

NEMA

Model **SSB.754F-C-RND**
MFG PN: TSSF56C3/4U4B

Model **SSB.754F-C-RND**

Product Data Package



MODEL	HP	RPM	VOLTAGE	PHASE	Hz	FRAME	MOUNT	ENCLOSURE
SSB.754F-C-RND	0.75	1750	575	3	60	56C	Round Body/C-Flange	TEFC

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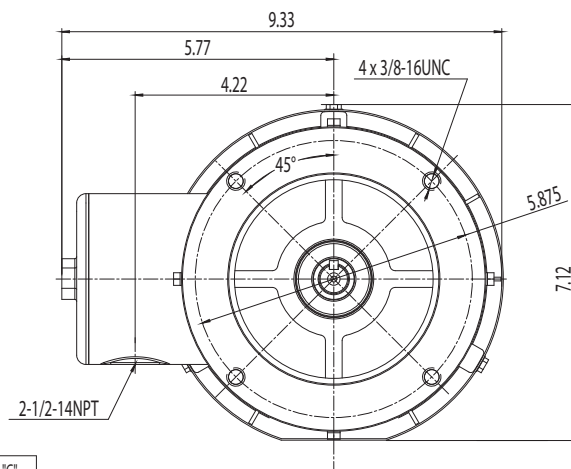
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ELECTRICAL DATA		
Rated Motor Output Power	0.75	HP
	0.55	kW
Rated Motor Speed	1750	r/min 60Hz
	-	r/min 50Hz
Rated Motor Voltage (+/-10%)	575	V/60Hz
	-	V/50Hz
Rated Motor Current	1.04	A (I _n) @ 60Hz
	-	A (I _n) @ 50Hz
Phase	3	Ø
Locked Rotor Current @ High Voltage	-	A (I _n) @ 60Hz
FI Current @ 208V	-	A (I _n) @ 60Hz
Service Factor	1.25	@ 60Hz
	-	@ 50Hz
KVA Code	M	60Hz
	-	50Hz
Nominal Efficiency	81.5	% @ 60Hz
Nominal Power Factor	0.66	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	31.7	°C @ 60Hz
	-	°C @ 50Hz

GENERAL DATA		
Frame Size	56C	
Enclosure	TEFC	
Mounting	Round Body/C-Flange	
Approximate Weight (lbs.)	38.3 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

MFG PN: TSSF56C3/4U4B



HP	"C"
0.5	12
0.75 2P	12
0.75 4P	12.6

NAMEPLATE LAYOUT

 TECHTOP TECHTOPCANADA.COM		WASHLESS STEEL ELECTRIC MOTOR WASHDOWN DUTY BISSC CERTIFIED		
MODEL PH 3 IECL		FRAME		MFG PN
HZ 60	HZ 50	IP68K		SER#
VOLT	VOLT	DATE		DESIGN
HP	HP	DUTY		INS CL
RPM	RPM	WEIGHT		AMB
FLA	FLA	DE BRG		lbs.
S.F.	S.F.	ODE BRG		
KVA	KVA	DFE BRG		
EFF.	EFF.	PF.		
PF.	PF.	CONNECTION DIAGRAM		
USABLE AT 208V 60HZ FLA:				
				
NEMA Premium	CAT	US	224693	INVERTER DUTY 180 CONSTANT TORQUE 90% VARIABLE TORQUE 0.1A SERVICE FACTOR
CLASS 1, DIV 2, GROUPS A, B, C AND D COMPLIANT				MADE IN CHINA
TO REMEMBER: INDICATOR INTERMEDIATE ANY TWO LINE LEADS				

