NEMA Premium

# NEMA

| MOTOR MODEL: | GR3-RS-OP-145TC-2-B-D-3 |
|---|---|
| FACTORY TYPE: | - |

## NEMA Rolled Steel, ODP

| ELECTRICAL DATA | | |
|---|---|---|
| | 60 Hz | 50 Hz |
| Horsepower | 3.0 | - |
| Speed, RPM | 3500 | 2860 |
| Voltage | 230/460 | 190/380 |
| # Phase | 3 | |
| Full Load Amps | 7.56/3.78 | - |
| Power Factor | 0.86 | - |
| Nominal Efficiency | 86.5 | - |
| 3/4 Load Efficiency | - | - |
| Service Factor | 1.25 | 1.0 |
| KVA Code | K | G |
| FL Amps. @ 208 V | 8.19 | - |
| LRC @ 60Hz HV | - | - |
| Start Capacitor | - | |
| Start Capacitor V | - | |
| Run Capacitor | - | |
| Run Capacitor V | - | |
| Number of Leads | 9 | |
| Connection | YY/Y | |
| Coil Resistance | 2.51 | |
| Date Code | - | |

| Load | Efficiency % | P.F. |
|---|---|---|
| 50% | 86.75 | 0.7083 |
| 75% | 87.95 | 0.8174 |
| 100% | 87.55 | 0.8658 |

| FULL LOAD TEMPERATURE RISE | | |
|---|---|---|
| FL Temp Rise °C | 37.0 | 56.0 |

| 3D Image Link |
|---|
| Not available for this motor |

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

| GENERAL DATA | |
|---|---|
| Frame Size | 145TC |
| 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 Wk², Lb-Ft² | - |
| Comp Ring (wavey washer) | NDE |

| TORQUE VALUES | Torque lb-ft | % FLT |
|---|---|---|
| Locked Rotor Torque | 12.89 | 285.0 |
| Pull-Up Torque | 9.72 | 215.0 |
| Breakdown Torque | 16.73 | 370.0 |
| Full Load Torque | 4.52 | 100.0 |

| SITE CONDITIONS | |
|---|---|
| Ambient Temp °C | - |
| Altitude Above Sea Level m | |

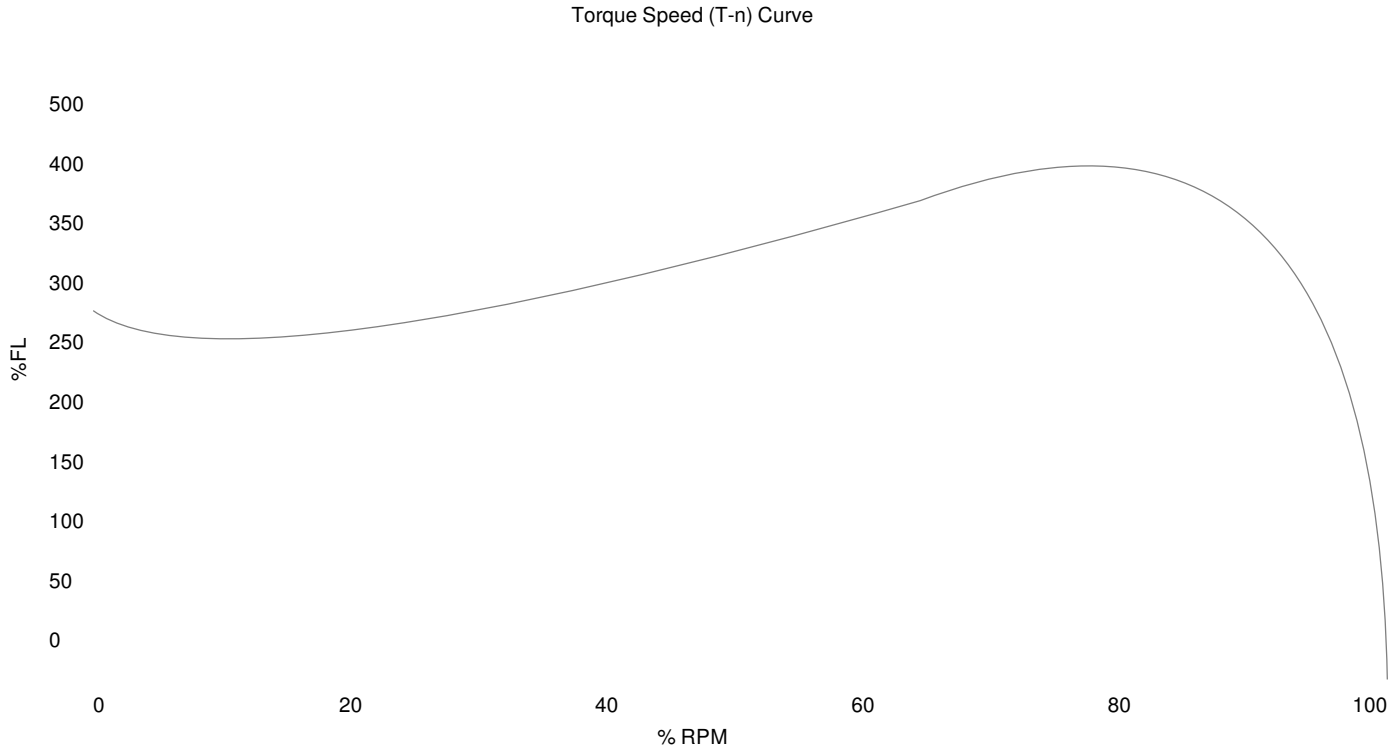
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2815 Colonnades Court
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| | |
|---|---|
| **MOTOR MODEL:** | GR3-RS-OP-145TC-2-B-D-3 |
| **FACTORY TYPE:** | - |

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## NEMA Rolled Steel,  ODP




Performance Load Values, High Voltage, 60Hz

| Torque Values | Torque lb-ft | % FLT | Performance Values | |
|---|---|---|---|---|
| Locked Rotor Torque | 12.89 | 285.0 | Start Configuration | - |
| Pull-Up Torque | 9.72 | 215.0 | Starting Current (A) | - |
| Breakdown Torque | 16.73 | 370.0 | No-Load Current (A) | - |
| Full Load | 4.52 | 100.0 | No-Load Power Factor | - |

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF |
|---|---|---|---|---|---|---|
| 0 | - | - | - | - | - | - |
| 25 | - | - | - | - | - | - |
| 50 | - | - | - | - | 86.75 | 0.7083 |
| 75 | - | - | - | - | 87.95 | 0.8174 |
| 100 | - | - | - | - | 87.55 | 0.8658 |
| 125 | - | - | - | - | - | - |

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