

# SOUNDSTREAM®

T E C H N O L O G I E S



X3-122

X3-152

X3-182

Woofer & Enclosure Information



Congratulations on your new Soundstream sub-woofer 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 sub-woofers available.

*Harmonic Indulgence... Listen and Feel*

## Features, Parameters, & Dimensions

Coated Pulp Paper Cone  
Asymmetrical S-Block Foam Surround  
CCAW Voice Coil on Aluminum Former  
8ga Duplex Direct Wire Terminals  
Triple Nomex Spider

Cast Aluminum Basket w/ Texture Finish  
Voice Coil Perimeter Cooling  
Vented Back Plate  
High BL Motor Assembly  
Glue-less Re-Cone Kit Available

Specifications	X3-122	X3-152	X3-182
Fs (Hz)	39.55	35.96	32.68
Qms	7.017	5.435	5.456
Vas (ft <sup>3</sup> )	0.503	1.378	2.401
Cms (mm/N)	0.536	0.515	0.516
Mms (g)	303.4	284.7	461.6
Xmax (mm)	20.00	20.00	20.00
Xmech (mm)	40.00	40.00	40.00
Piston Diameter (in)	9.252	12.01	13.78
Sd (in <sup>2</sup> )	67.23	113.20	149.10
Qes	0.657	0.456	0.454
Re (Ω)	3.89	3.88	3.83
Z (Ω)	4	4	4
BL (Tm)	21.12	27.19	28.27
BurpPower DCV (W)	95V (9,000)	100V (10,000)	105V (11,000)
Rms Power DCV & W	71V (5,000)	77V (6,000)	84V (7,000)
Qts	0.601	0.420	0.419
NO (%)	0.130	0.384	0.507
1w/1m SPL (dB)	83.15	87.85	89.00
Voice Coil Diameter (in)	4.00"	4.00"	4.00"
Impedance (Ω)	DVC 2Ω	DVC 2Ω	DVC 2Ω
M-vd (ft. <sup>3</sup> )	0.265	0.406	0.543
Overall Diameter (in)	12.75"	15.75"	19.00"
Overall Height (in)	8.50"	9.75"	11.125"
Mounting Depth (in)	7.625"	8.625"	10.00"
Cutout Diameter (in)	11.125"	14.125"	16.875"
Flange Width (in)	0.75"	0.75"	0.75"
Flange Height (in)	1.00"	1.00"	1.00"
Weight (lbs)	50	65	65

## Enclosure Dimensions

Soundstream does not provide enclosure dimensions as there are infinite variables when designing a box, i.e. vehicle, amplifier, music preferences, etc... For designs tailored to your specific needs, please contact us at [tech-support@soundstream.com](mailto:tech-support@soundstream.com), or 1-800-724-1377.

## Enclosure Construction

All enclosures should be made of .75" (3/4") material only. When possible, make the baffle 1.5" (1 1/2) 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.

## Enclosure Recommendations

X3-122 Hi-Tuned				
	Ft. <sup>3</sup>	Round Port	FB	F3
Min.	2.00	(2) 4" x 14"	50.1	38.0
Opt.	3.00	(3) 4" x 12.25"	50.2	37.8
Max.	4.00	(3) 4" x 6.75"	50.2	37.8

X3-122 Low-Tuned				
	Ft. <sup>3</sup>	Round Port	FB	F3
Min.	2.50	(3) 3" x 14.75"	39.9	31.6
Opt.	3.50	(3) 3" x 12.50"	34.8	28.2
Max.	4.50	(2) 4" x 15.5"	29.9	25.0

X3-152 Hi-Tuned				
	Ft. <sup>3</sup>	Round Port	FB	F3
Min.	3.00	(2) 4" x 6.5"	50.3	40.6
Opt.	4.50	(3) 4" x 5.5"	50.2	40.1
Max.	6.00	(4) 4" x 4.75"	50.5	40.0

X3-152 Low-Tuned				
	Ft. <sup>3</sup>	Round Port	FB	F3
Min.	3.00	(2) 4" x 14"	40.0	34.0
Opt.	4.50	(2) 4" x 10.25"	34.9	29.9
Max.	6.00	(3) 4" x 18.25"	29.9	26.2

X3-182 Hi-Tuned				
	Ft. <sup>3</sup>	Round Port	FB	F3
Min.	4.00	(4) 4" x 12.75"	50.2	40.5
Opt.	6.00	(3) 6" x 12"	50.1	39.7
Max.	8.00	(4) 6" x 10.75"	50.1	39.4

X3-182 Low-Tuned				
	Ft. <sup>3</sup>	Round Port	FB	F3
Min.	4.00	(3) 4" x 16.5"	40.0	34.0
Opt.	6.00	(2) 6" x 20.75"	34.9	29.9
Max.	8.00	(2) 6" x 19.5"	30.0	26.2

