



Pump Motors

NEMA

| | |
|----------------------|------------------------|
| MOTOR MODEL: | GR3-AL-TF-56J-2-B-D-.5 |
| FACTORY TYPE: | TXA |

Premium NEMA Cast Aluminum, TEFC

| ELECTRICAL DATA | | |
|------------------------------|----------------|-----------|
| | 60 Hz | 50 Hz |
| Horsepower | 0.5 | 0.5 |
| Speed, RPM | 3490 | 2870 |
| Voltage | 208-230/460 | 190/380 |
| # Phase | 3 | |
| Full Load Amps | 1.71-1.74/0.87 | 1.94/0.97 |
| Power Factor | 0.72 | - |
| Nominal Efficiency | 74.0 | 73.5 |
| 3/4 Load Efficiency | - | - |
| Service Factor | 1.25 | 1.0 |
| KVA Code | L | H |
| FL Amps. @ 208 V | 1.71 | - |
| LRC @ 60Hz HV | 5.8349 | - |
| Start Capacitor | - | |
| Start Capacitor V | - | |
| Run Capacitor | - | |
| Run Capacitor V | - | |
| Number of Leads | 9 | |
| Connection | YY/Y | |
| Coil Resistance | - | |
| Date Code | - | |
| | | |
| Load | Efficiency % | P.F. |
| 50% | - | - |
| 75% | - | - |
| 100% | - | - |
| FULL LOAD TEMPERATURE RISE | | |
| FL Temp Rise °C | 26.2 | - |
| | | |
| 3D Image Link | | |
| Not available for this motor | | |

| GENERAL DATA | | |
|--|----------------|-------|
| Frame Size | 56J | |
| Frame Enclosure | TEFC | |
| Mounting | Rigid/C-Flange | |
| Insulation Class | F | |
| Duty | Cont. / S1 | |
| NEMA Design | B | |
| Frame Material | Cast Aluminum | |
| Ingress Protection | 55 | |
| Tropicalization | true | |
| Cable Entry | 1-NPT 1/2" | |
| Feet Removable | true | |
| Double Drilled | - | |
| Paint Color | Graphite Gray | |
| Paint RAL | 7024 | |
| Weight lb | 15.5 | |
| | | |
| MECHANICAL DATA | | |
| DE Bearing | 6204ZZ | |
| NDE Bearing | 6204ZZ | |
| dB No-Load | - | |
| Rotor Wk ² , Lb-Ft ² | - | |
| Comp Ring (wavy washer) | NDE | |
| | | |
| TORQUE VALUES | | % FLT |
| Locked Rotor Torque | 2.36979 | 315.0 |
| Pull-Up Torque | 2.28703 | 304.0 |
| Breakdown Torque | 2.85879 | 380.0 |
| Full Load Torque | 0.752313 | 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.



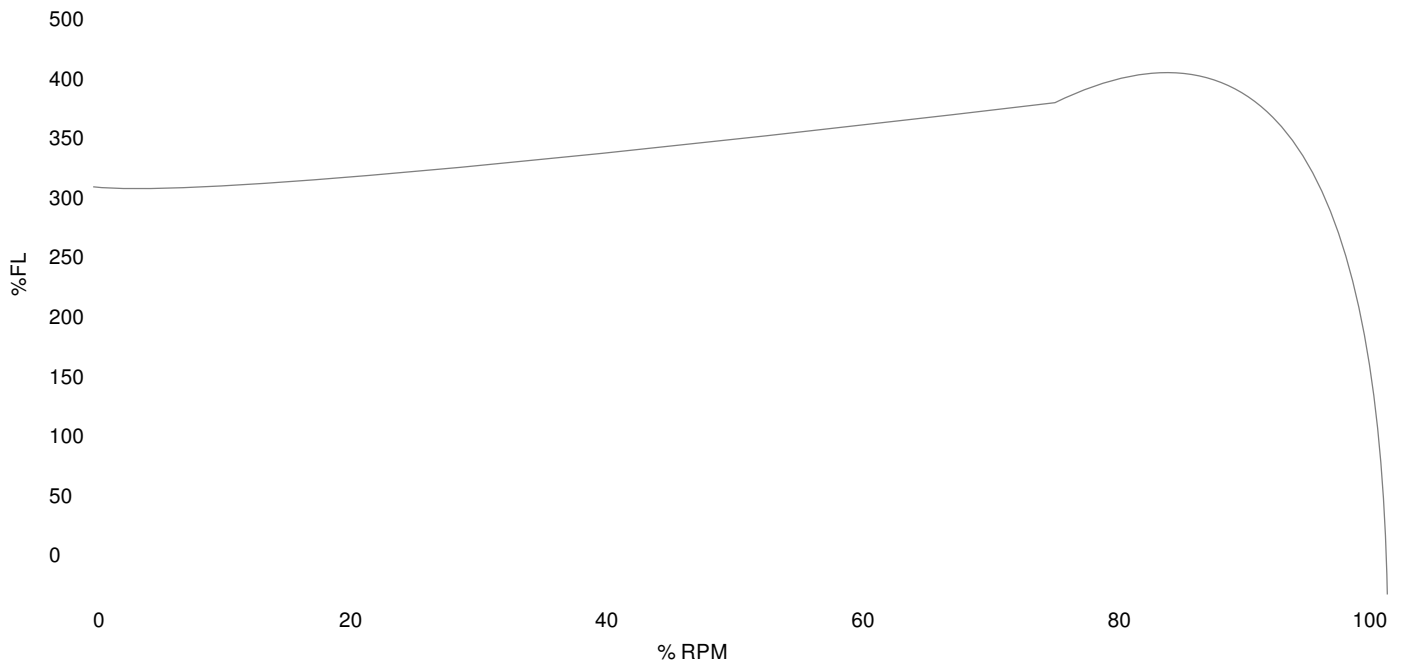
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Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

| Torque Values | Torque lb-ft | % FLT | Performance Values |
|---------------------|--------------|-------|----------------------|
| Locked Rotor Torque | 2.36979 | 315.0 | Start Configuration |
| Pull-Up Torque | 2.28703 | 304.0 | Starting Current (A) |
| Breakdown Torque | 2.85879 | 380.0 | No-Load Current (A) |
| Full Load | 0.752313 | 100.0 | No-Load Power Factor |

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF |
|--------|------------|---------------|------------------------|------------|------------|----|
| 0 | - | 0.63 | - | - | - | - |
| 25 | 0.125 | - | - | - | - | - |
| 50 | 0.25 | - | - | - | - | - |
| 75 | 0.375 | - | - | - | - | - |
| 100 | 0.5 | - | - | - | - | - |
| 125 | 0.625 | - | - | - | - | - |

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