



Model Number GR3-CI-TF-449T-4-BR-E-250-460-60

MFG PN T449T250U4B

List Price --

All data shown at HIGH voltage setting

Format STD 3 Phase

### Electrical Data

### General Data

|                               |                    |                    |       |
|-------------------------------|--------------------|--------------------|-------|
| Rated Motor Output Power      | 250 HP             | Frame Size         | 449   |
| Rated Motor Speed             | 1785 r/min         | Enclosure          | TEFC  |
| Rated Motor Voltage (3 Phase) | 460-60 Volts - HZ  | Approximate Weight | 2248  |
| Rated Motor Current           | 540/270 Amps       | NEMA Design        | A     |
| Service Factor                | 1.15               | IP Rating          | 55    |
| KVA Code                      | H                  | Insulation Class   | F     |
| Nominal Efficiency            | 96.2 %             | Tropicalization    | YES   |
| Nominal Power Factor          | 0.9 cosθ           | Duty               | Cont. |
| Full Load Torque Ft-Lb        | 735.025776 Ft-Lb   | Cable Entry        | 1.25  |
| Temp Rise @ Full Load °C      | 88.4               | Feet Removable     | YES   |
| Efficiency Level              | IE3 - NEMA Premium | Double Drilled     | NO    |

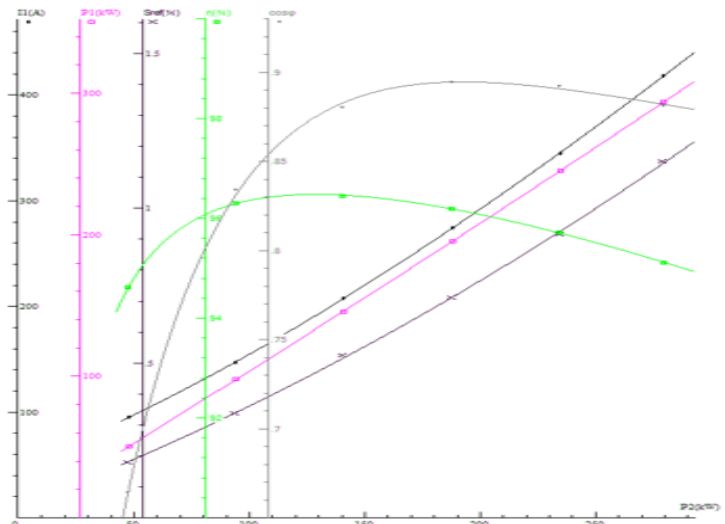
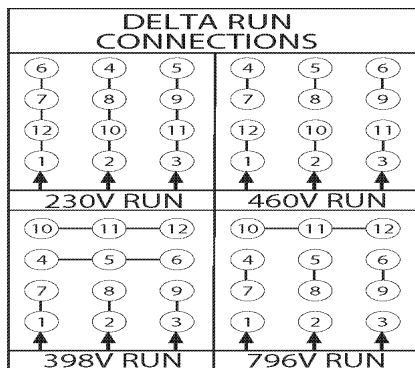
| Load Data    | RPM  | Trq %FL | Current Amps | Rated Ambient (°C)     | 40                   |
|--------------|------|---------|--------------|------------------------|----------------------|
| Locked Rotor | -    | 273     | 2170         | Rated Altitude (M)     | 1000                 |
| Breakdown    | -    | 322     | -            | Coating                | 7024 - Graphite Grey |
| Pull Up      | -    | 324     | -            | Shaft Grounding        | NO                   |
| 125% of FL   | 1779 | -       | 338.31       | Brake Voltage (DC)     | --                   |
| 75% of FL    | 1788 | -       | 202.07       | Brake Torque (N-M)     | --                   |
| 50% of FL    | 1792 | -       | 141.83       | <b>Mechanical Data</b> |                      |
| No Load      | --   | -       | 58.84        |                        |                      |

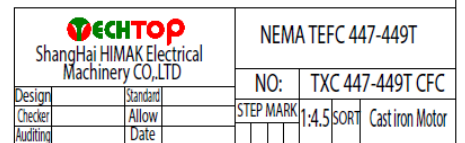
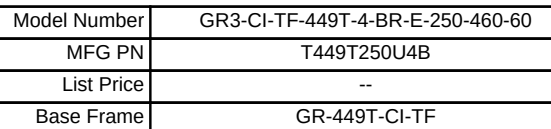
|                    |                             |  |  |                   |                 |
|--------------------|-----------------------------|--|--|-------------------|-----------------|
| Hazardous Location | Class 1, Div 2, Grp A,B,C,D |  |  | Bearing DE Side   | 6319 C3         |
|                    |                             |  |  | Bearing NDE Side  | 6319 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 Dual Voltage |
|----------------|--------------------------|





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