

# NEMA

|                      |                        |
|----------------------|------------------------|
| <b>MOTOR MODEL:</b>  | GR3-RS-OP-184T-4-B-D-5 |
| <b>FACTORY TYPE:</b> | -                      |

## NEMA Rolled Steel, ODP

| ELECTRICAL DATA                        |              |         |
|--|--------------|---------|
|  | 60 Hz        | 50 Hz   |
| Horsepower                             | 5.0          | -       |
| Speed, RPM                             | 1755         | 1440    |
| Voltage                                | 230/460      | 190/380 |
| # Phase                                | 3            |         |
| Full Load Amps                         | 12.5/6.25    | -       |
| Power Factor                           | 0.84         | -       |
| Nominal Efficiency                     | 89.5         | -       |
| 3/4 Load Efficiency                    | -            | -       |
| Service Factor                         | 1.25         | 1.0     |
| KVA Code                               | J            | G       |
| FL Amps. @ 208 V                       | 13.8         | -       |
| Locked Rotor Current                   | -            | -       |
| Start Capacitor                        | -            |         |
| Start Capacitor V                      | -            |         |
| Run Capacitor                          | -            |         |
| Run Capacitor V                        | -            |         |
| Number of Leads                        | 9            |         |
| Connection                             | YY/Y         |         |
| Coil Resistance                        | 1.28         |         |
| Date Code                              | -            |         |
|  |              |         |
|  |              |         |
|  |              |         |
|  |              |         |
| Load                                   | Efficiency % | P.F.    |
| 50%                                    | 90.56        | 0.6867  |
| 75%                                    | 90.83        | 0.7953  |
| 100%                                   | 89.98        | 0.8424  |
|  |              |         |
| FULL LOAD TEMPERATURE RISE             |              |         |
| FL Temp Rise °C                        | 48.0         | 81.0    |
|  |              |         |
| 3D Image Link                          |              |         |
| <a href="#">GR3-RS-OP-184T-4-B-D-5</a> |              |         |

| GENERAL DATA                               |               |              |       |
|--|---------------|--------------|-------|
| Frame Size                                 | 184T          |              |       |
| 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 <sup>2</sup> , Lb-Ft <sup>2</sup> | -             |              |       |
| Comp Ring (wavy washer)                    | NDE           |              |       |
|  |               |              |       |
|  |               |              |       |
| TORQUE VALUES                              |               | Torque lb-ft | % FLT |
| Locked Rotor Torque                        | 32.93         | 220.0        |       |
| Pull-Up Torque                             | 27.02         | 180.0        |       |
| Breakdown Torque                           | 46.66         | 310.0        |       |
| Full Load Torque                           | 15.0          | 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.



NEMA Premium

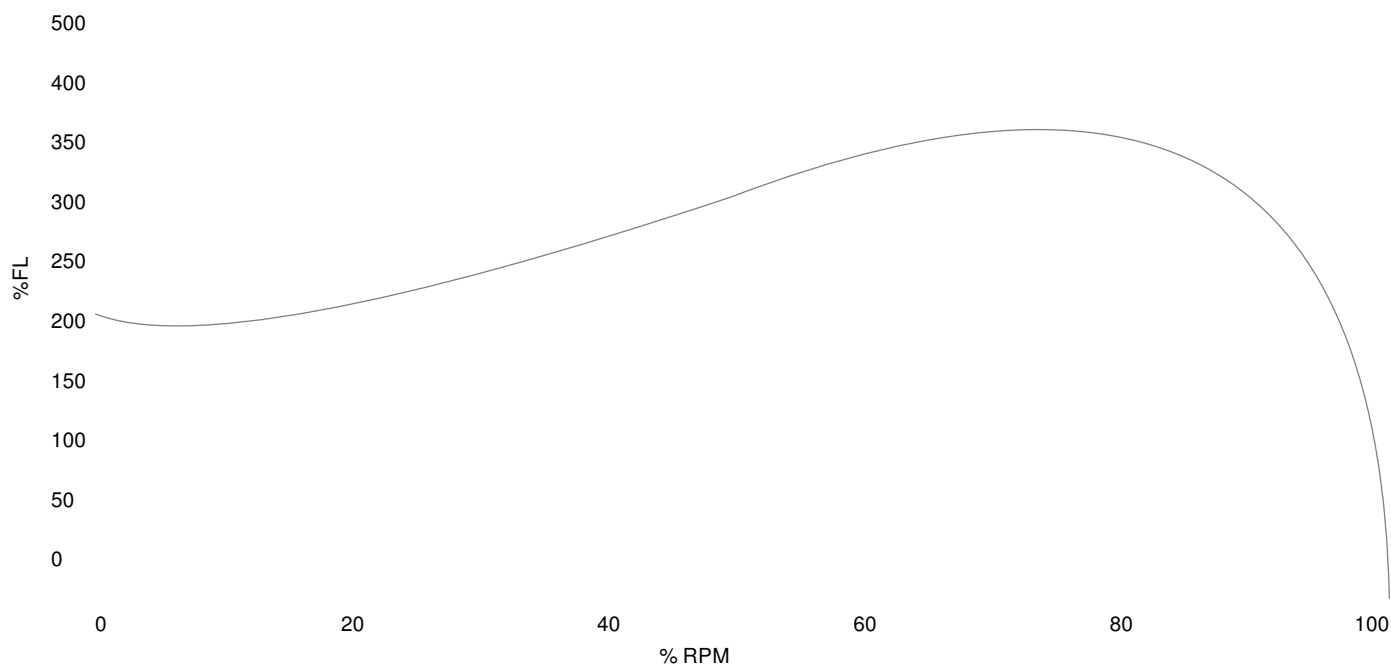
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**NEMA**

NEMA Rolled Steel, ODP

Non Sinusoidal (VFD) Output 5.0HP, 1755 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

| Torque Values       | Torque lb-ft | % FLT | Performance Values   |
|---------------------|--------------|-------|----------------------|
| Locked Rotor Torque | 32.93        | 220.0 | Start Configuration  |
| Pull-Up Torque      | 27.02        | 180.0 | Starting Current (A) |
| Breakdown Torque    | 46.66        | 310.0 | No-Load Current (A)  |
| Full Load           | 15.0         | 100.0 | No-Load Power Factor |

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF     |
|--------|------------|---------------|------------------------|------------|------------|--------|
| 0      | -          | -             | -                      | -          | -          | -      |
| 25     | -          | -             | -                      | -          | -          | -      |
| 50     | -          | -             | -                      | -          | 90.56      | 0.6867 |
| 75     | -          | -             | -                      | -          | 90.83      | 0.7953 |
| 100    | -          | -             | -                      | -          | 89.98      | 0.8424 |
| 125    | -          | -             | -                      | -          | -          | -      |

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