



Oil Pump

NEMA

| | |
|----------------------|--------------------------|
| MOTOR MODEL: | BK3-CI-TF-404T-6-RR-G-60 |
| FACTORY TYPE: | - |

NEMA Cast Iron, TEFC

| ELECTRICAL DATA | | |
|------------------------------|------------------|--------|
| | 60 Hz | 50 Hz |
| Horsepower | 60.0 | - |
| Speed, RPM | 1135 | - |
| Voltage | 230/460/796 | - |
| # Phase | - | |
| Full Load Amps | 135.2/67.6/39.07 | - |
| Power Factor | 0.9 | 3.0 |
| Nominal Efficiency | 92.0 | - |
| Service Factor | 1.15 | - |
| KVA Code | F | - |
| FL Amps. @ 208 V | - | - |
| LRC @ 60Hz HV | 385.5 | - |
| Start Capacitor | - | |
| Start Capacitor V | - | |
| Run Capacitor | - | |
| Run Capacitor V | - | |
| Number of Leads | 12 | |
| Connection | - | |
| Coil Resistance | - | |
| Date Code | - | |
| | | |
| Load | Efficiency % | P.F. |
| 50% | 93.21 | 0.8726 |
| 75% | 93.15 | 0.9062 |
| 100% | 92.21 | 0.9066 |
| | | |
| FULL LOAD TEMPERATURE RISE | | |
| FL Temp Rise °C | - | - |
| | | |
| 3D Image Link | | |
| Not available for this motor | | |

| GENERAL DATA | | |
|--|-----------|-------|
| Frame Size | 404T | |
| Frame Enclosure | TEFC | |
| Mounting | Rigid | |
| Insulation Class | F | |
| Duty | - | |
| NEMA Design | D | |
| Frame Material | Cast Iron | |
| Ingress Protection | 55 | |
| Tropicalization | true | |
| Cable Entry | - | |
| Feet Removable | - | |
| Double Drilled | - | |
| Paint Color | - | |
| Paint RAL | - | |
| Weight lb | 802.0 | |
| | | |
| MECHANICAL DATA | | |
| DE Bearing | NU6316 | |
| NDE Bearing | 6316C3 | |
| dB No-Load | - | |
| Rotor Wk ² , Lb-Ft ² | - | |
| Comp Ring (wavy washer) | - | |
| | | |
| TORQUE VALUES | | % FLT |
| Locked Rotor Torque | 361.81 | 133.0 |
| Pull-Up Torque | 223.57 | 82.0 |
| Breakdown Torque | 561.65 | 206.0 |
| Full Load Torque | 272.65 | 100.0 |
| | | |
| SITE CONDITIONS | | |
| Ambient Temp °C | - | |
| Altitude Above Sea Level m | - | |

