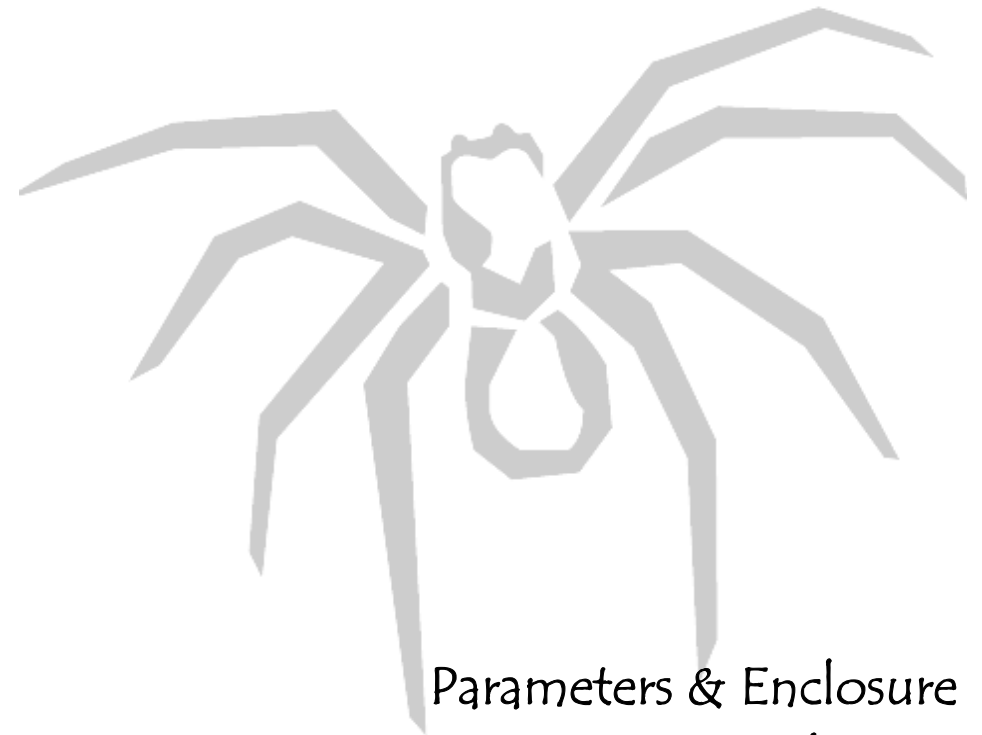
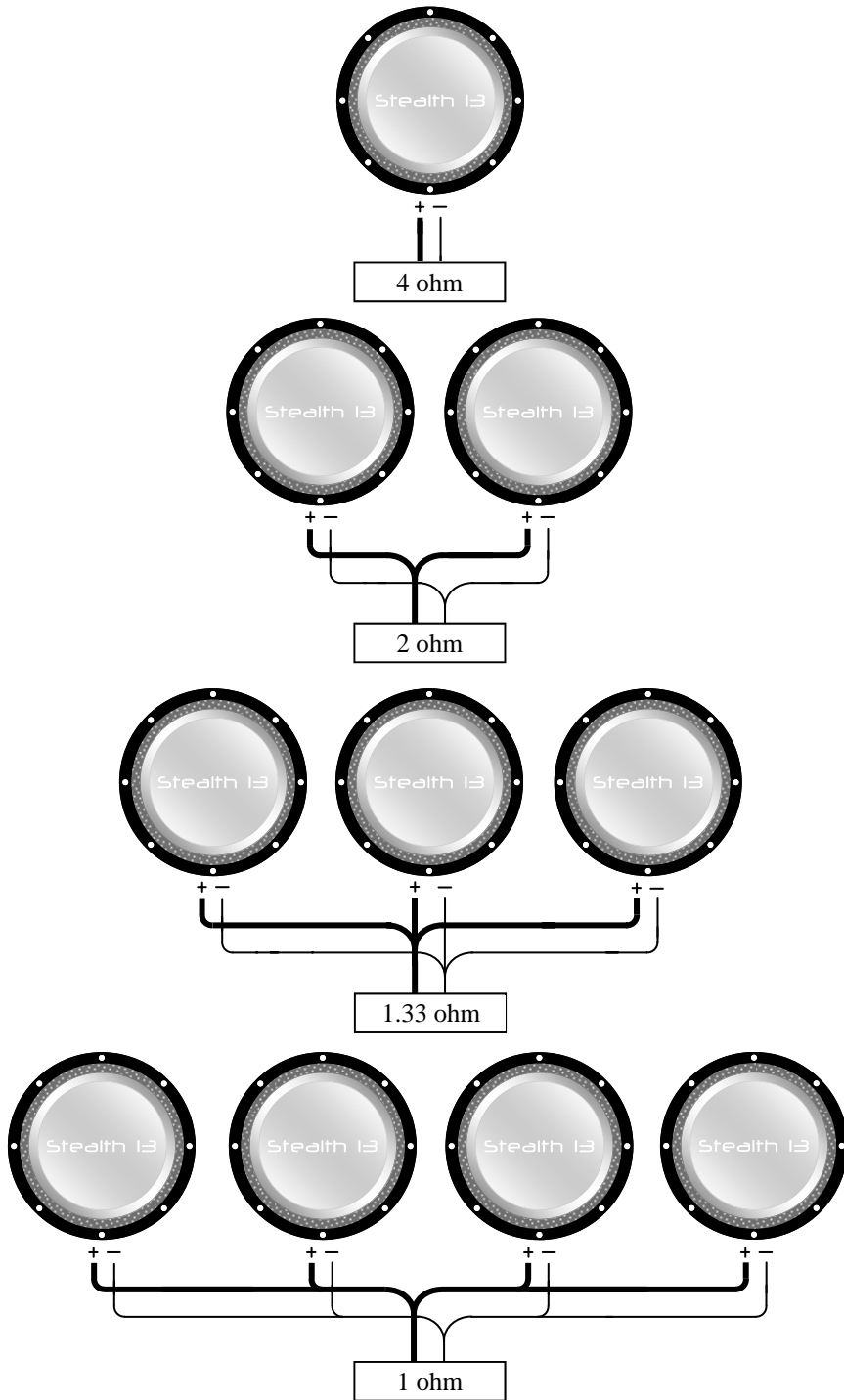