*For max speed please contact Techtop Canada

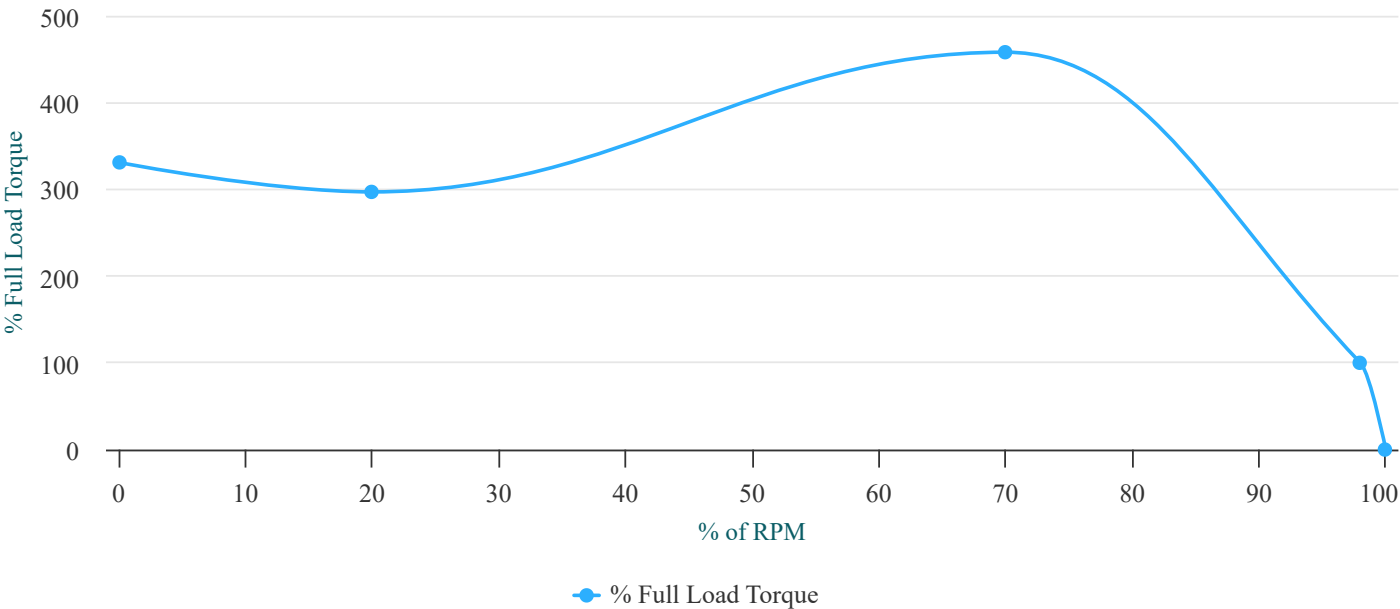
HAZARDOUS LOCATIONS	CSA COMPLIANT
Class / Division	Class I, Division II
Groups	A, B, C & D

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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	7.5	331	Start Configuration	DOL
Pull-Up Torque	6.7	297	Starting Current (A)	-
Breakdown Torque	10.3	458	No-Load Current (A)	0.8
Full Load Torque	2.3	100	No-Load Power Factor	-

