| | | | |
|---|---|---|---|
| TECHTOP electric motors | **Model Number** | **GX3-AL-TF-145T-2-B-D-2-230\|460-60** | |
| | **MFG PN** | **T145T2U2B** | |
| | **List Price** | **--** | |
| All data shown at HIGH voltage setting | | Format | STD 3 Phase |

| **Electrical Data** | | **General Data** | |
|---|---|---|---|
| Rated Motor Output Power | 2 HP | Frame Size | 145 |
| Rated Motor Speed | 3500 r/min | Enclosure | TEFC |
| Rated Motor Voltage (3 Phase) | 230\|460-60 Volts - HZ | Approximate Weight | 30 |
| Rated Motor Current | 5.18/2.59 Amps | NEMA Design | BE |
| Service Factor | 1.25 | IP Rating | 55 |
| KVA Code | L | Insulation Class | F |
| Nominal Efficiency | 85.5 % | Tropicalization | YES |
| Nominal Power Factor | 0.85 cosθ | Duty | Cont. |
| Full Load Torque Ft-Lb | 3.031536 Ft-Lb | Cable Entry | 3/4"-14 NPSC |
| Temp Rise @ Full Load °C | 39.4 | Feet Removable | YES |
| Efficiency Level | IE3 - NEMA Premium | Double Drilled | NO |

| **Load Data** | **RPM** | **Trq %FL** | **Current Amps** | Rated Ambient (°C) | 40 |
|---|---|---|---|---|---|
| Locked Rotor | - | 294 | 23.6 | Rated Altitude (M) | 1000 |
| Breakdown | - | 332 | - | Coating | 7024 - Graphite Grey |
| Pull Up | - | 202 | - | Shaft Grounding | YES |
| 125% of FL | 3481 | - | 3.13 | Brake Voltage (DC) | |
| 75% of FL | 3534 | - | 2 | Brake Torque (N-M) | |
| 50% of FL | 3556 | - | 1.68 | **Mechanical Data** | |
| No Load | 3591 | - | 1.28 | Bearing DE Side | 6205 ZZ |
| Hazardous Location | **Class 1, Div 2, Grp A,B,C,D** | | | Bearing NDE Side | 6205 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** | |

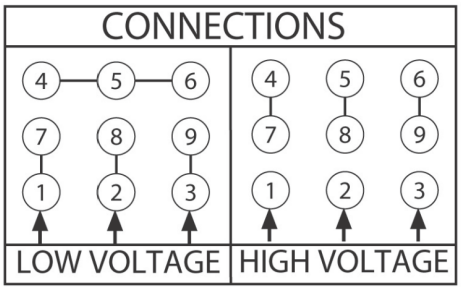
| Certifications | UL | CSA | DOE |
|---|---|---|---|
| File Numbers | **323353** | **224693** | 096A |
| **Wiring Diagram** | **3PH 9 Lead Dual Voltage** | | |

