



Model Number GR3-AL-TF-71B34-2-B-D-.75-208-230|460-60

MFG PN T 712-2

List Price --

All data shown at HIGH voltage setting

Format STD 3 Phase

### Electrical Data

### General Data

|                               |                           |                    |           |
|-------------------------------|---------------------------|--------------------|-----------|
| Rated Motor Output Power      | 0.75 HP                   | Frame Size         | 71        |
| Rated Motor Speed             | 3470 r/min                | Enclosure          | TEFC      |
| Rated Motor Voltage (3 Phase) | 208-230 460-60 Volts - HZ | Approximate Weight | 16        |
| Rated Motor Current           | 2.46-2.24/1.12 Amps       | NEMA Design        | B         |
| Service Factor                | 1.15                      | IP Rating          | 55        |
| KVA Code                      | J                         | Insulation Class   | F         |
| Nominal Efficiency            | 77 %                      | Tropicalization    | YES       |
| Nominal Power Factor          | 0.8 cosθ                  | Duty               | cont      |
| Full Load Torque Ft-Lb        | 1.1064 Ft-Lb              | Cable Entry        | M20 X 1.5 |
| Temp Rise @ Full Load °C      | 28.3                      | Feet Removable     | YES       |
| Efficiency Level              | IE3 - NEMA Premium        | Double Drilled     | NO        |

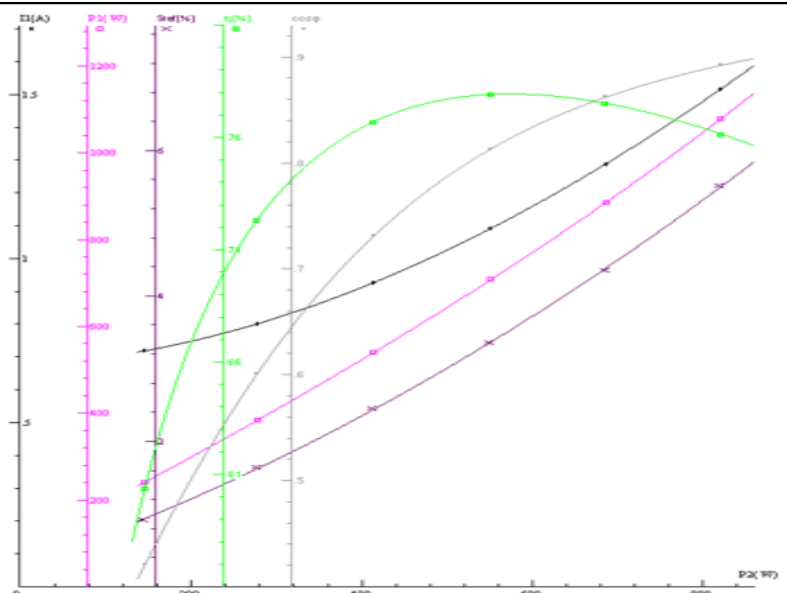
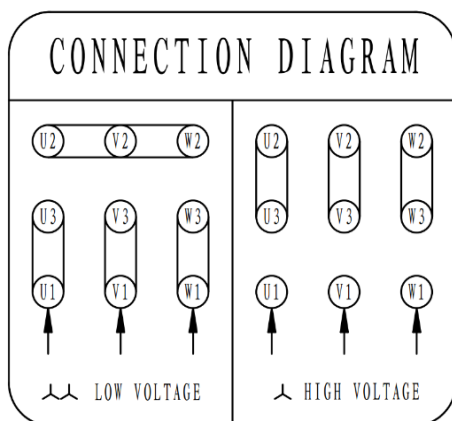
| Load Data    | RPM  | Trq %FL | Current Amps | Rated Ambient (°C)     | 40                   |
|--------------|------|---------|--------------|------------------------|----------------------|
| Locked Rotor | -    | 315     | 8.6          | Rated Altitude (M)     | 1000                 |
| Breakdown    | -    | 344     | -            | Coating                | 7024 - Graphite Grey |
| Pull Up      | -    | 243     | -            | Shaft Grounding        | NO                   |
| 125% of FL   | 3474 | -       | 1.37         | Brake Voltage (DC)     | --                   |
| 75% of FL    | 3529 | -       | 1.05         | Brake Torque (N-M)     | --                   |
| 50% of FL    | 3552 | -       | 0.94         | <b>Mechanical Data</b> |                      |
| No Load      | --   | -       | 0.88         |                        |                      |

