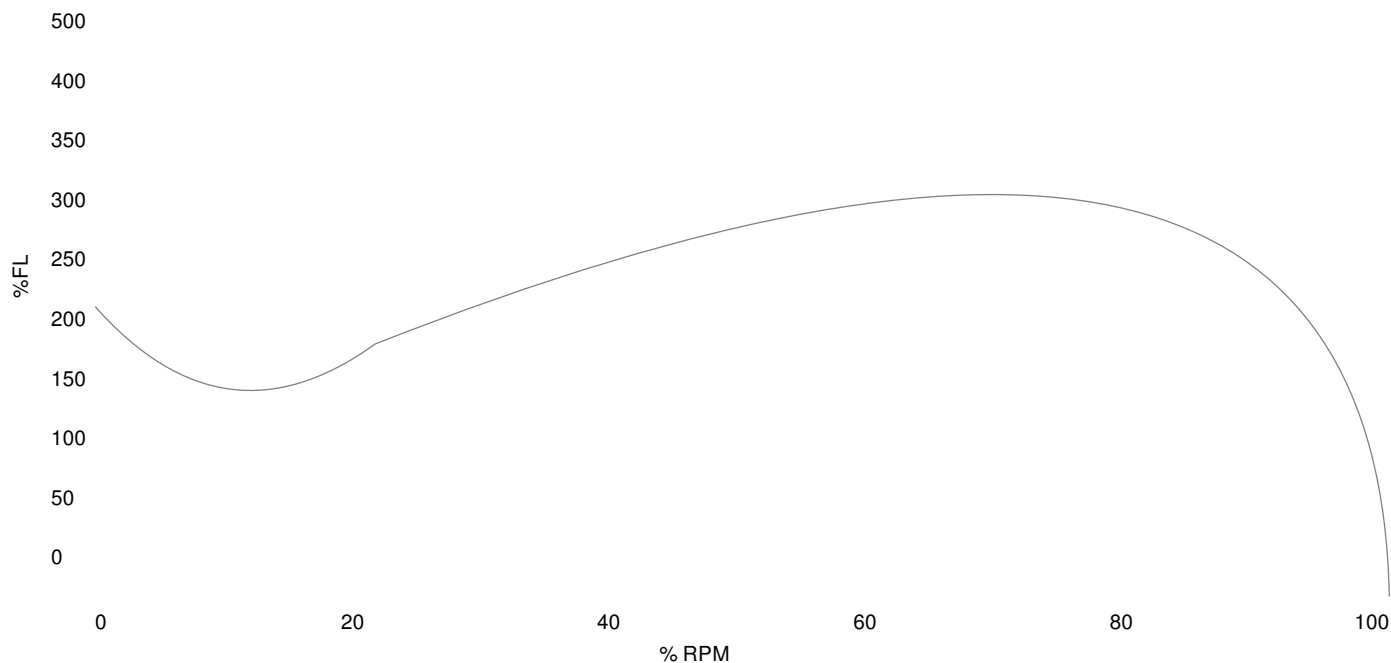
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Premium NEMA Cast Iron, TEFC

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

| Torque Values | Torque lb-ft | % FLT | Performance Values |
|---------------------|--------------|-------|----------------------|
| Locked Rotor Torque | 1322.45 | 224.0 | Start Configuration |
| Pull-Up Torque | 655.322 | 111.0 | Starting Current (A) |
| Breakdown Torque | 1151.24 | 195.0 | No-Load Current (A) |
| Full Load | 590.38 | 100.0 | No-Load Power Factor |

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF |
|--------|------------|---------------|------------------------|------------|------------|--------|
| 0 | - | 51.04 | - | - | - | - |
| 25 | 50.0 | 73.751 | 39.616 | 1796.9 | 94.659 | 0.674 |
| 50 | 100.0 | 116.02 | 77.93 | 1794.0 | 96.239 | 0.843 |
| 75 | 164.37 | 116.83 | 117.4 | 1790.8 | 96.294 | 0.892 |
| 100 | 200.0 | 217.8 | 156.38 | 1787.3 | 96.2 | 0.9012 |
| 125 | 250.0 | 275.25 | 196.66 | 1789.4 | 95.342 | 0.8968 |

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