



Model Number GR3-CI-TF-182T-6-B-D-1.5-230|460-60

MFG PN TFC182T1.5U6B

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         | 182   |
| Rated Motor Speed             | 1175 r/min            | Enclosure          | TEFC  |
| Rated Motor Voltage (3 Phase) | 230 460-60 Volts - HZ | Approximate Weight | 103   |
| Rated Motor Current           | 4.8/2.4 Amps          | NEMA Design        | B     |
| Service Factor                | 1.25                  | IP Rating          | 55    |
| KVA Code                      | L                     | Insulation Class   | F     |
| Nominal Efficiency            | 87.5 %                | Tropicalization    | YES   |
| Nominal Power Factor          | 0.66 cosθ             | Duty               | Cont. |
| Full Load Torque Ft-Lb        | 6.616272 Ft-Lb        | Cable Entry        | 1.25  |
| Temp Rise @ Full Load °C      | 20.7                  | Feet Removable     | YES   |
| Efficiency Level              | IE3 - NEMA Premium    | Double Drilled     | NO    |

| Load Data    | RPM  | Trq %FL | Current Amps | Rated Ambient (°C)     | 40                   |
|--------------|------|---------|--------------|------------------------|----------------------|
| Locked Rotor | -    | 256     | 17.12        | Rated Altitude (M)     | 1000                 |
| Breakdown    | -    | 362     | -            | Coating                | 7024 - Graphite Grey |
| Pull Up      | -    | 196     | -            | Shaft Grounding        | NO                   |
| 125% of FL   | 1173 | -       | 2.7          | Brake Voltage (DC)     |                      |
| 75% of FL    | 1185 | -       | 2            | Brake Torque (N-M)     |                      |
| 50% of FL    | 1190 | -       | 1.83         | <b>Mechanical Data</b> |                      |
| No Load      | 1199 | -       | 1.62         |                        |                      |

|                    |                             |  |  |                   |                 |
|--------------------|-----------------------------|--|--|-------------------|-----------------|
| Hazardous Location | Class 1, Div 2, Grp A,B,C,D |  |  | Bearing DE Side   | 6306 ZZ         |
|                    |                             |  |  | Bearing NDE Side  | 6306 ZZ         |
|                    |                             |  |  | 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 |
|----------------|-------------------------|

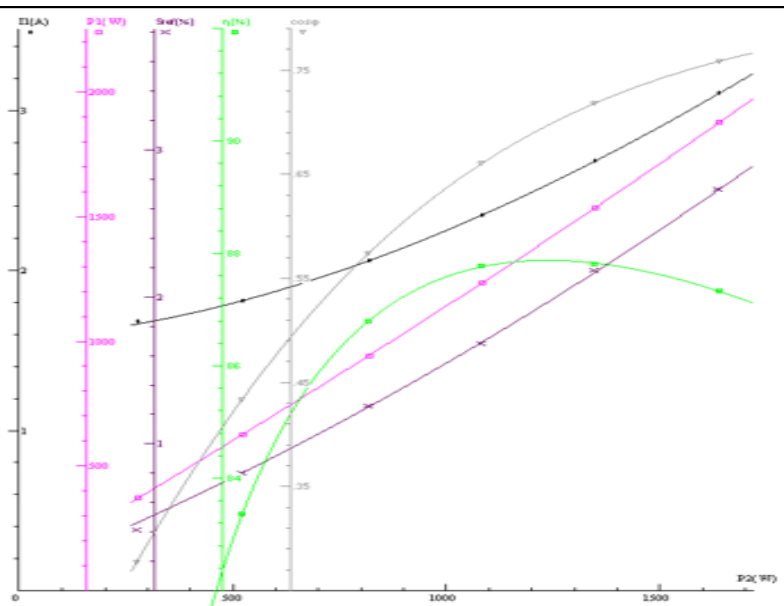
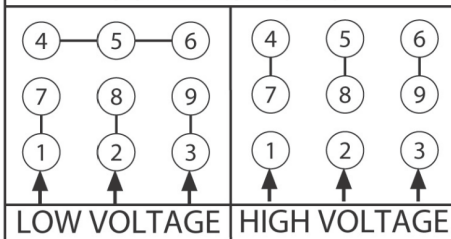
### 3 Phase - YY/Y - 9 Lead

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

#### CONNECTIONS



FRAME: 182T HP: RPM: PHASE: 3 VOLT: 208 - 230/460V ENCL: TEFC FREQ: 60 Hz FLA: LRA:

