



**Model Number** GR3-CI-TF-280MB3-4-BR-D-150-230|460-60

**MFG PN** T 280M2-4

**List Price** --

All data shown at HIGH voltage setting

Format | STD 3 Phase

| Electrical Data               |                              |         |              | General Data   |                      |
|-------------------------------|------------------------------|---------|--------------|--|----------------------|
| Rated Motor Output Power      | 150 HP                       |         |              | Frame Size   | 280                  |
| Rated Motor Speed             | 1785 r/min                   |         |              | Enclosure  | TEFC                 |
| Rated Motor Voltage (3 Phase) | 230 460-60 Volts - HZ        |         |              | Approximate Weight   | 1584                 |
| Rated Motor Current           | 323.9/161.9 Amps             |         |              | NEMA Design  | A                    |
| Service Factor                | 1.15                         |         |              | IP Rating  | 55                   |
| KVA Code                      | K                            |         |              | Insulation Class   | F                    |
| Nominal Efficiency            | 95.8 %                       |         |              | Tropicalization  | YES                  |
| Nominal Power Factor          | 0.89 cosθ                    |         |              | Duty   | Cont.                |
| Full Load Torque Ft-Lb        | 441.8224 Ft-Lb               |         |              | Cable Entry  | M50 X 1.5            |
| Temp Rise @ Full Load °C      | 71.7                         |         |              | Feet Removable   | YES                  |
| Efficiency Level              | IE3 - NEMA Premium           |         |              | Double Drilled   | NO                   |
| Load Data                     | RPM                          | Trq %FL | Current Amps | Rated Ambient (°C)   | 40                   |
| Locked Rotor                  | -                            | 310     | 1544         | Rated Altitude (M)   | 1000                 |
| Breakdown                     | -                            | 371     | -            | Coating  | 7024 - Graphite Grey |
| Pull Up                       | -                            | 426     | -            | Shaft Grounding  | NO                   |
| 125% of FL                    | 1784                         | -       | 203.29       | Brake Voltage (DC)   | --                   |
| 75% of FL                     | 1791                         | -       | 125.83       | Brake Torque (N-M)   | --                   |
| 50% of FL                     | 1794                         | -       | 91.81        | Mechanical Data  |                      |
| No Load                       | --                           | -       | 49.19        | Bearing DE Side  | 6316 C3              |
| Hazardous Location            | Class 1, Div 2, Grp A,B,C,D  |         |              | Bearing NDE Side   | 6316 C3              |
|                               |                              |         |              | Moment of Inertia  | -- kg.m2             |
|                               |                              |         |              | Noise Level  | Per NEMA dB (A)      |
| CT VFD Range                  |                              | --      |              | Loaded Torque Curves   |                      |
|                               |                              |         |              | P1 = INPUT POWER (KW), S = Slip (% of Sync RPM), η = Efficiency (%), cosφ = Power Factor |                      |
| Certifications                | UL                           | CSA     | DOE          |  |                      |
| File Numbers                  | 323353                       | 224693  | 096A         |  |                      |
| Wiring Diagram                | 3PH 12 Lead IEC Dual Voltage |         |              |  |                      |
|                               |                              |         |              |  |                      |

FRAME: 280MB3-4,6P | HP: | RPM: | PHASE: 3 | VOLT: | ENCL: TEFC | FREQ: 60 Hz | FLA: | LRA:

