

**NEMA**

**Model SSBN.754F-C-RND**  
MFG PN: TSSN56C3/4U4B

# Model SSBN.754F-C-RND

## Product Data Package



| MODEL           | HP   | RPM  | VOLTAGE | PHASE | Hz | FRAME | MOUNT               | ENCLOSURE |
|-----------------|------|------|---------|-------|----|-------|---------------------|-----------|
| SSBN.754F-C-RND | 0.75 | 1760 | 575     | 3     | 60 | 56C   | Round Body/C-Flange | TENV      |

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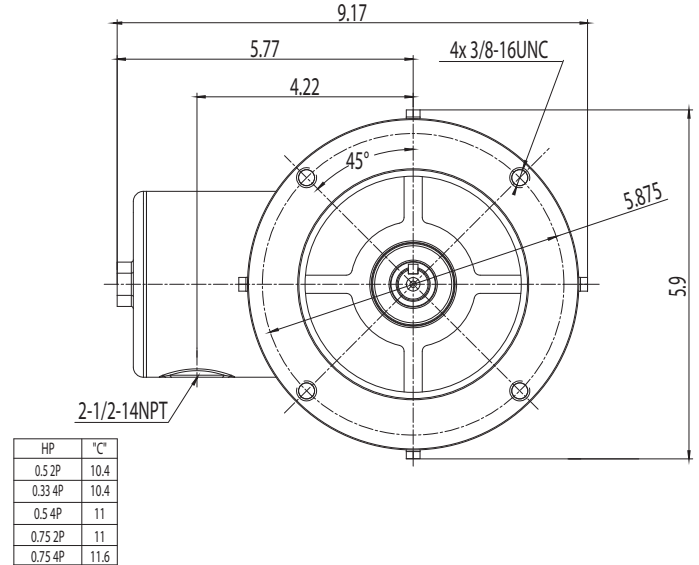
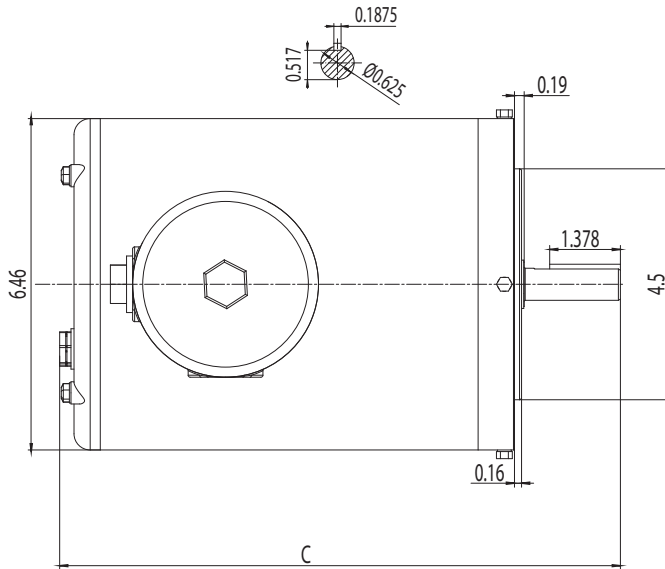
| ELECTRICAL DATA                     |       |                            |
|-------------------------------------|-------|----------------------------|
| Rated Motor Output Power            | 0.75  | HP                         |
|                                     | 0.55  | kW                         |
| Rated Motor Speed                   | 1760  | r/min 60Hz                 |
|                                     | -     | r/min 50Hz                 |
| Rated Motor Voltage (+/-10%)        | 575   | V/60Hz                     |
|                                     | -     | V/50Hz                     |
| Rated Motor Current                 | 0.97  | A (I <sub>n</sub> ) @ 60Hz |
|                                     | -     | A (I <sub>n</sub> ) @ 50Hz |
| Phase                               | 3     | Ø                          |
| Locked Rotor Current @ High Voltage | 8.05  | A (I <sub>n</sub> ) @ 60Hz |
| FI Current @ 208V                   | -     | A (I <sub>n</sub> ) @ 60Hz |
| Service Factor                      | 1.25  | @ 60Hz                     |
|                                     | -     | @ 50Hz                     |
| KVA Code                            | N     | 60Hz                       |
|                                     | -     | 50Hz                       |
| Nominal Efficiency                  | 85.5  | % @ 60Hz                   |
| Nominal Power Factor                | 0.68  | cosΦ @ 60Hz                |
| Leads (Qty, Size)                   | 3     | 18                         |
| Connection                          | Y     | -                          |
| Coil Resistance                     | -     | Ω                          |
| Start Capacitor                     | -     | µF/V                       |
| Run Capacitor                       | -     | µF/V                       |
| VFD DUTY (S.F. 1.0)                 | RATIO | Hz                         |
| Variable Torque                     | 30:1  | 2 - 60                     |
| Constant Torque                     | 15:1  | 4 - 60                     |
| FULL LOAD TEMPERATURE RISE          |       |                            |
| Full Load Temperature Rise          | 50.1  | °C @ 60Hz                  |
|                                     | -     | °C @ 50Hz                  |

| GENERAL DATA                        |                                |                 |
|-------------------------------------|--------------------------------|-----------------|
| Frame Size                          | 56C                            |                 |
| Enclosure                           | TENV                           |                 |
| Mounting                            | Round Body/C-Flange            |                 |
| Approximate Weight (lbs.)           | 42.1 lbs.                      |                 |
| Casing Material / Fan Cover         | Stainless Steel                | Stainless Steel |
| Shaft Material                      | 304 SS                         |                 |
| NEMA Design                         | B                              |                 |
| Degree of Protection (IP)           | 69K                            |                 |
| Insulation Class / Temp Rise (60Hz) | F                              | B               |
| Tropicalization                     | YES                            |                 |
| Duty                                | Cont. / S1                     |                 |
| Conduit Box Location                | F1                             |                 |
| Feet Removable / Double Drilled     | NO                             | NO              |
| Paintwork                           | unpainted                      |                 |
|                                     | unpainted                      |                 |
| MECHANICAL DATA                     |                                |                 |
| Bearing DE Side                     | 6205 ZZ                        |                 |
| Bearing ODE Side                    | 6204 ZZ                        |                 |
| Grease Type                         | Food grade Mobilgrease™ FM 222 |                 |
| Compensation Ring (wavy washer)     | NDE                            |                 |
| Moment of Inertia (lb-ft²)          | -                              |                 |
| Sound Pressure @ 3 FT dBA           | -                              |                 |
| SITE CONDITIONS                     |                                |                 |
| Ambient Temperature (°C)            | 40                             |                 |
| Meters Above Sea Level (MASL)       | 1000                           |                 |
| HAZARDOUS LOCATIONS                 |                                |                 |
| CSA Certified                       | A, B, C & D                    |                 |
| Temperature Code                    | -                              | -               |

