| | | | |
|---|---|---|---|
| TECHTOP electric motors | **Model Number** | **CB3-AL-TF-56HC-4-B-D-1.5-230\|460-60** | |
| | **MFG PN** | **T56H 1.5U4B** | |
| | **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 | 1745 r/min | Enclosure | TEFC |
| Rated Motor Voltage (3 Phase) | 230\|460-60 Volts - HZ | Approximate Weight | 35 |
| Rated Motor Current | 4.26/2.13 Amps | NEMA Design | B |
| Service Factor | 1.25 | IP Rating | 55 |
| KVA Code | L | Insulation Class | F |
| Nominal Efficiency | 86.5 % | Tropicalization | YES |
| Nominal Power Factor | 0.75 cosθ | Duty | Cont. |
| Full Load Torque Ft-Lb | 2.05 Ft-Lb | Cable Entry | ■"-14 NPT |
| Temp Rise @ Full Load °C | 21.8 | Feet Removable | YES |
| Efficiency Level | IE3 - NEMA Premium | Double Drilled | NO |

| **Load Data** | **RPM** | **Trq %FL** | **Current Amps** | Rated Ambient (°C) | 40 |
|---|---|---|---|---|---|
| Locked Rotor | - | 349 | 16.57 | Rated Altitude (M) | 1000 |
| Breakdown | - | 395 | - | Coating | 7024 - Graphite Grey |
| Pull Up | - | 339 | - | Shaft Grounding | YES |
| 125% of FL | 1734 | - | 2.54 | Brake Voltage (DC) | -- |
| 75% of FL | 1763 | - | 1.82 | Brake Torque (N-M) | -- |
| 50% of FL | 1776 | - | 1.57 | **Mechanical Data** | |
| No Load | -- | - | 1.35 | Bearing DE Side | 6205 ZZ |
| Hazardous Location | **Class 1, Div2 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 |

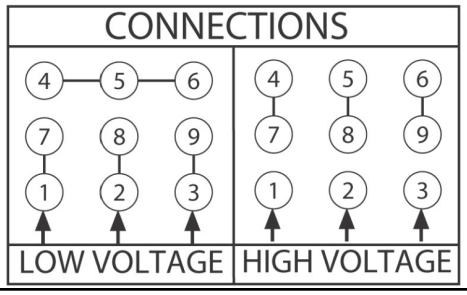
**Wiring Diagram** — **3PH 9 Lead Dual Voltage**

## 3 Phase - YY/Y - 9 Lead

4,1 Blue / 5,2 White / 6,3 Org / 7 Yl / 8 Blk / 9 RD

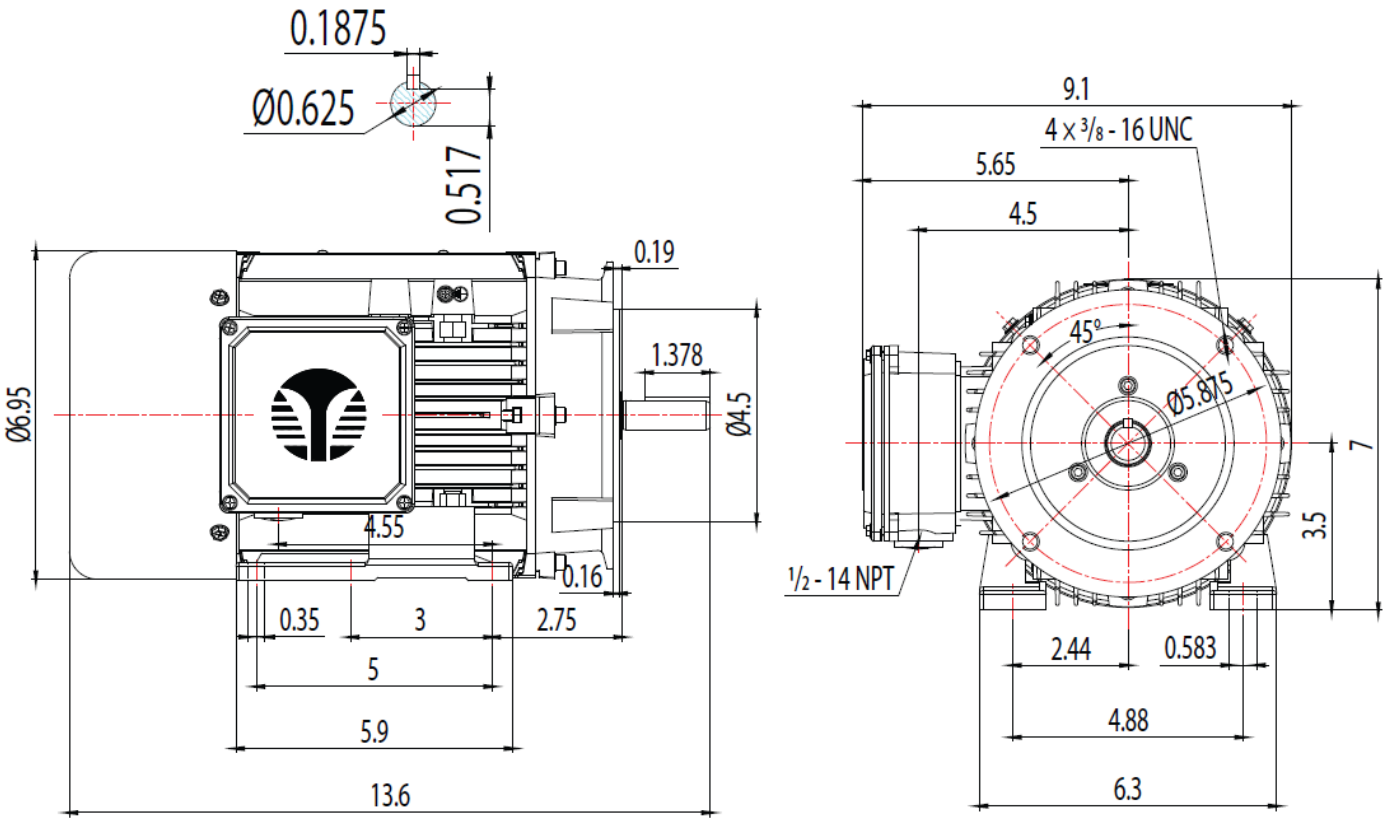
Cast Iron- 1,2,3 Top - 4,5,6,7,8,9 Bottom

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



| | |
|---|---|
| Model Number | CB3-AL-TF-56HC-4-B-D-1.5-230\|460-60 |
| MFG PN | T56H 1.5U4B |
| List Price | -- |
| Base Frame | CB-56HC-AL-TF |

| FRAME: 56HC | HP: | RPM: | PHASE: 3 | VOLT: 230/460V | ENCL: TEFC | FREQ: 60 Hz | FLA: | LRA: |
|---|---|---|---|---|---|---|---|---|




| MODEL NUMBER: | REV. | BY | DATE | CHANGES |
|---|---|---|---|---|
| CB3-AL-TF-56HC | 1 | | | |
| MFG PN: | 2 | | | |
| | 3 | | | |
| MATERIAL: ALUMINUM | 4 | | | |
| UNITS: INCH BY: SSEE | 5 | | | |
| DRAWN: 1/3/2019 | 6 | | | |
| WWW.TECHTOP.COM | 7 | | | |

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