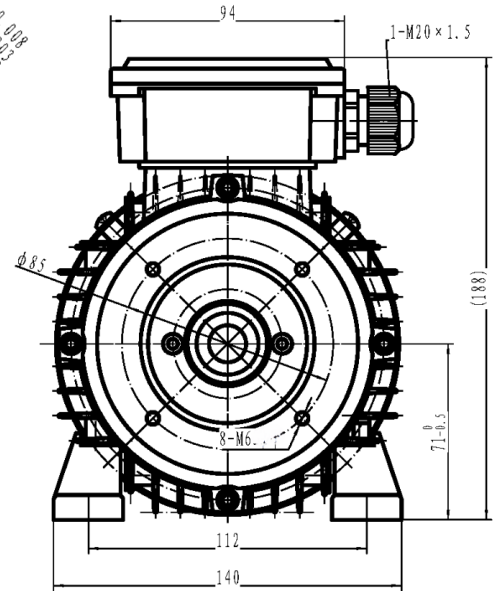
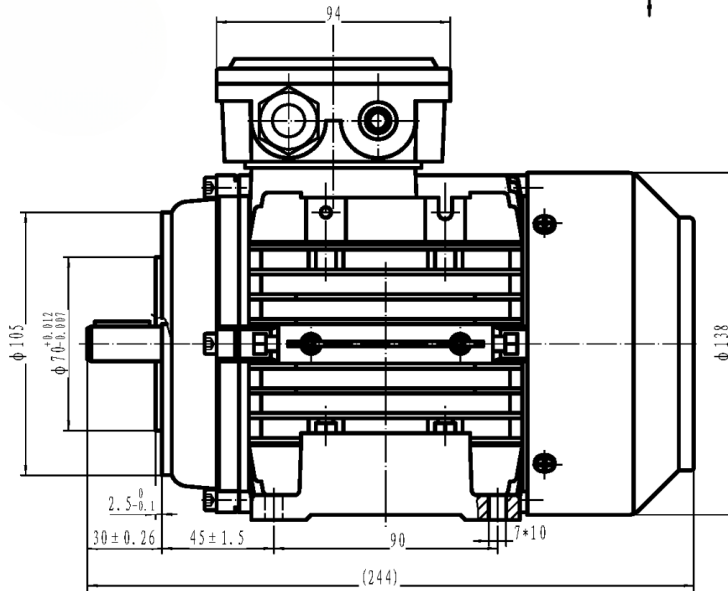
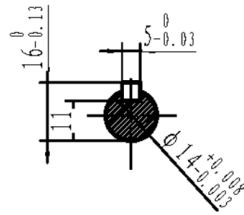
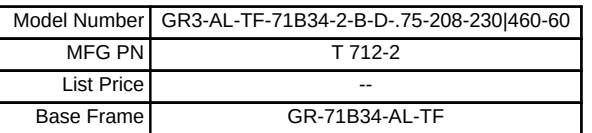
|                    |                             |  |  |                   |                 |
|--------------------|-----------------------------|--|--|-------------------|-----------------|
| Hazardous Location | Class 1, Div 2, Grp A,B,C,D |  |  | Bearing DE Side   | 6202ZZ          |
|                    |                             |  |  | Bearing NDE Side  | 6202ZZ          |
|                    |                             |  |  | 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 9 Lead IEC Dual Voltage |
|----------------|-----------------------------|





|                  |                 |                    |         |
|------------------|-----------------|--------------------|---------|
| MODEL NUMBER     | GR3-71B34-AL-TF | ISSUE DATE:        | 04/2025 |
| DIMENSIONS       | in              |                    |         |
| CASTING MATERIAL | ALUMINUM        | WWW.TECHTOPIND.COM |         |

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