**Questions? Call 1.888.286.1820**

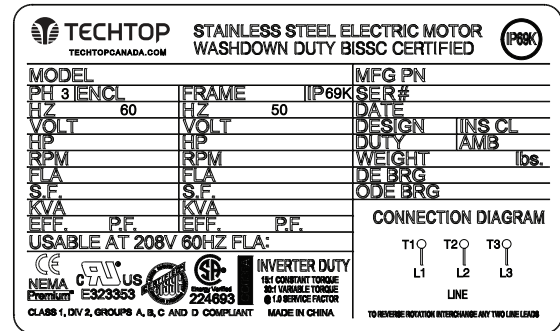
**NEMA**

**Model SSBN.754F-C-RND**  
MFG PN: TSSN56C3/4U4B



| NAMEPLATE DATA             | 60Hz       | 50Hz |
|----------------------------|------------|------|
| Horse Power                | 0.75       | -    |
| RPM                        | 1760       | -    |
| Voltage                    | 575        | -    |
| Full Load Amps             | 0.97       | -    |
| Service Factor             | 1.25       | -    |
| KVA Code                   | N          | -    |
| Full Load Amps (208V)      | -          | -    |
| Nominal Efficiency         | 85.5       | -    |
| Nominal Power Factor       | 0.68       | -    |
| Design                     | B          |      |
| Frame                      | 56C        |      |
| Enclosure Type             | TENV       |      |
| IP Rating                  | 69K        |      |
| Duty                       | Cont. / S1 |      |
| Insulation Class           | F          |      |
| Ambient Rating             | 40         |      |
| Drive End Bearing          | 6205 ZZ    |      |
| Opposite Drive End Bearing | 6204 ZZ    |      |
| Weight (lbs)               | 42.1       |      |

NAMEPLATE LAYOUT



| VFD DUTY (S.F. 1.0) | RATIO | Hz*    |
|---------------------|-------|--------|
| Variable Torque     | 30:1  | 2 - 60 |
| Constant Torque     | 15:1  | 4 - 60 |

\*For max speed please contact Techtop Canada

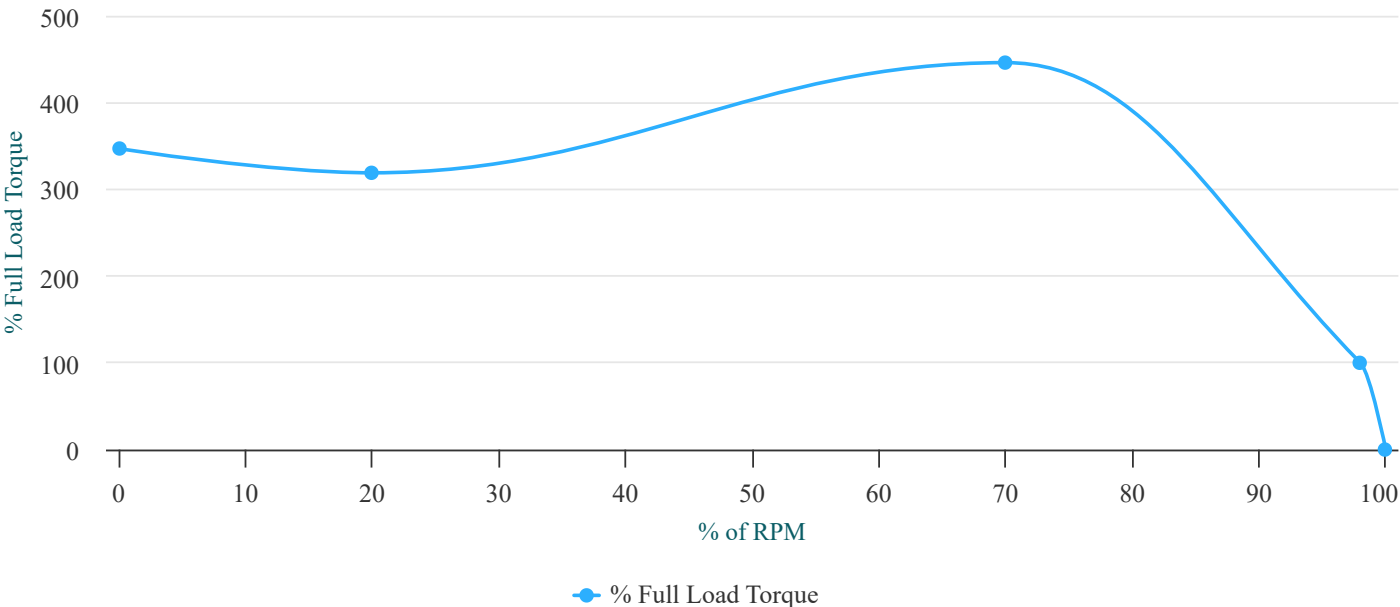
| HAZARDOUS LOCATIONS | CSA COMPLIANT        |
|---------------------|----------------------|
| Class / Division    | Class I, Division II |
| Groups              | A, B, C & D          |

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**Torque Speed (T-n) Curve**



