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; 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	T5.102	T5.104	T5.122	T5.124	T5.152	T5.154
Fs (Hz)	39.8	40.5	34.6	35.8	34.9	32.6
Qms	7.889	6.000	7.061	6.562	7.244	6.46
Vas (ft^3)	0.39	0.37	0.73	0.75	1.57	2.31
Cms (mm/N)	.055	.050	.0516	.0600	.0465	.0700
Mms (g)	250.200	247.700	401.323	334.400	445.883	408.500
Xmax (mm)	14		16.5		16.5	
Xmech (mm)	38		37.5		53.5	
Qes	0.601	0.666	0.685	0.748	1.108	0.763
Re (Ω)	3.6	7.2	3.6	7.2	3.6	7.2
Z (Ω)	4	8	4	8	4	8
BL (Tm)	18.609	20.041	20.682	26.700	18.609	25.430
MAX Power	1,800w		2,000w		2,600w	
RMS Power	900w		1,000w		1,300w	
Qts	.559	.599	.624	.672	.892	.682
NO (%)	.145	.120	.125	.150	.180	.280
Efficiency (1w/1m)	83.6dB	83.5dB	83.0dB	84.6dB	84.6dB	86.6dB
Impedance	DVC 2 Ω	DVC 4 Ω	DVC 2 Ω	DVC 4 Ω	DVC 2 Ω	DVC 4 Ω

Vehicle conditions, amplifier, music preferences, & 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 their expected performance:

T5.10

	T5.10 Recommended Sealed Enclosures			T5.10 Recommended Ported Enclosures		
	Volume (ft^3)	QTC	Tuning (Hz)	Volume (ft^3)	Round Port	Tuning (Hz)
Min.	0.50	.878	49.7	1.00	3" x 14"L	34.0
Opt.	0.75	.756	47.5	1.25	3" x 11.5"L	31.1
Max.	1.00	.694	47.2	1.50	3" x 10"L	29.2

T5.12

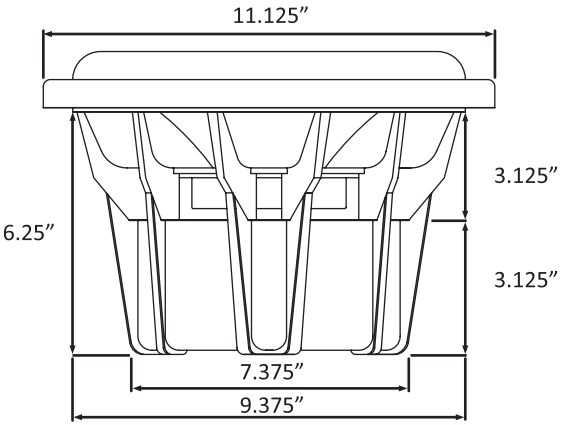
	T5.12 Recommended Sealed Enclosures			T5.12 Recommended Ported Enclosures		
	Volume (ft^3)	QTC	Tuning (Hz)	Volume (ft^3)	Round Port	Tuning (Hz)
Min.	0.75	.884	52.5	1.75	4" x 15.25"L	33.3
Opt.	1.00	.785	50.3	2.00	4" x 14.5"L	31.1
Max.	1.25	.725	49.5	2.25	4" x 14"L	29.3

T5.15

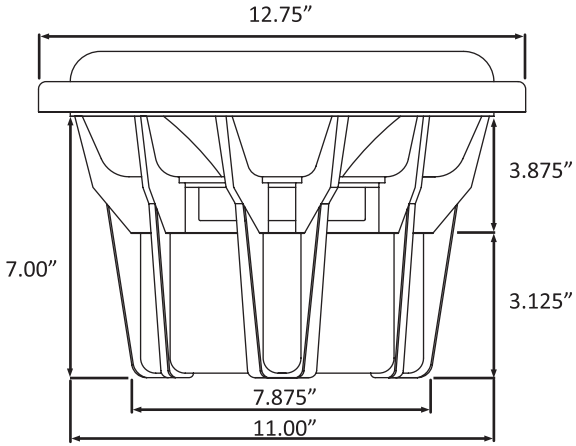
	T5.15 Recommended Sealed Enclosures			T5.15 Recommended Ported Enclosures		
	Volume (ft^3)	QTC	Tuning (Hz)	Volume (ft^3)	Round Port	Tuning (Hz)
Min.	1.50	.914	44.3	3.00	(2) 3" x 9.75"L	31.3
Opt.	2.00	.812	42.3	4.00	(2) 4" x 15.75"L	28.5
Max.	2.50	.749	41.6	5.00	(2) 4" x 13"L	26.8

DIMENSIONS

T5.10



T5.12



T5.15