



## Pump Motors

# NEMA

|                      |                         |
|----------------------|-------------------------|
| <b>MOTOR MODEL:</b>  | GR3-AL-TF-143JM-4-B-D-1 |
| <b>FACTORY TYPE:</b> | TXA                     |

### Premium NEMA Cast Aluminum, TEFC

| ELECTRICAL DATA              |              |           |
|------------------------------|--------------|-----------|
|                              | 60 Hz        | 50 Hz     |
| Horsepower                   | 1.0          | 1.0       |
| Speed, RPM                   | 1730         | 1425      |
| Voltage                      | 230/460      | 190/380   |
| # Phase                      | 3            |           |
| Full Load Amps               | 2.98/1.49    | 3.50/1.75 |
| Power Factor                 | 0.74         | -         |
| Nominal Efficiency           | 85.5         | 83.2      |
| 3/4 Load Efficiency          | -            | -         |
| Service Factor               | 1.25         | 1.0       |
| KVA Code                     | K            | G         |
| FL Amps. @ 208 V             | 3.1          | -         |
| LRC @ 60Hz HV                | -            | -         |
| Start Capacitor              | -            |           |
| Start Capacitor V            | -            |           |
| Run Capacitor                | -            |           |
| Run Capacitor V              | -            |           |
| Number of Leads              | 9            |           |
| Connection                   | YY/Y         |           |
| Coil Resistance              | -            |           |
| Date Code                    | -            |           |
|                              |              |           |
| Load                         | Efficiency % | P.F.      |
| 50%                          | -            | -         |
| 75%                          | -            | -         |
| 100%                         | -            | -         |
|                              |              |           |
| FULL LOAD TEMPERATURE RISE   |              |           |
| FL Temp Rise °C              | -            | 26.0      |
|                              |              |           |
| 3D Image Link                |              |           |
| Not available for this motor |              |           |

| GENERAL DATA                               |               |       |
|--|---------------|-------|
| Frame Size                                 | 143JM         |       |
| Frame Enclosure                            | TEFC          |       |
| Mounting                                   | Rigid         |       |
| Insulation Class                           | F             |       |
| Duty                                       | Cont. / S1    |       |
| NEMA Design                                | B             |       |
| 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                                  | 28.0          |       |
|  |               |       |
| MECHANICAL DATA                            |               |       |
| DE Bearing                                 | 6205ZZ        |       |
| NDE Bearing                                | 6205ZZ        |       |
| dB No-Load                                 | -             |       |
| Rotor Wk <sup>2</sup> , Lb-Ft <sup>2</sup> | -             |       |
| Comp Ring (wavey washer)                   | NDE           |       |
|  |               |       |
| TORQUE VALUES                              | Torque lb-ft  | % FLT |
| Locked Rotor Torque                        | -             | -     |
| Pull-Up Torque                             | -             | -     |
| Breakdown Torque                           | -             | -     |
| Full Load Torque                           | -             | 100.0 |
|  |               |       |
| SITE CONDITIONS                            |               |       |
| Ambient Temp °C                            | 40            |       |
| Altitude Above Sea Level m                 | 1000          |       |

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



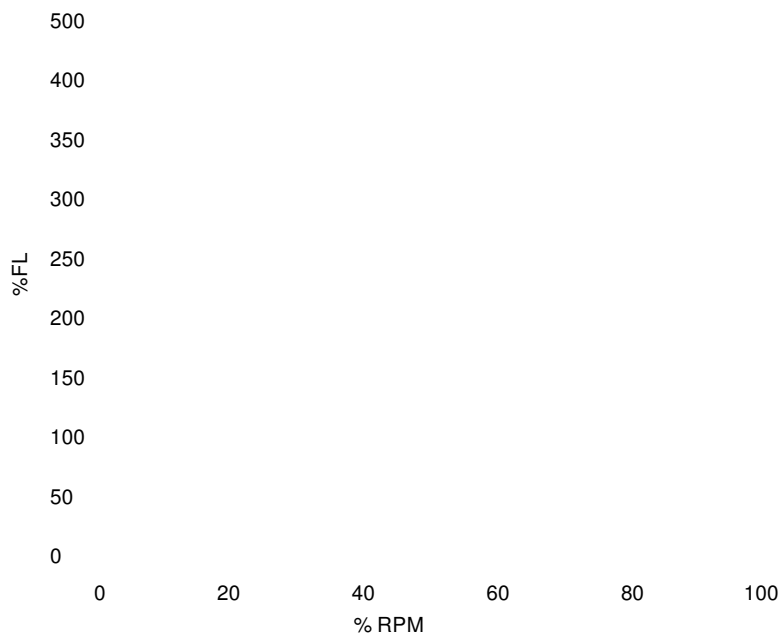
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### Premium NEMA Cast Aluminum, TEFC

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

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

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF |
|--------|------------|---------------|------------------------|------------|------------|----|
| 0      | -          | -             | -                      | -          | -          | -  |
| 25     | 0.25       | -             | -                      | -          | -          | -  |
| 50     | 0.5        | -             | -                      | -          | -          | -  |
| 75     | 0.75       | -             | -                      | -          | -          | -  |
| 100    | 1.0        | -             | -                      | -          | -          | -  |
| 125    | 1.25       | -             | -                      | -          | -          | -  |