**PERFORMANCE LOAD VALUES, HIGH VOLTAGE, 60Hz**

| TORQUE VALUES       | TORQUE (lb-ft) | TORQUE (% FULL LOAD) | PERFORMANCE VALUES   |      |
|---------------------|----------------|----------------------|----------------------|------|
| Locked Rotor Torque | 7.8            | 347                  | Start Configuration  | DOL  |
| Pull-Up Torque      | 7.1            | 319                  | Starting Current (A) | 8.05 |
| Breakdown Torque    | 10             | 446                  | No-Load Current (A)  | 0.7  |
| Full Load Torque    | 2.2            | 100                  | No-Load Power Factor | 0.08 |

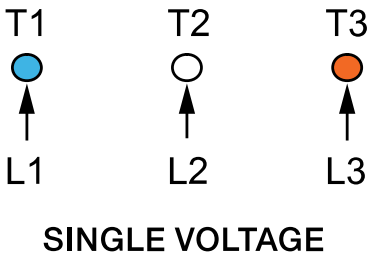
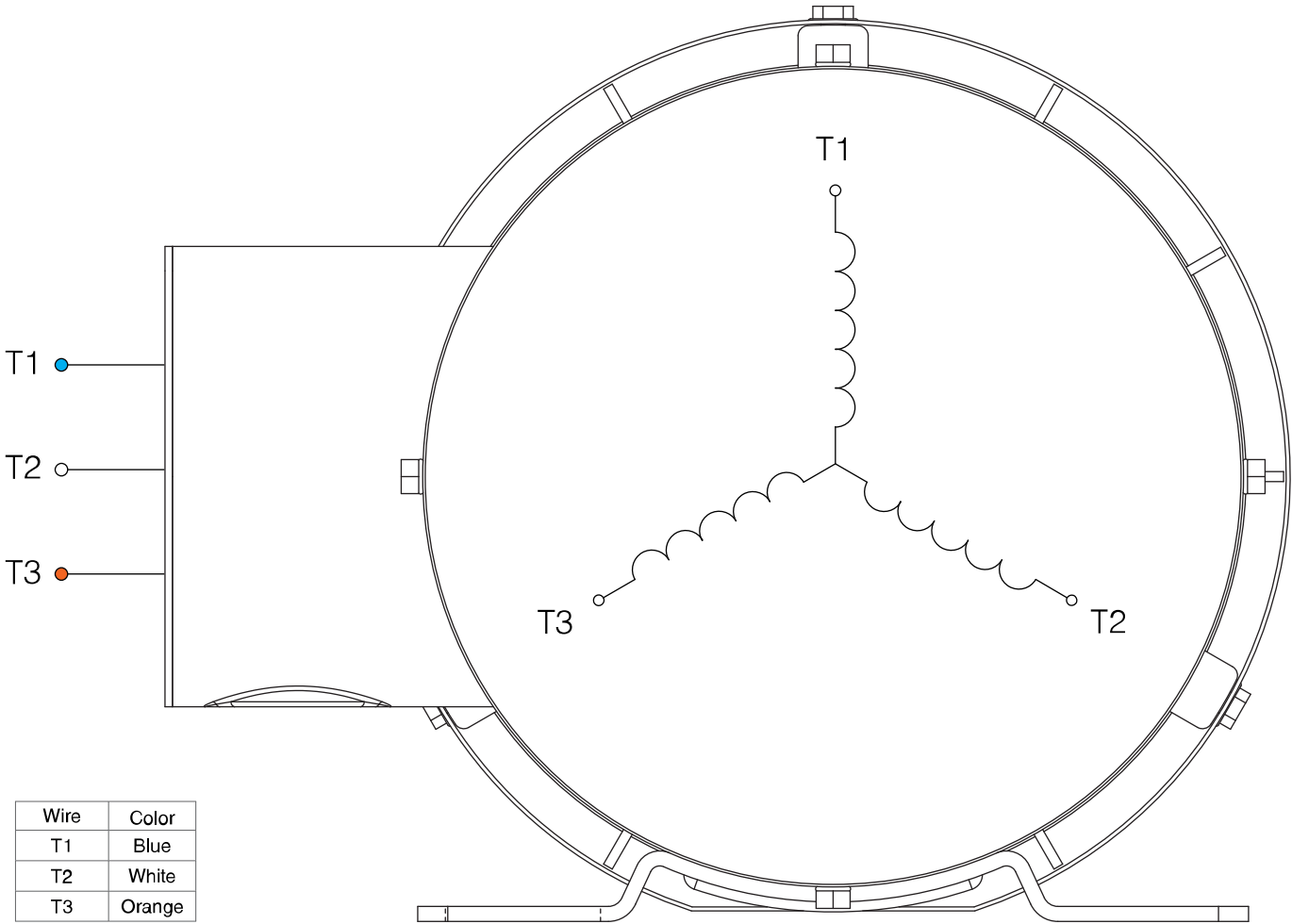
**TYPICAL PERFORMANCE - NOT GUARANTEED VALUES**

