



IE3

IEC

|                      |                          |
|----------------------|--------------------------|
| <b>MOTOR MODEL:</b>  | GR3-AL-TF-100LB3-4-B-D-4 |
| <b>FACTORY TYPE:</b> | TAX                      |

## IE3 IEC Cast Aluminum, TEFC

| ELECTRICAL DATA              |                     |             |
|------------------------------|---------------------|-------------|
|                              | 60 Hz               | 50 Hz       |
| Horsepower                   | 4.0                 | 4.0         |
| Speed, RPM                   | 1755                | 1445        |
| Voltage                      | 230/460             | 190/380     |
| # Phase                      | 3                   |             |
| Full Load Amps               | 10.6/5.32           | 12.5/6.25   |
| Power Factor                 | 0.79                | -           |
| Nominal Efficiency           | 89.5                | -           |
| 3/4 Load Efficiency          | -                   | -           |
| Service Factor               | 1.15                | 1.0         |
| KVA Code                     | L                   | J           |
| FL Amps. @ 208 V             | 11.1                | -           |
| Locked Rotor Current         | -                   | -           |
| Start Capacitor              | -                   |             |
| Start Capacitor V            | -                   |             |
| Run Capacitor                | -                   |             |
| Run Capacitor V              | -                   |             |
| Number of Leads              | 9                   |             |
| Connection                   | YY/Y                |             |
| Coil Resistance              | -                   |             |
|                              |                     |             |
| <b>Load</b>                  | <b>Efficiency %</b> | <b>P.F.</b> |
| 50%                          | -                   | -           |
| 75%                          | -                   | -           |
| 100%                         | -                   | -           |
|                              |                     |             |
| FULL LOAD TEMPERATURE RISE   |                     |             |
| FL Temp Rise °C              | -                   | -           |
|                              |                     |             |
| 3D Image Link                |                     |             |
| Not available for this motor |                     |             |

| GENERAL DATA                               |                     |              |
|--|---------------------|--------------|
| Frame Size                                 | 100L                |              |
| Frame Enclosure                            | TEFC                |              |
| Mounting                                   | B3                  |              |
| Insulation Class                           | F                   |              |
| Duty                                       | Cont. / S1          |              |
| NEMA Design                                | -                   |              |
| Frame Material                             | Cast Aluminum       |              |
| Ingress Protection                         | 55                  |              |
| Tropicalization                            | true                |              |
| Cable Entry                                | 1-M20X1.5           |              |
| Feet Removable                             | true                |              |
| Double Drilled                             | -                   |              |
| Paint Color                                | Graphite Gray       |              |
| Paint RAL                                  | 7024                |              |
| Weight lb                                  | 63.0                |              |
|  |                     |              |
| MECHANICAL DATA                            |                     |              |
| DE Bearing                                 | 6206ZZ              |              |
| NDE Bearing                                | 6206ZZ              |              |
| dB No-Load                                 | -                   |              |
| Rotor Wk <sup>2</sup> , Lb-Ft <sup>2</sup> | -                   |              |
| Comp Ring (wavy washer)                    | NDE                 |              |
|  |                     |              |
| TORQUE VALUES                              |                     |              |
|  | <b>Torque lb-ft</b> | <b>% FLT</b> |
| Locked Rotor Torque                        | -                   | -            |
| Pull-Up Torque                             | -                   | -            |
| Breakdown Torque                           | -                   | -            |
| Full Load Torque                           | -                   | -            |
|  |                     |              |
| SITE CONDITIONS                            |                     |              |
| Ambient Temp °C                            | 40                  |              |
| Altitude Above Sea Level m                 | 1000                |              |



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Non Sinusoidal (VFD) Output 4.0HP, 1755 RPM

Torque Speed (T-n) Curve



Performance Load Values, High Voltage, 60Hz

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

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