



NEMA Premium

NEMA

| | |
|----------------------|------------------------|
| MOTOR MODEL: | GR3-RS-OP-145T-4-B-D-2 |
| FACTORY TYPE: | - |

NEMA Rolled Steel, ODP

| ELECTRICAL DATA | | |
|--|--------------|---------|
| | 60 Hz | 50 Hz |
| Horsepower | 2.0 | - |
| Speed, RPM | 1740 | 1420 |
| Voltage | 230/460 | 190/380 |
| # Phase | 3 | |
| Full Load Amps | 5.48/2.74 | - |
| Power Factor | 0.79 | - |
| Nominal Efficiency | 86.5 | - |
| 3/4 Load Efficiency | - | - |
| Service Factor | 1.25 | 1.0 |
| KVA Code | L | H |
| FL Amps. @ 208 V | 5.85 | - |
| LRC @ 60Hz HV | - | - |
| Start Capacitor | - | |
| Start Capacitor V | - | |
| Run Capacitor | - | |
| Run Capacitor V | - | |
| Number of Leads | 9 | |
| Connection | YY/Y | |
| Coil Resistance | 2.98 | |
| Date Code | - | |
| | | |
| | | |
| Load | Efficiency % | P.F. |
| 50% | 85.3 | 0.5978 |
| 75% | 87.18 | 0.7282 |
| 100% | 87.24 | 0.8011 |
| | | |
| FULL LOAD TEMPERATURE RISE | | |
| FL Temp Rise °C | 43.0 | 63.0 |
| | | |
| 3D Image Link | | |
| GR3-RS-OP-145T-4-B-D-2 | | |

| GENERAL DATA | | |
|--|---------------|-------|
| Frame Size | 145T | |
| Frame Enclosure | ODP | |
| Mounting | Rigid | |
| Insulation Class | F | |
| Duty | Cont. / S1 | |
| NEMA Design | - | |
| Frame Material | Rolled Steel | |
| Ingress Protection | 23 | |
| Tropicalization | true | |
| Cable Entry | 1-NPT 3/4" | |
| Feet Removable | - | |
| Double Drilled | - | |
| Paint Color | Graphite Gray | |
| Paint RAL | 7024 | |
| Weight lb | - | |
| | | |
| MECHANICAL DATA | | |
| DE Bearing | 6205ZZ | |
| NDE Bearing | 6203ZZ | |
| dB No-Load | - | |
| Rotor Wk ² , Lb-Ft ² | - | |
| Comp Ring (wavey washer) | NDE | |
| | | |
| TORQUE VALUES | | |
| | Torque lb-ft | % FLT |
| Locked Rotor Torque | 19.71 | 325.0 |
| Pull-Up Torque | 17.58 | 290.0 |
| Breakdown Torque | 24.24 | 400.0 |
| Full Load Torque | 6.06 | 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.



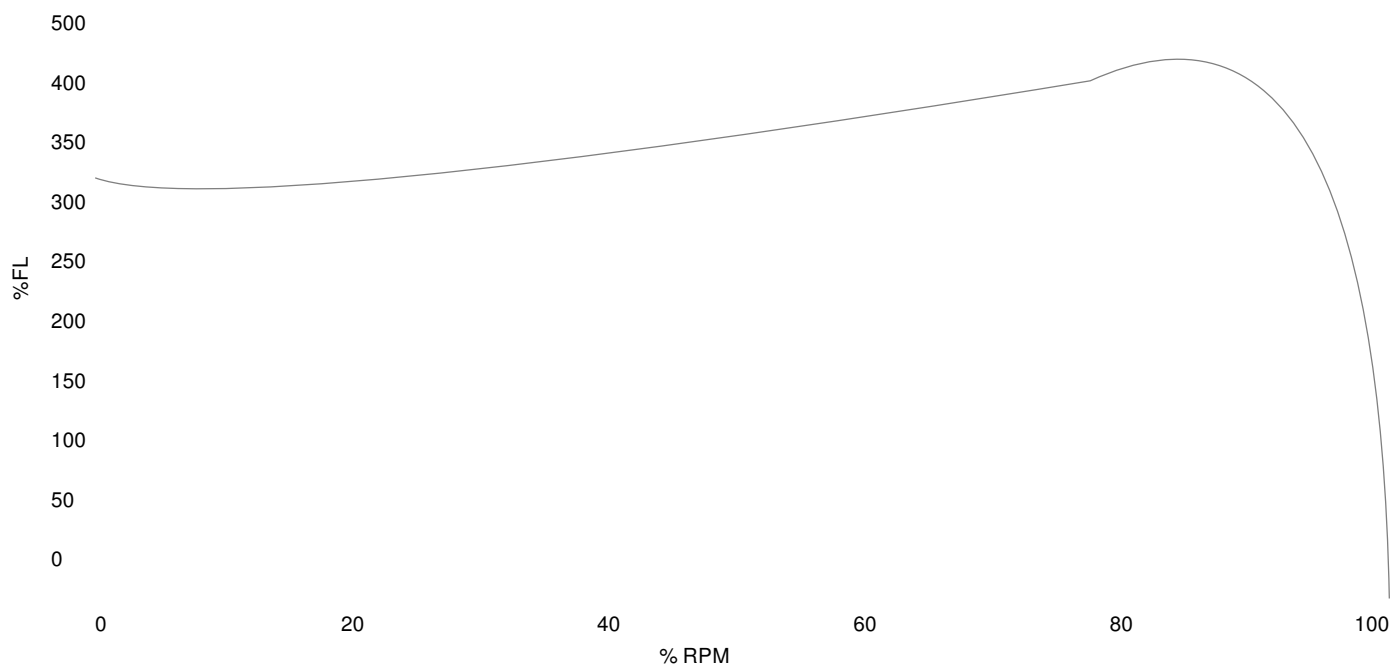
NEMA Premium

NEMA

| | |
|----------------------|------------------------|
| MOTOR MODEL: | GR3-RS-OP-145T-4-B-D-2 |
| FACTORY TYPE: | - |

NEMA Rolled Steel, ODP

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

| Torque Values | Torque lb-ft | % FLT | Performance Values |
|---------------------|--------------|-------|----------------------|
| Locked Rotor Torque | 19.71 | 325.0 | Start Configuration |
| Pull-Up Torque | 17.58 | 290.0 | Starting Current (A) |
| Breakdown Torque | 24.24 | 400.0 | No-Load Current (A) |
| Full Load | 6.06 | 100.0 | No-Load Power Factor |

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF |
|--------|------------|---------------|------------------------|------------|------------|--------|
| 0 | - | - | - | - | - | - |
| 25 | - | - | - | - | - | - |
| 50 | - | - | - | - | 85.3 | 0.5978 |
| 75 | - | - | - | - | 87.18 | 0.7282 |
| 100 | - | - | - | - | 87.24 | 0.8011 |
| 125 | - | - | - | - | - | - |

Techtop Industries
 2815 Colonnades Court
 Peachtree Corners, GA 30071
 Tel: 678-436-5540
 E-Mail: info@techttopind.com