



|              |                                        |
|--------------|----------------------------------------|
| Model Number | GR3-CI-TF-160LB35-2-BR-D-30-230 460-60 |
| MFG PN       | T 160L2-2                              |
| List Price   | --                                     |

All data shown at HIGH voltage setting

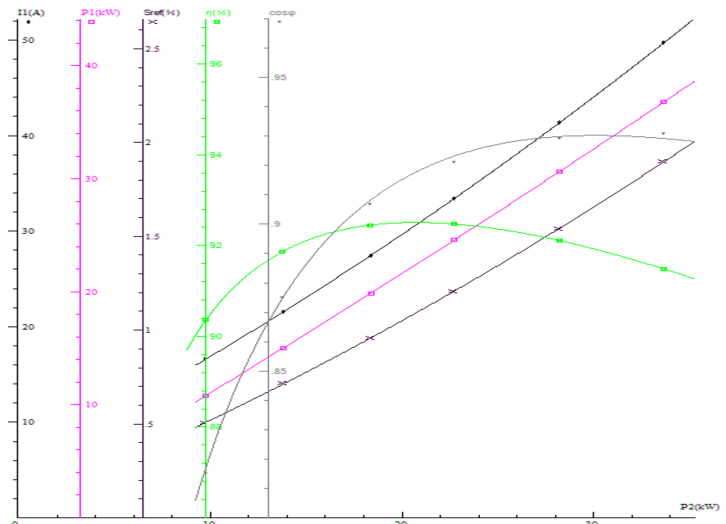
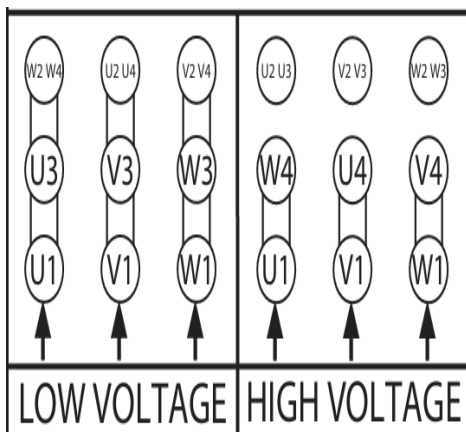
Format STD 3 Phase

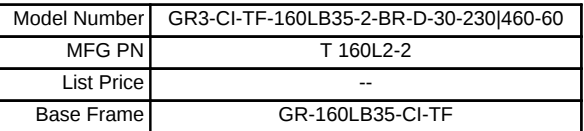
| Electrical Data               |                             |         |              | General Data       |                      |
|-------------------------------|-----------------------------|---------|--------------|--------------------|----------------------|
| Rated Motor Output Power      | 30 HP                       |         |              | Frame Size         | 160                  |
| Rated Motor Speed             | 3550 r/min                  |         |              | Enclosure          | TEFC                 |
| Rated Motor Voltage (3 Phase) | 230 460-60 Volts - HZ       |         |              | Approximate Weight | --                   |
| Rated Motor Current           | 66.9/33.5 Amps              |         |              | NEMA Design        | A                    |
| Service Factor                | 1.15                        |         |              | IP Rating          | 55                   |
| KVA Code                      | J                           |         |              | Insulation Class   | F                    |
| Nominal Efficiency            | 91.7 %                      |         |              | Tropicalization    | YES                  |
| Nominal Power Factor          | 0.9 cosθ                    |         |              | Duty               | Cont.                |
| Full Load Torque Ft-Lb        | 43.7028 Ft-Lb               |         |              | Cable Entry        | M32 X 1.5            |
| Temp Rise @ Full Load °C      | 67.5                        |         |              | 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     | 334.2        | Rated Altitude (M) | 1000                 |
| Breakdown                     | -                           | 398     | -            | Coating            | 7024 - Graphite Grey |
| Pull Up                       | -                           | 193     | -            | Shaft Grounding    | NO                   |
| 125% of FL                    | 3546                        | -       | 40.28        | Brake Voltage (DC) | --                   |
| 75% of FL                     | 3569                        | -       | 25           | Brake Torque (N-M) | --                   |
| 50% of FL                     | 3579                        | -       | 18           | Mechanical Data    |                      |
| No Load                       | 3591                        | -       | 9            | Bearing DE Side    | 6309 C3              |
| Hazardous Location            | Class 1, Div 2, Grp A,B,C,D |         |              | Bearing NDE Side   | 6309 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 |    |