| % OF RATED LOAD     | 25     | 50     | 75     | 100    | 125    | S.F. 1.25 |
|---------------------|--------|--------|--------|--------|--------|-----------|
| Line Amperes (A)    | 0.7    | 0.7    | 0.8    | 0.9    | 1.1    | 1.1       |
| Efficiency (%)      | 71.2   | 81.8   | 85.3   | 86.5   | 86.7   | 86.7      |
| Speed (r/min)       | 1791.0 | 1783.0 | 1775.0 | 1766.0 | 1756.0 | 1756.0    |
| Power Factor (cosΦ) | 0.29   | 0.46   | 0.60   | 0.69   | 0.75   | 0.75      |
| Input Power (kW)    | 0.2    | 0.3    | 0.5    | 0.7    | 0.8    | 0.8       |

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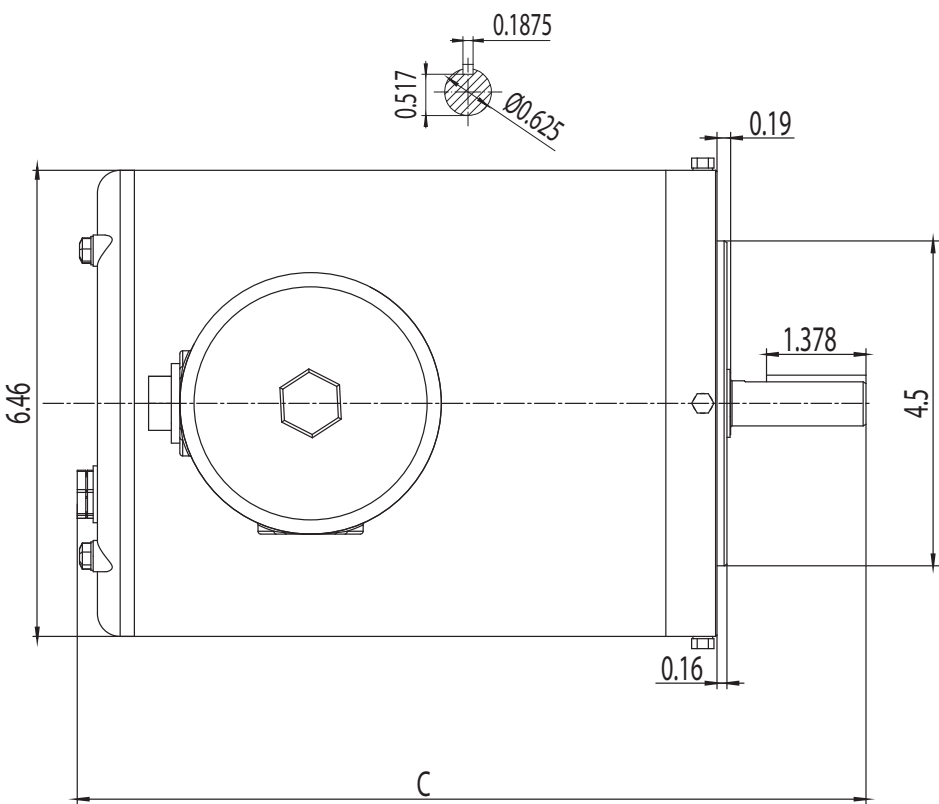
- NOTES:
- 1. CCW ROTATION FACING ODE FOR CONNECTIONS SHOWN
  - 2. TO REVERSE ROTATION, SWAP ANY TWO INPUT LINES
  - 3. WHEN MOTOR IS IN F1 POSITION, LEADS INDICATED WITH “\*” EXIT THE CASING ABOVE THE CENTER LINE OF THE MOTOR, THE REMAINING LEADS EXIT BELOW THE CENTER LINE
  - 4. LEADS MUST BE NUMBERED AND COLORED AS SHOWN
  - 5. DIAGRAMS FOR REFERENCE ONLY



