

|                      |                        |
|----------------------|------------------------|
| <b>MOTOR MODEL:</b>  | GR3-AL-TF-145T-4-B-D-2 |
| <b>FACTORY TYPE:</b> | TXA                    |

**NEMA****Premium NEMA Cast Aluminum, TEFC**

| <b>ELECTRICAL DATA</b>                 |              |           |
|--|--------------|-----------|
|  | 60 Hz        | 50 Hz     |
| Horsepower                             | 2.0          | 2.0       |
| Speed, RPM                             | 1740         | 1425      |
| Voltage                                | 230/460      | 190/380   |
| # Phase                                | 3            |           |
| Full Load Amps                         | 5.58/2.79    | 6.64/3.32 |
| Power Factor                           | 0.78         | -         |
| Nominal Efficiency                     | 86.5         | 83.5      |
| 3/4 Load Efficiency                    | -            | -         |
| Service Factor                         | 1.25         | 1.0       |
| KVA Code                               | K            | G         |
| FL Amps. @ 208 V                       | 5.95         | -         |
| Locked Rotor Current                   | 43.4988      | -         |
| 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%                                   | -            | -         |
|  |              |           |
| <b>FULL LOAD TEMPERATURE RISE</b>      |              |           |
| FL Temp Rise °C                        | 33.5         | 27.0      |
|  |              |           |
| <b>3D Image Link</b>                   |              |           |
| <a href="#">GR3-AL-TF-145T-4-B-D-2</a> |              |           |

| <b>GENERAL DATA</b>                        |               |              |       |
|--|---------------|--------------|-------|
| Frame Size                                 | 145T          |              |       |
| 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                                  | 39.5          |              |       |
|  |               |              |       |
| <b>MECHANICAL DATA</b>                     |               |              |       |
| DE Bearing                                 | 6205ZZ        |              |       |
| NDE Bearing                                | 6205ZZ        |              |       |
| dB No-Load                                 | -             |              |       |
| Rotor Wk <sup>2</sup> , Lb-Ft <sup>2</sup> | -             |              |       |
| Comp Ring (wavey washer)                   | NDE           |              |       |
|  |               |              |       |
| <b>TORQUE VALUES</b>                       |               | Torque lb-ft | % FLT |
| Locked Rotor Torque                        |               | 18.3478      | 303.0 |
| Pull-Up Torque                             |               | 12.898       | 213.0 |
| Breakdown Torque                           |               | 19.68        | 325.0 |
| Full Load Torque                           |               | 6.05539      | 100.0 |
|  |               |              |       |
| <b>SITE CONDITIONS</b>                     |               |              |       |
| Ambient Temp °C                            |               | 40           |       |
| Altitude Above Sea Level m                 |               | 1000         |       |



NEMA Premium

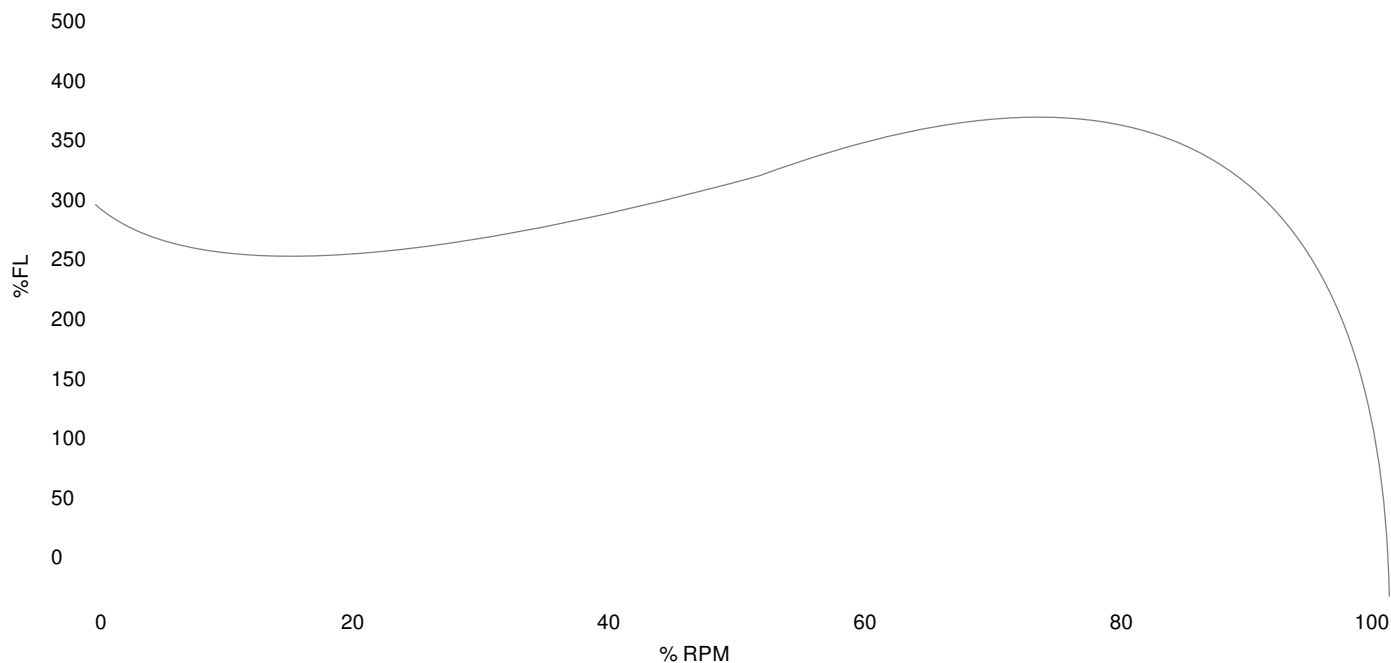
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| <b>FACTORY TYPE:</b> | TXA                    |

**NEMA**

Premium NEMA Cast Aluminum, TEFC

Non Sinusoidal (VFD) Output 2.0HP, 1740 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

| Torque Values       | Torque lb-ft | % FLT | Performance Values   |
|---------------------|--------------|-------|----------------------|
| Locked Rotor Torque | 18.3478      | 303.0 | Start Configuration  |
| Pull-Up Torque      | 12.898       | 213.0 | Starting Current (A) |
| Breakdown Torque    | 19.68        | 325.0 | No-Load Current (A)  |
| Full Load           | 6.05539      | 100.0 | No-Load Power Factor |

| % Load | Horsepower | Current, Amps | Input power, Kilowatts | Speed, RPM | Efficiency | PF |
|--------|------------|---------------|------------------------|------------|------------|----|
| 0      | -          | -             | -                      | -          | -          | -  |
| 25     | 0.5        | -             | -                      | -          | -          | -  |
| 50     | 1.0        | -             | -                      | -          | -          | -  |
| 75     | 1.5        | -             | -                      | -          | -          | -  |
| 100    | 2.0        | -             | -                      | -          | -          | -  |
| 125    | 2.5        | -             | -                      | -          | -          | -  |

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