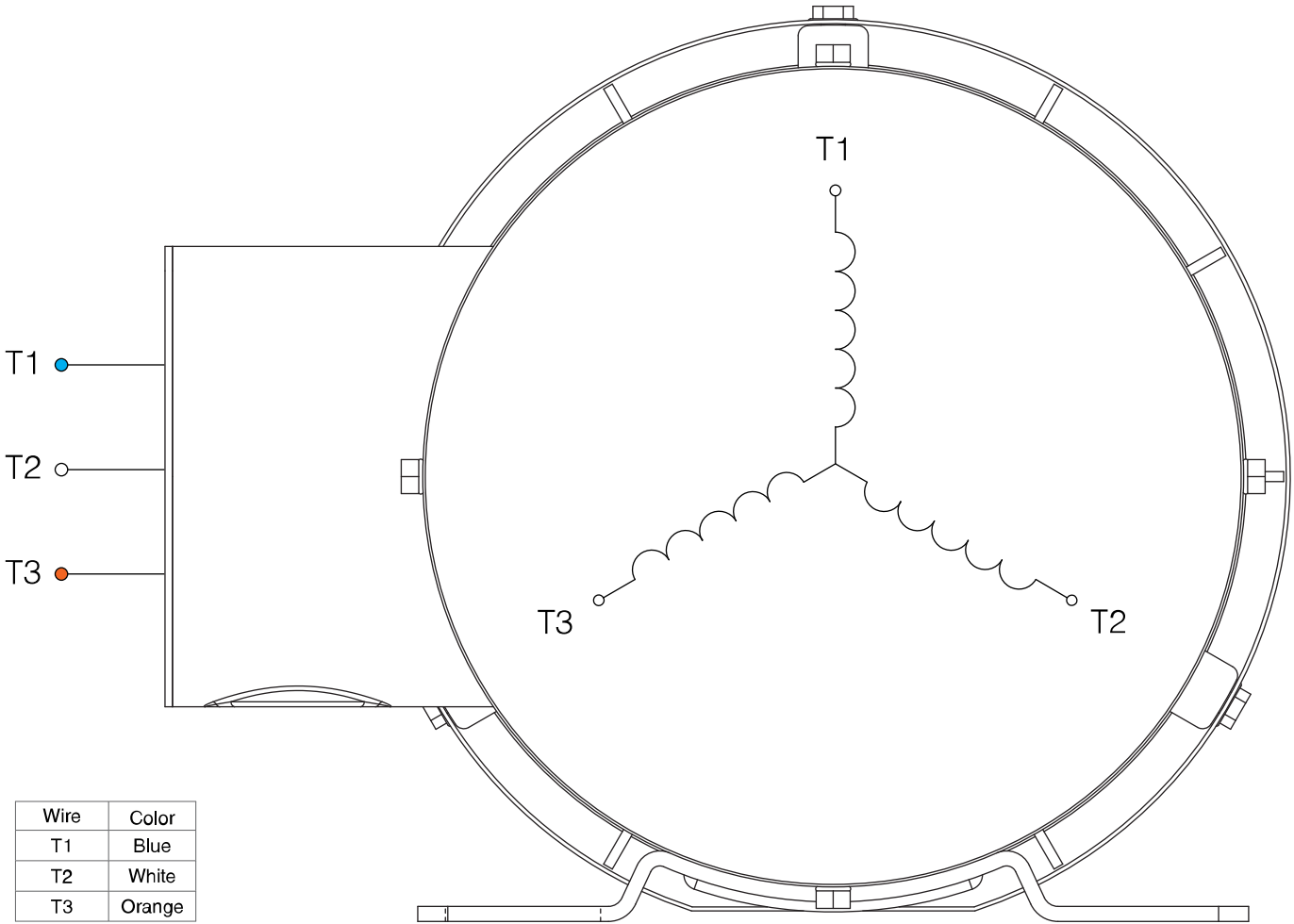
TYPICAL PERFORMANCE - NOT GUARANTEED VALUES

% OF RATED LOAD	25	50	75	100	125	S.F. 1.25
Line Amperes (A)	0.8	0.9	0.9	1.0	1.2	1.2
Efficiency (%)	62.4	75.8	80.9	83.1	84.0	84.0
Speed (r/min)	1792.0	1784.0	1776.0	1768.0	1759.0	1759.0
Power Factor (cosΦ)	0.28	0.43	0.56	0.65	0.72	0.72
Input Power (kW)	0.2	0.4	0.5	0.7	0.8	0.8

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Wire	Color
T1	Blue
T2	White
T3	Orange



