



Model Number SS3-TF-56HC-4-D-1-230|460-60

MFG PN TSSF56H1U4B

List Price --

All data shown at HIGH voltage setting

Format STD 3 Phase

| Electrical Data               |                       |         |              | General Data       |                       |
|-------------------------------|-----------------------|---------|--------------|--------------------|-----------------------|
| Rated Motor Output Power      | 1 HP                  |         |              | Frame Size         | 56                    |
| Rated Motor Speed             | 1750 r/min            |         |              | Enclosure          | TEFC                  |
| Rated Motor Voltage (3 Phase) | 230 460-60 Volts - HZ |         |              | Approximate Weight | 47.3                  |
| Rated Motor Current           | 3.08/1.54 Amps        |         |              | NEMA Design        | B                     |
| Service Factor                | 1.25                  |         |              | IP Rating          | 69K                   |
| KVA Code                      | L                     |         |              | Insulation Class   | F                     |
| Nominal Efficiency            | 85.5 %                |         |              | Tropicalization    | YES                   |
| Nominal Power Factor          | 0.71 cosθ             |         |              | Duty               | Cont.                 |
| Full Load Torque Ft-Lb        | 2.972528 Ft-Lb        |         |              | Cable Entry        | 0                     |
| Temp Rise @ Full Load °C      | 33.7                  |         |              | Feet Removable     | NO                    |
| Efficiency Level              | IE3 - NEMA Premium    |         |              | Double Drilled     | 0                     |
| Load Data                     | RPM                   | Trq %FL | Current Amps | Rated Ambient (°C) | 40                    |
| Locked Rotor                  | -                     | 307     | 7.7          | Rated Altitude (M) | 1000                  |
| Breakdown                     | -                     | 399     | -            | Coating            | unpainted - unpainted |
| Pull Up                       | -                     | 267     | -            | Shaft Grounding    | NO                    |
| 125% of FL                    | 1750                  | -       | 1.77         | Brake Voltage (DC) | --                    |
| 75% of FL                     | 1771                  | -       | 1.32         | Brake Torque (N-M) | --                    |
| 50% of FL                     | 1781                  | -       | 1.17         | Mechanical Data    |                       |
| No Load                       | --                    | -       | 1.03         | Bearing DE Side    | 6205 2RS              |
| Hazardous Location            | --                    |         |              | Bearing NDE Side   | 6204 2RS              |
|                               |                       |         |              | 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 |

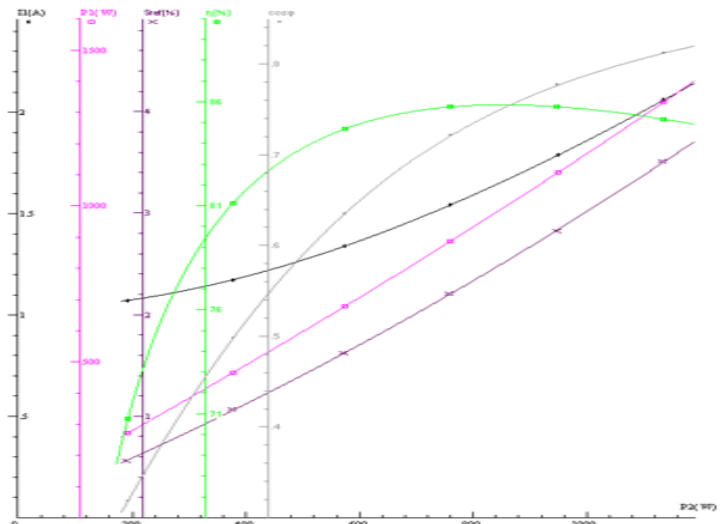
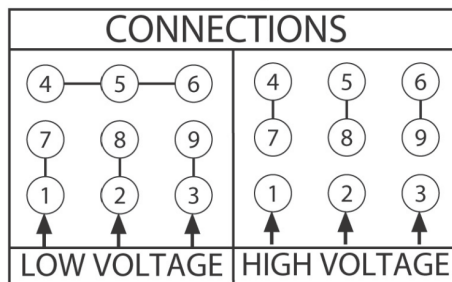
|                |                         |
|----------------|-------------------------|
| Wiring Diagram | 3PH 9 Lead Dual Voltage |
|----------------|-------------------------|

### 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

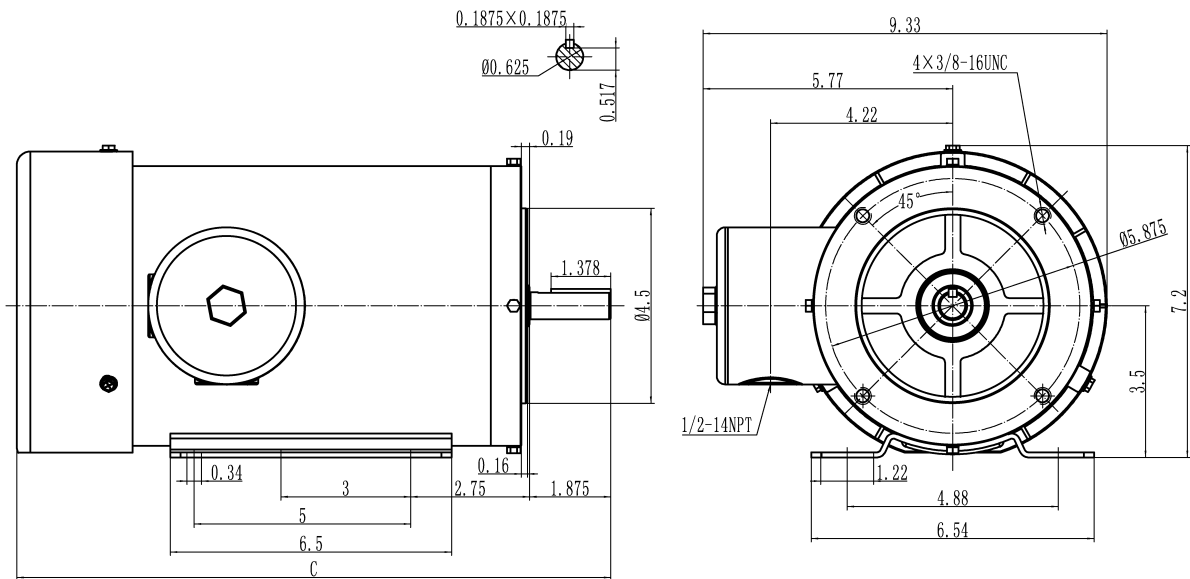


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|              |                              |
|--------------|------------------------------|
| Model Number | SS3-TF-56HC-4-D-1-230 460-60 |
| MFG PN       | TSSF56H1U4B                  |
| List Price   | --                           |
| Base Frame   | SS-56HC-SS-TF                |

FRAME: HP: RPM: PHASE: VOLT: ENCL: FREQ: FLA: LRA:



|               |         |      |
|---------------|---------|------|
| TSSF56H3U2B   | 3       | 14.6 |
| TSSF56H2U2B   | 2       | 13.8 |
| TSSF56H1.5U2B | 1.5     | 13.2 |
| TSSF56H2U4B   | 2       | 14.6 |
| TSSF56H1.5U4B | 1.5     | 13.8 |
| TSSF56H1U4B   | 1       | 13.2 |
| 型号            | 功率 (HP) | C    |



MODEL: TSSF56H  
REV.DESC:

SCALE: 1:2  
VERSION:

DATE:  
REVISED:

UNITS:

BY:

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