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



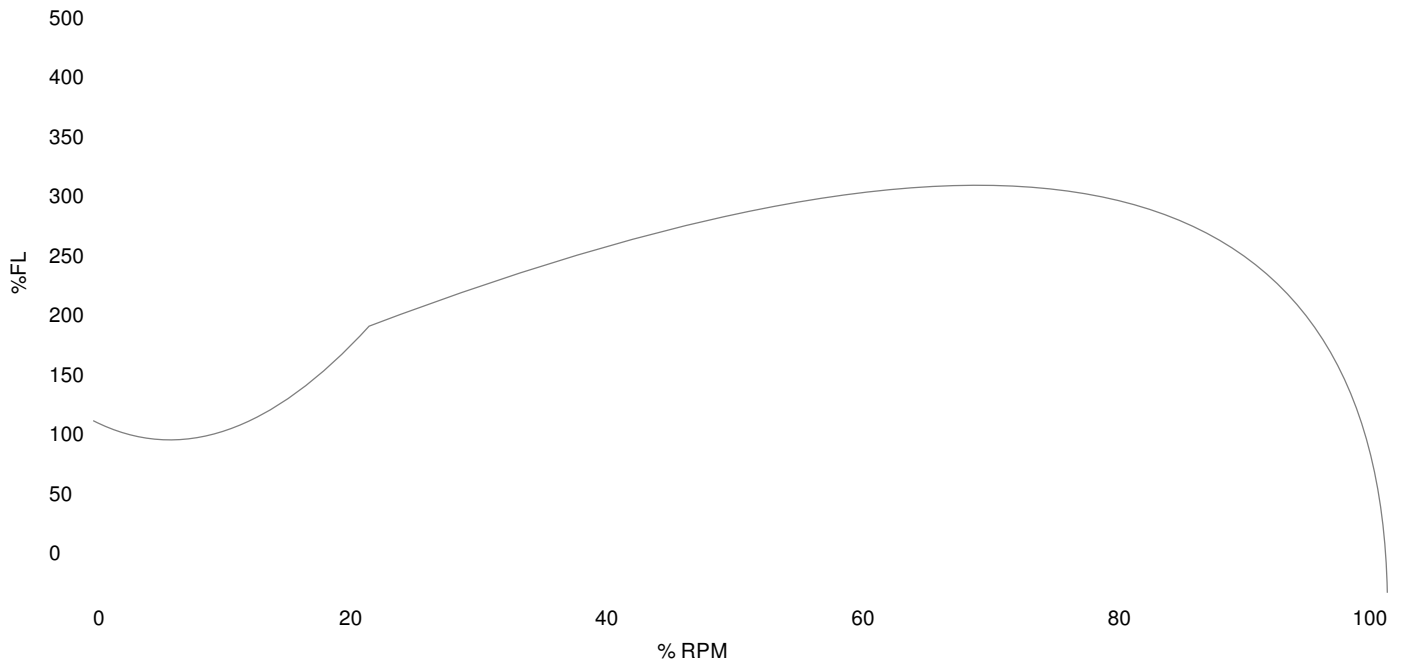
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Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

| Torque Values | Torque lb-ft | % FLT | Performance Values |
|---------------------|--------------|-------|----------------------|
| Locked Rotor Torque | 361.81 | 133.0 | Start Configuration |
| Pull-Up Torque | 223.57 | 82.0 | Starting Current (A) |
| Breakdown Torque | 561.65 | 206.0 | No-Load Current (A) |
| Full Load | 272.65 | 100.0 | No-Load Power Factor |

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF |
|--------|------------|---------------|------------------------|------------|------------|--------|
| 0 | 0.0 | 13.18 | 0.992 | 1198.0 | 0.0 | - |
| 25 | 15.0 | 20.86 | 12.42 | 1191.6 | 90.58 | 0.7473 |
| 50 | 30.0 | 34.72 | 24.14 | 1183.3 | 93.21 | 0.8726 |
| 75 | 45.0 | 50.18 | 36.23 | 1173.6 | 93.15 | 0.9062 |
| 100 | 60.0 | 67.56 | 48.8 | 1162.3 | 92.21 | 0.9066 |
| 125 | 75.0 | 87.16 | 61.98 | 1149.5 | 90.76 | 0.8925 |

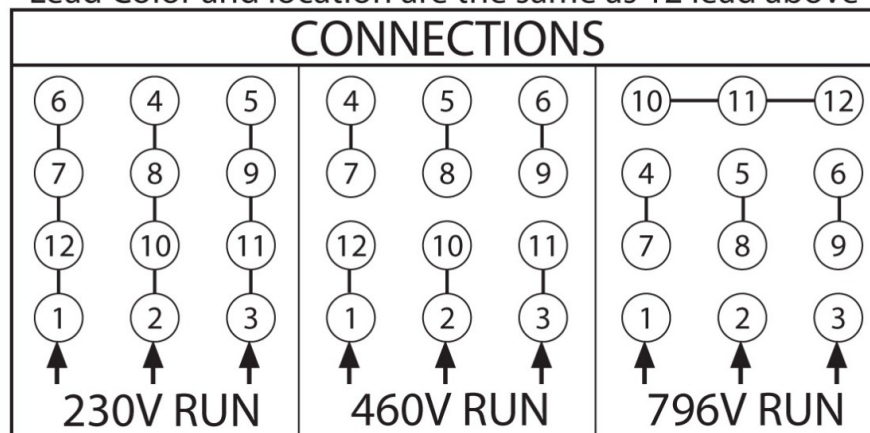
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3 Phase - $\Delta/\Delta/\Delta/Y$ - 12 Lead - BK3 Motors
 Lead Color and location are the same as 12 lead above



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