SINGLE VOLTAGE

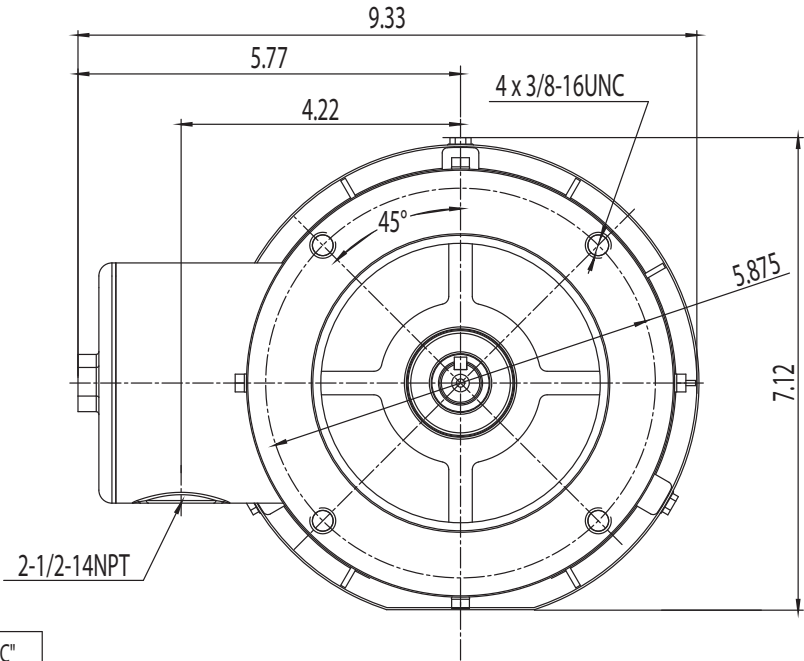
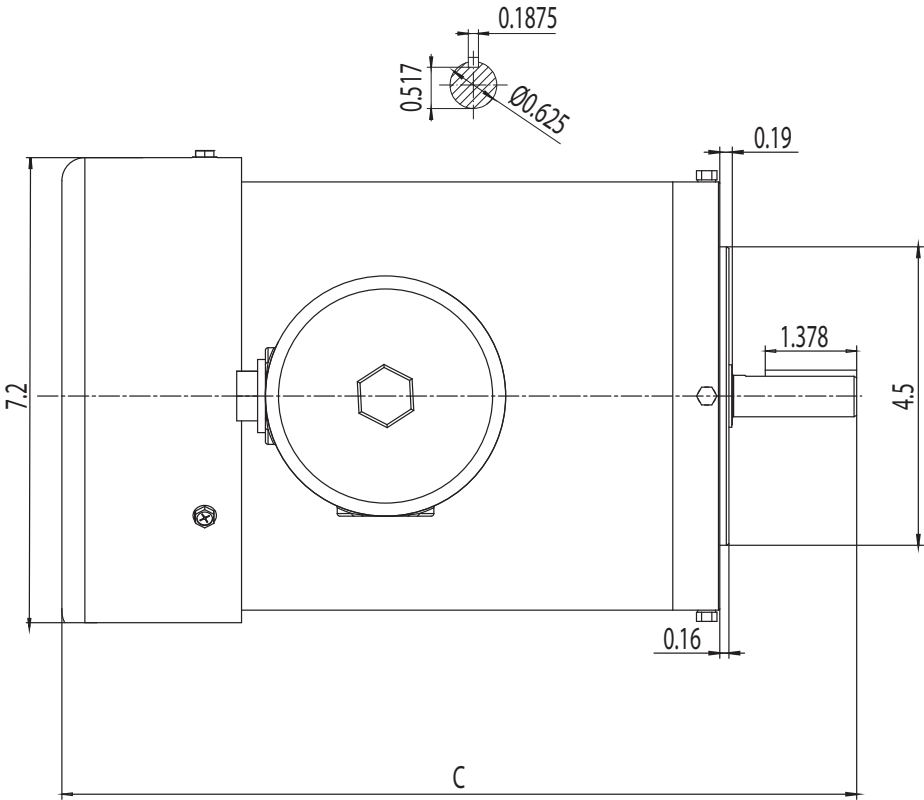
- NOTES:
- 1. CCW ROTATION FACING ODE FOR CONNECTIONS SHOWN
 - 2. TO REVERSE ROTATION, SWAP ANY TWO INPUT LINES
 - 3. WHEN MOTOR IS IN F1 POSITION, LEADS INDICATED WITH “*” EXIT THE CASING ABOVE THE CENTER LINE OF THE MOTOR, THE REMAINING LEADS EXIT BELOW THE CENTER LINE
 - 4. LEADS MUST BE NUMBERED 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	12
0.75 2P	12
0.75 4P	12.6



NEMA Premium TEFC 56C

DRAWING NUMBER:	SS3-TF-56C-RND	ISSUED DATE	20/11/25
DIMENSIONS:	Inches	STAINLESS STEEL IP69K MOTORS	
MOUNTING:	Round Body/C-Flange		
CASING MATERIAL:	Stainless Steel		