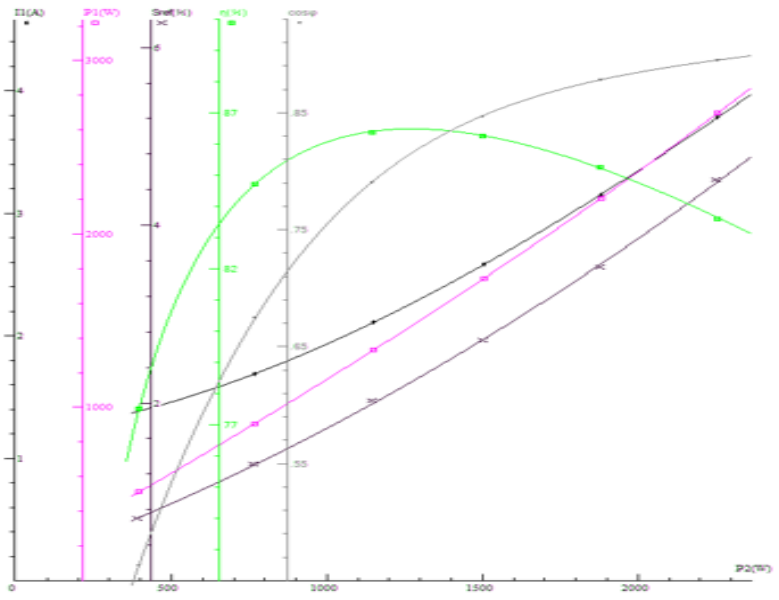
## 3 Phase - YY/Y - 9 Lead

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

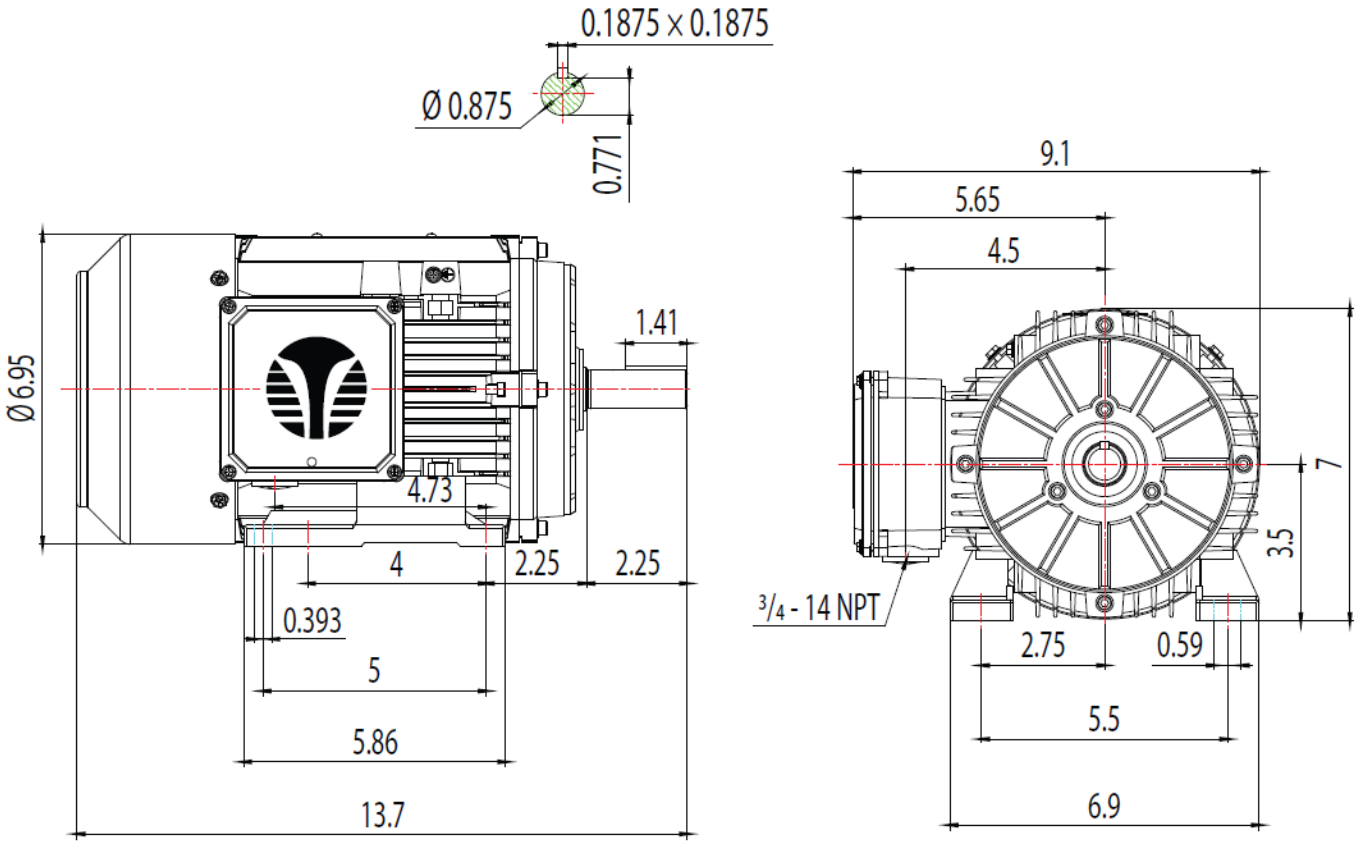
Aluminum - 4,5,6,8,9 Top - 1,2,3,7 Bottom



| | |
|---|---|
| Model Number | GX3-AL-TF-145T-2-B-D-2-230\|460-60 |
| MFG PN | T145T2U2B |
| List Price | -- |
| Base Frame | GX-145T-AL-TF |

| FRAME: 140T | HP: | RPM: | PHASE: 3 | VOLT: 208-230/460V | ENCL: TEFC | FREQ: 60 Hz | FLA: | LRA: |
|---|---|---|---|---|---|---|---|---|




| MODEL NUMBER: | REV. | BY | DATE | CHANGES |
|---|---|---|---|---|
| GX3-AL-TF-140T | 1 | | | |
| | 2 | | | |
| MFG PN: | 3 | | | |
| | 4 | | | |
| | 5 | | | |
| | 6 | | | |
| | 7 | | | |

MATERIAL: ALUMINUM
UNITS: INCH BY: SSEE
DRAWN: 11/16/2018
WWW.TECHTOP.COM

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