



Model Number GR3-AL-TF-56J-2-B-D-1.5-230|460-60

MFG PN T56 1.5U2B

List Price --

All data shown at HIGH voltage setting

Format STD 3 Phase

| Electrical Data               |                       | General Data       |      |
|-------------------------------|-----------------------|--------------------|------|
| Rated Motor Output Power      | 1.5 HP                | Frame Size         | 56   |
| Rated Motor Speed             | 3500 r/min            | Enclosure          | TEFC |
| Rated Motor Voltage (3 Phase) | 230 460-60 Volts - HZ | Approximate Weight | 24   |
| Rated Motor Current           | 3.90/1.95 Amps        | NEMA Design        | B    |
| Service Factor                | 1.25                  | IP Rating          | 55   |
| KVA Code                      | M                     | Insulation Class   | F    |
| Nominal Efficiency            | 84 %                  | Tropicalization    | YES  |
| Nominal Power Factor          | 0.84 cosθ             | Duty               | cont |
| Full Load Torque Ft-Lb        | 2.432 Ft-Lb           | Cable Entry        | 1.25 |
| Temp Rise @ Full Load °C      | 40.5                  | Feet Removable     | YES  |
| Efficiency Level              | IE3 - NEMA Premium    | Double Drilled     | NO   |

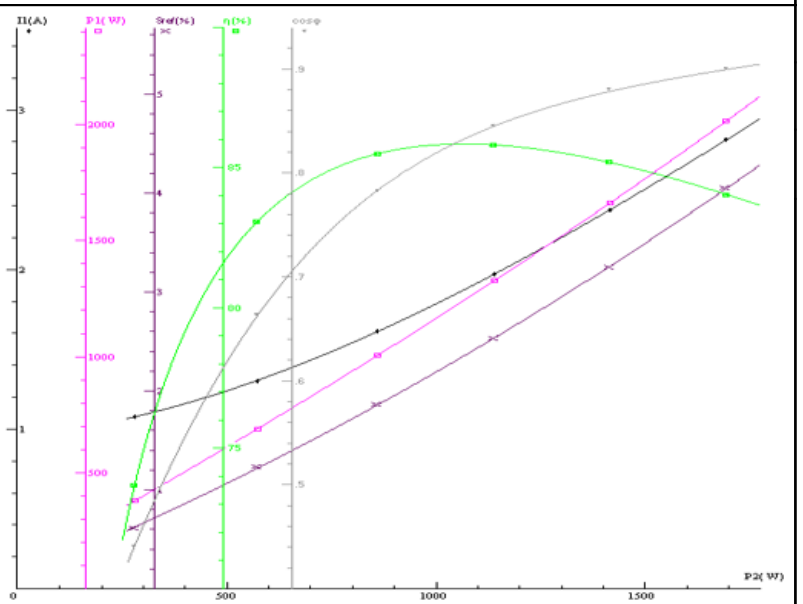
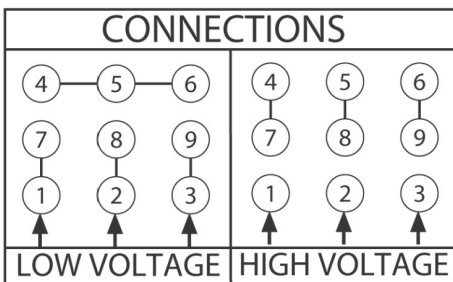
| Load Data    | RPM  | Trq %FL | Current Amps | Rated Ambient (°C)   |  |
|--------------|------|---------|--------------|----------------------|--|
| Locked Rotor | -    | 316     | 19           | 40                   |  |
| Breakdown    | -    | 372     | -            | Rated Altitude (M)   |  |
| Pull Up      | -    | 269     | -            | 1000                 |  |
| 125% of FL   | 3483 | -       | 2.35         | Coating              |  |
| 75% of FL    | 3534 | -       | 1.59         | 7061 - Graphite Grey |  |
| 50% of FL    | 3557 | -       | 1.29         | Shaft Grounding      |  |
| No Load      | --   | -       | 0.99         | NO                   |  |
|              |      |         |              | Brake Voltage (DC)   |  |
|              |      |         |              | --                   |  |
|              |      |         |              | Brake Torque (N-M)   |  |
|              |      |         |              | --                   |  |

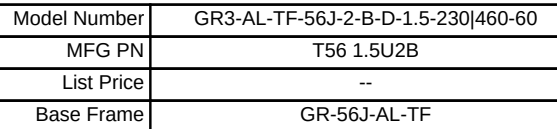
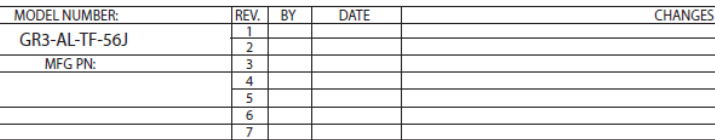
|                       |                             |                   |                 |
|-----------------------|-----------------------------|-------------------|-----------------|
| Hazardous<br>Location | Class 1, Div 2, Grp A,B,C,D | Bearing NDE Side  | 6204ZZ          |
|                       |                             | 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 Dual Voltage |        |      |

**3 Phase - YY/Y - 9 Lead**  
 4,1 Blue / 5,2 White / 6,3 Org / 7 Yl / 8 Blk / 9 RD  
 Cast Iron- 1,2,3 Top - 4,5,6,7,8,9 Bottom  
 Aluminum - 4,5,6,8,9 Top - 1,2,3,7 Bottom



[illegible]

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