

# NEMA

|                      |                         |
|----------------------|-------------------------|
| <b>MOTOR MODEL:</b>  | GR3-AL-TF-184JP-4-B-D-5 |
| <b>FACTORY TYPE:</b> | TXA                     |

## Premium NEMA Cast Aluminum, TEFC

| ELECTRICAL DATA              |              |           |
|------------------------------|--------------|-----------|
|                              | 60 Hz        | 50 Hz     |
| Horsepower                   | 5.0          | 5.0       |
| Speed, RPM                   | 1750         | 1445      |
| Voltage                      | 230/460      | 190/380   |
| # Phase                      | 3            |           |
| Full Load Amps               | 12.4/6.18    | 14.5/7.25 |
| Power Factor                 | 0.84         | -         |
| Nominal Efficiency           | 89.5         | 88.4      |
| 3/4 Load Efficiency          | -            | -         |
| Service Factor               | 1.25         | 1.0       |
| KVA Code                     | L            | H         |
| FL Amps. @ 208 V             | 13.2         | -         |
| Locked Rotor Current         | 104.786      | -         |
| Start Capacitor              | -            |           |
| Start Capacitor V            | -            |           |
| Run Capacitor                | -            |           |
| Run Capacitor V              | -            |           |
| Number of Leads              | 9            |           |
| Connection                   | YY/Y         |           |
| Coil Resistance              | -            |           |
|                              |              |           |
| Load                         | Efficiency % | P.F.      |
| 50%                          | -            | -         |
| 75%                          | -            | -         |
| 100%                         | -            | -         |
|                              |              |           |
| FULL LOAD TEMPERATURE RISE   |              |           |
| FL Temp Rise °C              | 37.0         | 37.0      |
|                              |              |           |
| 3D Image Link                |              |           |
| Not available for this motor |              |           |

| GENERAL DATA                               |               |              |       |
|--|---------------|--------------|-------|
| Frame Size                                 | 184JP         |              |       |
| Frame Enclosure                            | TEFC          |              |       |
| Mounting                                   | Rigid         |              |       |
| Insulation Class                           | F             |              |       |
| Duty                                       | Cont. / S1    |              |       |
| NEMA Design                                | A             |              |       |
| Frame Material                             | Cast Aluminum |              |       |
| Ingress Protection                         | 55            |              |       |
| Tropicalization                            | true          |              |       |
| Cable Entry                                | 1-NPT 3/4"    |              |       |
| Feet Removable                             | true          |              |       |
| Double Drilled                             | -             |              |       |
| Paint Color                                | Graphite Gray |              |       |
| Paint RAL                                  | 7024          |              |       |
| Weight lb                                  | 73.5          |              |       |
|  |               |              |       |
| MECHANICAL DATA                            |               |              |       |
| DE Bearing                                 | 6306ZZ        |              |       |
| NDE Bearing                                | 6206ZZ        |              |       |
| 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                        |               | 43.6506      | 294.0 |
| Pull-Up Torque                             |               | -            | -     |
| Breakdown Torque                           |               | 20.0436      | 135.0 |
| Full Load Torque                           |               | 14.8471      | 100.0 |
|  |               |              |       |
| SITE CONDITIONS                            |               |              |       |
| Ambient Temp °C                            |               | 40           |       |
| Altitude Above Sea Level m                 |               | 1000         |       |



## Pump Motors

|                      |                         |
|----------------------|-------------------------|
| <b>MOTOR MODEL:</b>  | GR3-AL-TF-184JP-4-B-D-5 |
| <b>FACTORY TYPE:</b> | TXA                     |

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## Premium NEMA Cast Aluminum, TEFC

Non Sinusoidal (VFD) Output 5.0HP, 1750 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

| Torque Values       | Torque lb-ft | % FLT | Performance Values   |
|---------------------|--------------|-------|----------------------|
| Locked Rotor Torque | 43.6506      | 294.0 | Start Configuration  |
| Pull-Up Torque      | -            | -     | Starting Current (A) |
| Breakdown Torque    | 20.0436      | 135.0 | No-Load Current (A)  |
| Full Load           | 14.8471      | 100.0 | No-Load Power Factor |

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF |
|--------|------------|---------------|------------------------|------------|------------|----|
| 0      | -          | -             | -                      | -          | -          | -  |
| 25     | 1.25       | -             | -                      | -          | -          | -  |
| 50     | 2.5        | -             | -                      | -          | -          | -  |
| 75     | 3.75       | -             | -                      | -          | -          | -  |
| 100    | 5.0        | -             | -                      | -          | -          | -  |
| 125    | 6.25       | -             | -                      | -          | -          | -  |

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