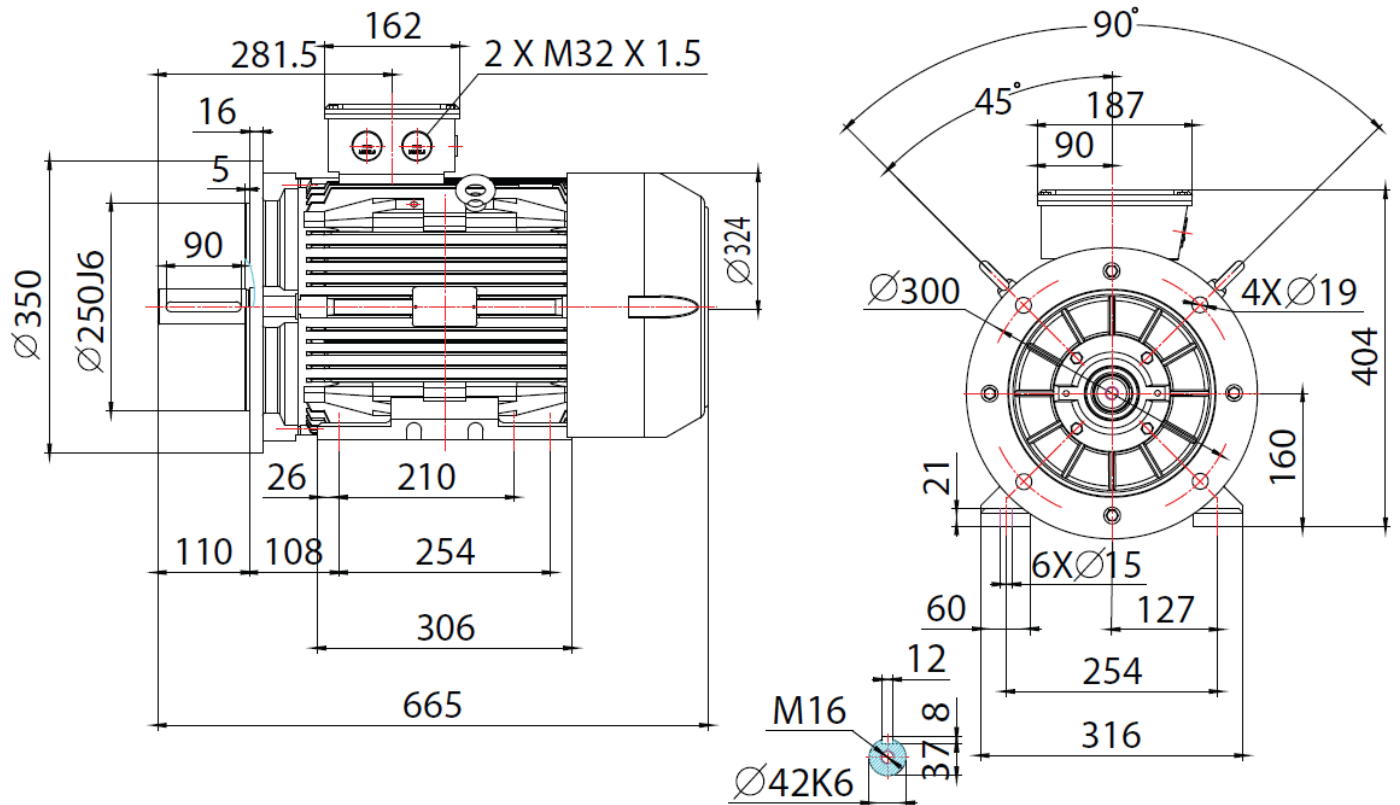
| Certifications | UL     | CSA    | DOE  |
|----------------|--------|--------|------|
| File Numbers   | 323353 | 224693 | 096A |

|                |                              |
|----------------|------------------------------|
| Wiring Diagram | 3PH 12 Lead IEC Dual Voltage |
|----------------|------------------------------|





|                    |     |      |          |       |            |             |      |      |
|--------------------|-----|------|----------|-------|------------|-------------|------|------|
| FRAME: 160LB35-CFC | HP: | RPM: | PHASE: 3 | VOLT: | ENCL: TEFC | FREQ: 60 Hz | FLA: | LRA: |
|--------------------|-----|------|----------|-------|------------|-------------|------|------|



| MODEL NUMBER:                        | REV. | BY | DATE | CHANGES |
|--------------------------------------|------|----|------|---------|
| GR3-CI-TF-160LB35-CFC<br><br>MFG PN: | 1    |    |      |         |
|                                      | 2    |    |      |         |
|                                      | 3    |    |      |         |
|                                      | 4    |    |      |         |
|                                      | 5    |    |      |         |
|                                      | 6    |    |      |         |
|                                      | 7    |    |      |         |

Techtop Industries -2815 Colonnades Court - Peachtree Corners, GA 30071 - Phone: (678) 436-5540