



IE3

IEC

|                      |                             |
|----------------------|-----------------------------|
| <b>MOTOR MODEL:</b>  | GR3-CI-TF-180MB34-4-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                   | 1770         | 1460      |
| Voltage                      | 230/460      | 190/380   |
| # Phase                      | 3            |           |
| Full Load Amps               | 59.2/29.6    | 70.4/35.2 |
| Power Factor                 | 0.85         | -         |
| Nominal Efficiency           | 93.6         | -         |
| 3/4 Load Efficiency          | -            | -         |
| Service Factor               | 1.15         | 1.0       |
| KVA Code                     | H            | F         |
| FL Amps. @ 208 V             | 65.46        | -         |
| 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              | 57.0         | 62.0      |
| 3D Image Link                |              |           |
| Not available for this motor |              |           |

| GENERAL DATA               |               |       |
|----------------------------|---------------|-------|
| Frame Size                 | 180MB34       |       |
| Frame Enclosure            | TEFC          |       |
| Mounting                   | B34           |       |
| 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                  | 406.0         |       |
| MECHANICAL DATA            |               |       |
| DE Bearing                 | 6311C3        |       |
| NDE Bearing                | 6311C3        |       |
| dB No-Load                 | -             |       |
| Rotor Wk², Lb-Ft²          | -             |       |
| Comp Ring (wavey 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 Techttop for more info.



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IE3 IEC Cast Iron, TEFC

Non Sinusoidal (VFD) Output 25.0HP, 1770 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    | -          | -             | -                      | -          | -          | -  |