



Pump Motors

NEMA

| | |
|----------------------|--------------------------|
| MOTOR MODEL: | BK3-CI-TF-284T-6-BR-G-15 |
| FACTORY TYPE: | - |

NEMA Cast Iron, TEFC

| ELECTRICAL DATA | | |
|------------------------------|--------------|--------|
| | 60 Hz | 50 Hz |
| Horsepower | 15.0 | - |
| Speed, RPM | 1139 | - |
| Voltage | 230/460/796 | - |
| # Phase | - | |
| Full Load Amps | 38.2/19.1/11 | - |
| Power Factor | 0.84 | 3.0 |
| Nominal Efficiency | 87.7 | - |
| 3/4 Load Efficiency | - | - |
| Service Factor | 1.15 | - |
| KVA Code | G | - |
| FL Amps. @ 208 V | - | - |
| Locked Rotor Current | 129.8 | - |
| Start Capacitor | - | |
| Start Capacitor V | - | |
| Run Capacitor | - | |
| Run Capacitor V | - | |
| Number of Leads | 12 | |
| Connection | - | |
| Coil Resistance | - | |
| Date Code | - | |
| | | |
| Load | Efficiency % | P.F. |
| 50% | 86.3 | 0.7344 |
| 75% | 87.17 | 0.8199 |
| 100% | 86.15 | 0.8534 |
| | | |
| FULL LOAD TEMPERATURE RISE | | |
| FL Temp Rise °C | - | - |
| | | |
| 3D Image Link | | |
| Not available for this motor | | |

| GENERAL DATA | | |
|--|-----------|-------|
| Frame Size | 284T | |
| Frame Enclosure | TEFC | |
| Mounting | Rigid | |
| Insulation Class | F | |
| Duty | - | |
| NEMA Design | D | |
| Frame Material | Cast Iron | |
| Ingress Protection | 55 | |
| Tropicalization | - | |
| Cable Entry | - | |
| Feet Removable | - | |
| Double Drilled | - | |
| Paint Color | - | |
| Paint RAL | - | |
| Weight lb | 301.0 | |
| | | |
| MECHANICAL DATA | | |
| DE Bearing | 6311C3 | |
| NDE Bearing | 6311C3 | |
| dB No-Load | - | |
| Rotor Wk ² , Lb-Ft ² | - | |
| Comp Ring (wavy washer) | - | |
| | | |
| TORQUE VALUES | | % FLT |
| Locked Rotor Torque | 216.53 | 309.0 |
| Pull-Up Torque | 138.69 | 198.0 |
| Breakdown Torque | 176.52 | 252.0 |
| Full Load Torque | 70.05 | 100.0 |
| | | |
| SITE CONDITIONS | | |
| Ambient Temp °C | - | |
| Altitude Above Sea Level m | - | |

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



Pump Motors

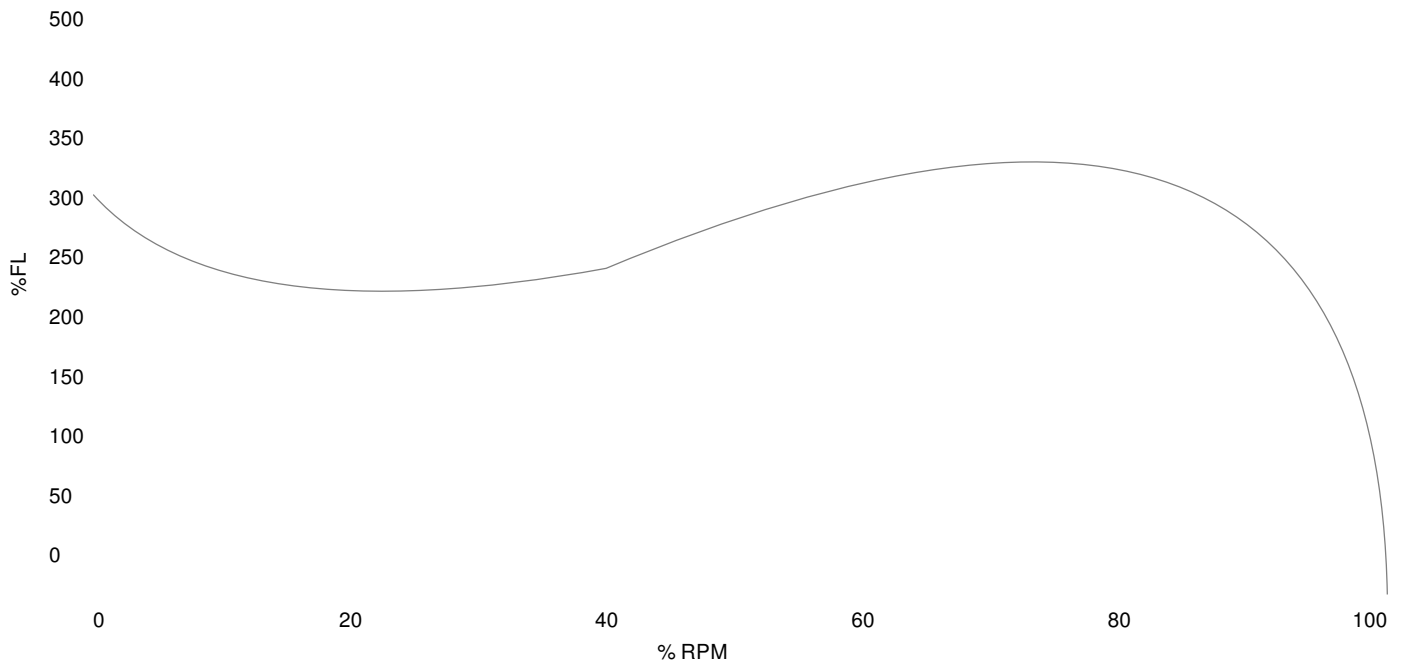
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| FACTORY TYPE: | - |

NEMA Cast Iron, TEFC

Non Sinusoidal (VFD) Output 15.0HP, 1139 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

| Torque Values | Torque lb-ft | % FLT | Performance Values |
|---------------------|--------------|-------|----------------------|
| Locked Rotor Torque | 216.53 | 309.0 | Start Configuration |
| Pull-Up Torque | 138.69 | 198.0 | Starting Current (A) |
| Breakdown Torque | 176.52 | 252.0 | No-Load Current (A) |
| Full Load | 70.05 | 100.0 | No-Load Power Factor |

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF |
|--------|------------|---------------|------------------------|------------|------------|--------|
| 0 | 0.0 | 7.206 | 0.6169 | 1199.0 | 0.0 | - |
| 25 | 3.75 | 8.068 | 3.497 | 1182.2 | 80.07 | 0.544 |
| 50 | 7.5 | 11.09 | 6.489 | 1167.5 | 86.3 | 0.7344 |
| 75 | 11.25 | 14.75 | 9.636 | 1148.7 | 87.17 | 0.8199 |
| 100 | 15.0 | 19.12 | 13.0 | 1125.9 | 86.15 | 0.8534 |
| 125 | 18.75 | 24.26 | 16.65 | 1099.1 | 84.08 | 0.8614 |

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