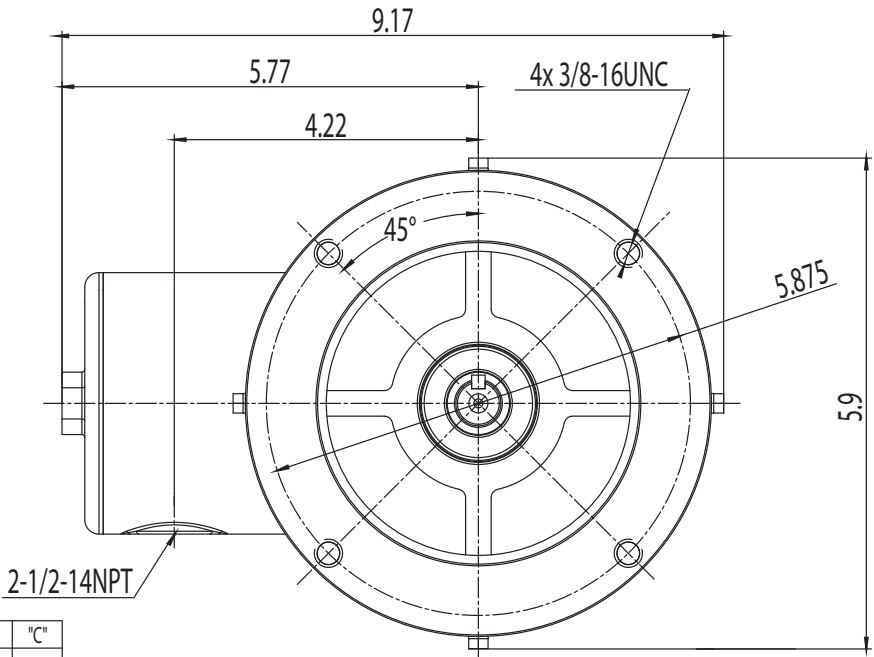
|                     |               |
|---------------------|---------------|
| DRAWING NUMBER:     | NEMA-3-3-Y-SS |
| CONNECTION:         | Y             |
| NUMBER OF LEADS:    | 3             |
| THERMAL PROTECTION: | -             |

NEMA 3Ø Y 3-Lead Single Voltage

|                              |          |
|------------------------------|----------|
| ISSUED DATE                  | 20/11/25 |
| STAINLESS STEEL IP69K MOTORS |          |



| HP      | "C"  |
|---------|------|
| 0.5 2P  | 10.4 |
| 0.33 4P | 10.4 |
| 0.5 4P  | 11   |
| 0.75 2P | 11   |
| 0.75 4P | 11.6 |



NEMA Premium TENV 56C

|                  |                     |
|------------------|---------------------|
| DRAWING NUMBER:  | SS3-MV-56C-RND      |
| DIMENSIONS:      | Inches              |
| MOUNTING:        | Round Body/C-Flange |
| CASING MATERIAL: | Stainless Steel     |

|                              |          |
|------------------------------|----------|
| ISSUED DATE                  | 20/11/25 |
| STAINLESS STEEL IP69K MOTORS |          |