



NEMA Premium

NEMA

| | |
|----------------------|--------------------------|
| MOTOR MODEL: | BR3-CI-TF-364T-6-BR-E-40 |
| FACTORY TYPE: | TXC |

Premium NEMA Cast Iron, TEFC

| ELECTRICAL DATA | | |
|--|--------------|-------|
| | 60 Hz | 50 Hz |
| Horsepower | 40.0 | 40.0 |
| Speed, RPM | 1180 | 980 |
| Voltage | 460 | 380 |
| # Phase | 3 | |
| Full Load Amps | 47.4 | - |
| Power Factor | 0.84 | - |
| Nominal Efficiency | 94.1 | 92.5 |
| 3/4 Load Efficiency | - | - |
| Service Factor | 1.15 | 1.0 |
| KVA Code | J | E |
| FL Amps. @ 208 V | - | - |
| Locked Rotor Current | - | - |
| 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% | - | - |
| 75% | - | - |
| 100% | - | - |
| | | |
| FULL LOAD TEMPERATURE RISE | | |
| FL Temp Rise °C | - | - |
| | | |
| 3D Image Link | | |
| BR3-CI-TF-364T-6-BR-E-40 | | |

| GENERAL DATA | | | |
|--|---------------|--------------|-------|
| Frame Size | 364T | | |
| Frame Enclosure | TEFC | | |
| Mounting | Rigid | | |
| 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 | 725.445 | | |
| | | | |
| MECHANICAL DATA | | | |
| DE Bearing | 6313C3 | | |
| NDE Bearing | 6313C3 | | |
| dB No-Load | - | | |
| Rotor Wk ² , Lb-Ft ² | - | | |
| Comp Ring (wavey washer) | DE | | |
| | | | |
| TORQUE VALUES | | Torque lb-ft | % FLT |
| Locked Rotor Torque | - | - | |
| Pull-Up Torque | - | - | |
| Breakdown Torque | - | - | |
| Full Load Torque | - | 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.



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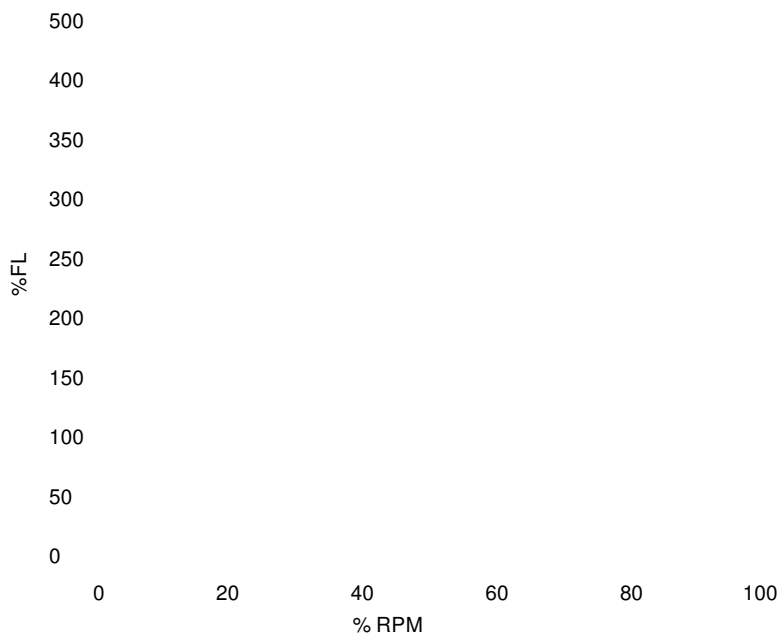
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Premium NEMA Cast Iron, TEFC

Non Sinusoidal (VFD) Output 40.0HP, 1180 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

| Torque Values | Torque lb-ft | % FLT | Performance Values |
|---------------------|--------------|-------|----------------------|
| Locked Rotor Torque | - | - | Start Configuration |
| Pull-Up Torque | - | - | Starting Current (A) |
| Breakdown Torque | - | - | No-Load Current (A) |
| Full Load | - | 100.0 | No-Load Power Factor |

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF |
|--------|------------|---------------|------------------------|------------|------------|----|
| 0 | - | 16.39 | - | - | - | - |
| 25 | 10.0 | - | - | - | - | - |
| 50 | 20.0 | - | - | - | - | - |
| 75 | 30.0 | - | - | - | - | - |
| 100 | 40.0 | - | - | - | - | - |
| 125 | 50.0 | - | - | - | - | - |