



IE3

IEC

|                      |                             |
|----------------------|-----------------------------|
| <b>MOTOR MODEL:</b>  | GR3-CI-TF-160LB35-2-BR-D-25 |
| <b>FACTORY TYPE:</b> | TCX                         |

## IE3 IEC Cast Iron, TEFC

| ELECTRICAL DATA                             |              |           |
|---|--------------|-----------|
|   | 60 Hz        | 50 Hz     |
| Horsepower                                  | 25.0         | 25.0      |
| Speed, RPM                                  | 3550         | 2930      |
| Voltage                                     | 230/460      | 190/380   |
| # Phase                                     | 3            |           |
| Full Load Amps                              | 57.8/28.9    | 68.4/34.2 |
| Power Factor                                | 0.89         | -         |
| Nominal Efficiency                          | 91.7         | -         |
| 3/4 Load Efficiency                         | -            | -         |
| Service Factor                              | 1.15         | 1.0       |
| KVA Code                                    | H            | F         |
| FL Amps. @ 208 V                            | 63.91        | -         |
| Locked Rotor Current                        | -            | -         |
| Start Capacitor                             | -            |           |
| Start Capacitor V                           | -            |           |
| Run Capacitor                               | -            |           |
| Run Capacitor V                             | -            |           |
| Number of Leads                             | 12           |           |
| Connection                                  | DD/D         |           |
| Coil Resistance                             | -            |           |
| Date Code                                   | -            |           |
| Load  | Efficiency % | P.F.      |
| 50%   | -            | -         |
| 75%   | -            | -         |
| 100%  | -            | -         |
| FULL LOAD TEMPERATURE RISE                  |              |           |
| FL Temp Rise °C                             | 60.0         | 75.0      |
| 3D Image Link                               |              |           |
| <a href="#">GR3-CI-TF-160LB35-2-BR-D-25</a> |              |           |

| GENERAL DATA                               |               |       |
|--|---------------|-------|
| Frame Size                                 | 160LB35       |       |
| Frame Enclosure                            | TEFC          |       |
| Mounting                                   | B35           |       |
| Insulation Class                           | F             |       |
| Duty                                       | Cont. / S1    |       |
| NEMA Design                                | -             |       |
| Frame Material                             | Cast Iron     |       |
| Ingress Protection                         | 55            |       |
| Tropicalization                            | true          |       |
| Cable Entry                                | 2-M32X1.5     |       |
| Feet Removable                             | true          |       |
| Double Drilled                             | -             |       |
| Paint Color                                | Graphite Gray |       |
| Paint RAL                                  | 7024          |       |
| Weight lb                                  | 353.0         |       |
| MECHANICAL DATA                            |               |       |
| DE Bearing                                 | 6309C3        |       |
| NDE Bearing                                | 6309C3        |       |
| dB No-Load                                 | -             |       |
| Rotor Wk <sup>2</sup> , Lb-Ft <sup>2</sup> | -             |       |
| Comp Ring (wavy washer)                    | -             |       |
| TORQUE VALUES                              | Torque lb-ft  | % FLT |
| Locked Rotor Torque                        | -             | -     |
| Pull-Up Torque                             | -             | -     |
| Breakdown Torque                           | -             | -     |
| Full Load Torque                           | -             | -     |
| SITE CONDITIONS                            |               |       |
| Ambient Temp °C                            | 40            |       |
| Altitude Above Sea Level m                 | 1000          |       |

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

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IE3 IEC Cast Iron, TEFC

Non Sinusoidal (VFD) Output 25.0HP, 3550 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    | -          | -             | -                      | -          | -          | -  |