Stealth 13"



Parameters & Enclosure
Recommendations

Congratulations on your new SoundStream subwoofer purchase! We greatly appreciate your business. This may look like a run-of-the-mill cardboard box, but it's actually a protective barrier over one of the finest engineered and assembled subwoofers available!

Harmonic Indulgence... Listen and Feel

Features, Parameters & Dimensions

Custom Cast Aluminum Basket
Inverted Motor Assembly
Solid Aluminum Cone
2" Mounting Depth

5" Voice Coil
12 ga. Direct Wire Terminal
Aluminum Voice Coil Former
Semi-Circular Basket Venting

Parameter	Stealth-13
Fs (Hz)	30.2
Qms	1.92
Vas (Ft³)	1.49
Cms (mm/N)	.0977
Mms (g)	282
Rms (kg/s)	28.9
Xmax (mm)	6
Xmech (mm)	9
Piston Diameter (in)	10.43
Sd (in²)	85.49
Qes	1.52
Re (Ω)	3.6
Z (Ω)	4.00
BL (Tm)	11.27
Rms Power (watts)	200
Qts	.85
1w/1m SPL (dB)	80.8
2.8V SPL (dB)	84.3
Voice Coil	5" SVC 4Ω
M-Vd (ft. ³)	.061
Overall Diameter (in)	13.25
Overall Height (in)	2.5
Mounting Depth (in)	2
Cutout Diameter (in)	11.375
Motor Diameter (in)	9.375
Motor Height (in)	1.25
Flange Width (in)	.875
Flange Height (in)	.625
Weight (lbs)	9.5

Engineering Concepts

The concept behind the STEALTH 13 was not only to have the shallowest subwoofer on the market, but to also have a driver uniquely engineered to perform superior to all other drivers, in less space than all other drivers. A typical 10" subwoofer yields a -3dB down-point (F3) of 55Hz-ish in 1/2 cubic foot/14 liters. A typical 12" may have an F3 at 48Hz -50Hz in 3/4 cubic foot/21 liters. The STEALTH 13 will yield an F3 of 44Hz in 1/2 cubic foot/14 liters! While the driver is not intended for SPL use and excessive bass amplitudes, it is in a category all by itself. It is shallower than any driver on the market. It plays lower than any similar size driver, in the same enclosure, on the market. This is a great engineering achievement and can definitely be appreciated by people with convertibles or other topless vehicles that cannot get any low bass without transfer function. And it sound phenomenal – taut, smooth and tonally accurate. For even more bottom end extension, the STEALTH 13 can be installed into an enclosure up to 1 cubic foot.

Enclosure Construction

Typical subwoofer enclosures are made of 3/4" /19mm MDF. Building an enclosure for this driver may be quite tricky. For instance, if it's going behind the seat of truck, the enclosure may have to be fabricated out of fiberglass. If this is the case, please use proper bracing on the largest sides to eliminate flexing and sacrificing the sound. If the driver is going to be put into an MDF enclosure, the size will be so small that 3/4" MDF may not be required. It is okay to use 1/2" /13mm or 5/8" /16mm MDF. For optimum results, coat the inside walls with Fiberglass resin to seal the wood. Also, use bracing wherever necessary to eliminate flexing. Simple pieces of 2x2 can make all the difference in the world. There are a lot of myths and thoughts regarding the use of Poly-fill within the enclosure. Simply put, using Poly-fill in the enclosure will improve the quality of sound reproduction and we strongly suggest you do so.

Enclosure Recommendations

Stealth-13			
	Vol. (ft. ³)	Qtc	Freq. (Hz)
Min	0.5	1.6	44.3
Opt	0.75	1.4	38.5
Max	1	1.3	35.5

The STEALTH is NOT recommended for use in a ported enclosure!!!