SOUNDSTREAM

Tarantula T5

OWNERS MANUAL

In recent years, Tarantula subwoofers have evolved to meet various peformance and placement goals, keeping your, the Soundstream fanatic, suggestions in mind. However, more often than not, we hear your calls to bring back a legend. For 2015, we're proud to re-introduce the old favorite, Tarantula T5.

For this next generation, we made a few changes and several improvements. Improvements include direct connect wire leads, over satturated 12mm top plate and t-yoke, & double-stitched cone to high density polyether foam surround for improved sound quality. Key components that you expect from T5 still remain; big ass 1,000w 3" voice coil, tripple-stack magnet structure, high density Spruce pulp sub-cone, and the iconic black-on-black Soundstream spider.

FEATURES, PARAMETERS, & SPECIFICATIONS

Overcompensating Motor Sturcture for Increased Magnetic Strength

12mm T-Yoke & Top Plate Improve Low Frequency Dynamics

Vented T-Yoke & Frame Reduces Voice Coil Heat Build-up

Non-Magnetic Non-Resonate Die-Cast Aluminum Frame

3" 4-Layer Voice Coil w/ Direct Connect Wire Increases Power Handling

High-Temperature Tollerance Adhesives Resist Thermal Failure

Non-Transfer Spruce Pulp Cone w/ UV & Chemical Protection

Sitched and Glued Surround/ Cone Joints for Strongest Bond

Extended Excursion Polyether Foam Surround w/ UV & Chemical Protection

Dual Poly-Cotton Suspension Dampen Violent Accelerations

1-pc Gasket/Trim Ring w/ Concealed Mounting Holes Included

Specification	T5.122	T5.152
Fs (Hz)	34.951	34.951
Qms	7.061	7.244
Vas (ft^3)	.73	1.57
Cms (mm/N)	.0516	.0465
Mms (g)	401.323	445.883
Xmax (mm)	16.5	16.5
Xmech (mm)	37.5	53.5
Qes	.685	1.108
Re (Ω)	3.6	3.6
Z (Ω)	4	4
BL (Tm)	20.682	18.609
MAX Power	2,000w	2,600w
RMS Power	1,000w	1,300w
Qts	.624	.892
NO (%)	.125	.180
Efficiency (1w/1m)	83.0dB	84.6dB
Voice Coil Diameter	3.00"	3.00'
Impedance	DVC 2 Ω	DVC 2 Ω

Vehicle conditions, amplifier, music prefeences, & other variables make it difficult to give you exact dimensions for an enclosure deisgn. For enclosure designs tailored to your specific needs, please contact us at tech-support@soundstream.com, or 1-800-724-1377.

All enclosures should be made of .75" (3/4") material only. When possible, make the baffle 1.5" (1 ½) thick and add .75" (3/4") to the depth of the enclosure to compensate. All volumes INCLUDE vent/port and subwoofer displacements. DO NOT change the volume unless you plan on adding a substantial amount of bracing. For added performance, applying a coat of fiberglass resin to the interior walls will greatly improve sealing the enclosure. Adding a thin layer of poly-fill will improve response by smoothing out reflections within the enclosure.

Below are recommended enclsoure designs and the expected performance:

T5.122 Recommended Sealed Enclosures			
	Volume (ft^3)	QTC	Tuning Freq.
Minimum	0.75	.884	52.5
Optimum	1.00	.785	50.3
Maximum	1.25	.725	49.5

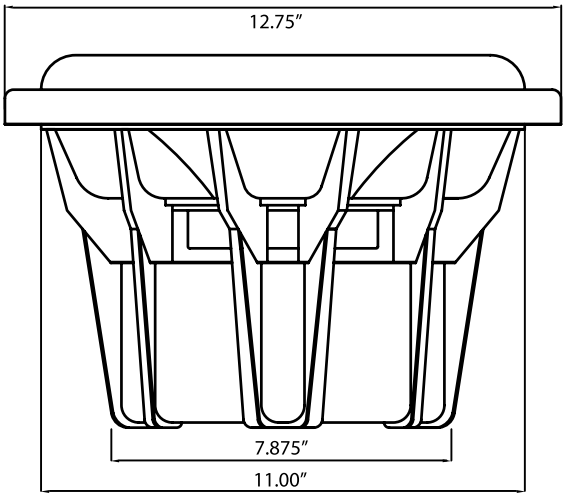
T5.122 Recommended Ported Enclosures				
	Volume (ft^3)	Round Port Size	FB (Hz)	Tuning Freq.
Minimum	1.75	4" x 15.25"L	36.2	33.3
Optimum	2.00	4" x 14.5"L	34	31.1
Maximum	2.25	4" x 14"L	32.2	29.3

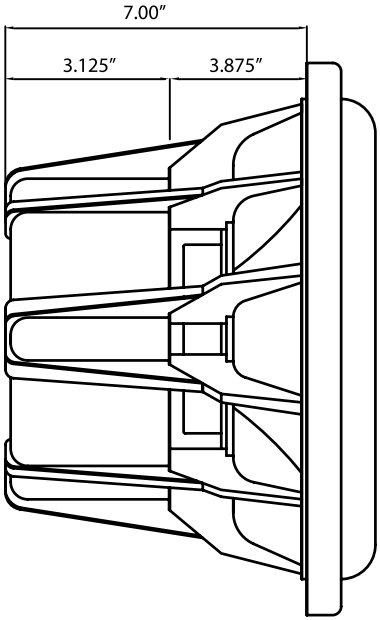
T5.152 Recommended Sealed Enclosures			
	Volume (ft^3)	QTC	Tuning Freq.
Minimum	1.50	.914	44.3
Optimum	2.00	.812	42.3
Maximum	2.50	.749	41.6

T5.152 Recommended Ported Enclosures				
	Volume (ft^3)	Round Port Size	FB (Hz)	Tuning Freq.
Minimum	3.00	(2) 3" x 9.75"L	34.3	31.3
Optimum	4.00	(2) 4" x 15.75"L	32.1	28.5
Maximum	5.00	(2) 4" x 13"L	30.2	26.8

PHYSICAL CHARACTERISTICS

T5.122





T5.152