



NEMA Premium

NEMA

| | |
|----------------------|------------------------|
| MOTOR MODEL: | GR3-RS-OP-182T-4-B-D-3 |
| FACTORY TYPE: | - |

NEMA Rolled Steel, ODP

| ELECTRICAL DATA | | |
|--|--------------|---------|
| | 60 Hz | 50 Hz |
| Horsepower | 3.0 | - |
| Speed, RPM | 1755 | 1440 |
| Voltage | 230/460 | 190/380 |
| # Phase | 3 | |
| Full Load Amps | 7.66/3.83 | - |
| Power Factor | 0.82 | - |
| Nominal Efficiency | 89.5 | - |
| 3/4 Load Efficiency | - | - |
| Service Factor | 1.25 | 1.0 |
| KVA Code | K | H |
| FL Amps. @ 208 V | 8.35 | - |
| Locked Rotor Current | - | - |
| Start Capacitor | - | |
| Start Capacitor V | - | |
| Run Capacitor | - | |
| Run Capacitor V | - | |
| Number of Leads | 9 | |
| Connection | YY/Y | |
| Coil Resistance | 1.91 | |
| | | |
| Load | Efficiency % | P.F. |
| 50% | 88.57 | 0.6676 |
| 75% | 89.77 | 0.78 |
| 100% | 89.55 | 0.8334 |
| | | |
| FULL LOAD TEMPERATURE RISE | | |
| FL Temp Rise °C | 30.0 | 43.0 |
| | | |
| 3D Image Link | | |
| GR3-RS-OP-182T-4-B-D-3 | | |

| GENERAL DATA | | | |
|--|---------------|--------------|-------|
| Frame Size | 182T | | |
| 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 | 6206ZZ | | |
| NDE Bearing | 6205ZZ | | |
| dB No-Load | - | | |
| Rotor Wk ² , Lb-Ft ² | - | | |
| Comp Ring (wavy washer) | NDE | | |
| | | | |
| TORQUE VALUES | | Torque lb-ft | % FLT |
| Locked Rotor Torque | 21.09 | 235.0 | |
| Pull-Up Torque | 15.21 | 170.0 | |
| Breakdown Torque | 30.02 | 335.0 | |
| Full Load Torque | 8.96 | 100.0 | |
| | | | |
| SITE CONDITIONS | | | |
| Ambient Temp °C | - | | |
| Altitude Above Sea Level m | | | |



NEMA Premium

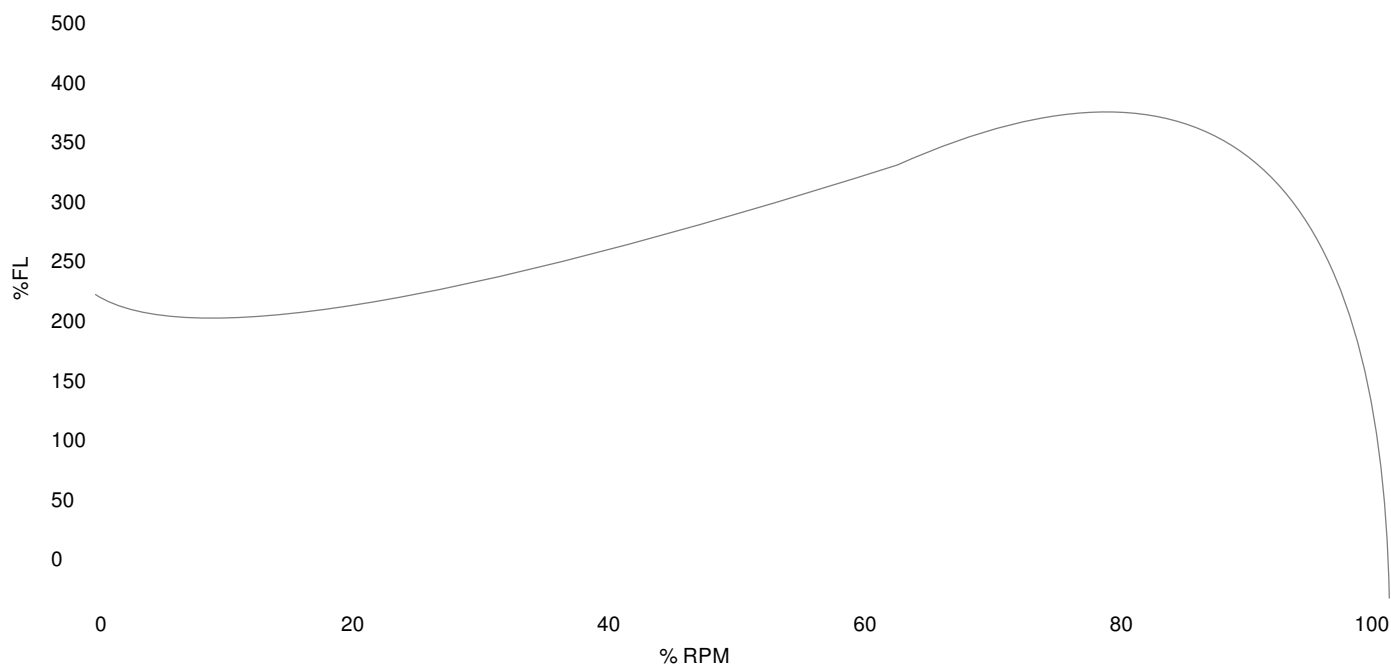
| | |
|----------------------|------------------------|
| MOTOR MODEL: | GR3-RS-OP-182T-4-B-D-3 |
| FACTORY TYPE: | - |

NEMA

NEMA Rolled Steel, ODP

Non Sinusoidal (VFD) Output 3.0HP, 1755 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

| Torque Values | Torque lb-ft | % FLT | Performance Values |
|---------------------|--------------|-------|----------------------|
| Locked Rotor Torque | 21.09 | 235.0 | Start Configuration |
| Pull-Up Torque | 15.21 | 170.0 | Starting Current (A) |
| Breakdown Torque | 30.02 | 335.0 | No-Load Current (A) |
| Full Load | 8.96 | 100.0 | No-Load Power Factor |

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF |
|--------|------------|---------------|------------------------|------------|------------|--------|
| 0 | - | - | - | - | - | - |
| 25 | - | - | - | - | - | - |
| 50 | - | - | - | - | 88.57 | 0.6676 |
| 75 | - | - | - | - | 89.77 | 0.78 |
| 100 | - | - | - | - | 89.55 | 0.8334 |
| 125 | - | - | - | - | - | - |

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