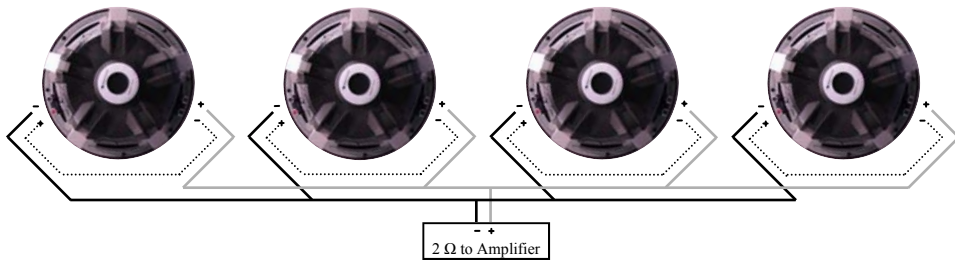
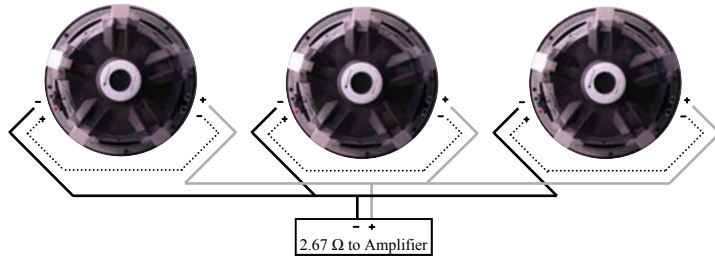
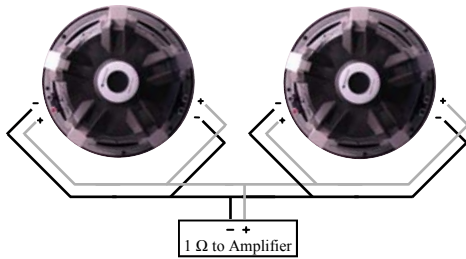
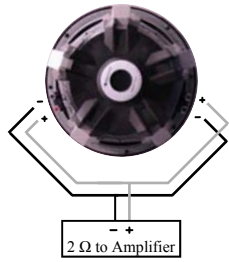


Rubicon

RBW
10 - 12 - 15



Specifications & Enclosure
Recommendations



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

Polypropylene Injection Molded Cone
NBR-Rubber Surround
8 ga. Compression Wire Terminal
Conex/Cotton Composite Spider

Texture Coat Finish
Stamped Steel Basket
Suspension Integrated Tinsel Leads
Vented Back Plate

series wired	RBW-10	RBW-12	RBW-15
Fs (Hz)	33.86	29.93	24.72
Qms	5.495	7.261	8.376
Vas (ft³)	1.086	2.073	6.299
Cms (mm/N)	0.211	0.179	0.182
Mms (g)	104.5	157.6	227.3
Rms (kg/s)	1.046	4.082	4.215
Xmax (mm)	11.10	10.50	11.75
Xmech (mm)	16.65	15.75	17.63
Piston Diameter (in)	8.069	9.732	12.800
Sd (in²)	52.00	75.00	129.00
Qes	0.597	0.838	0.873
Re (Ω)	7.2	7.2	7.2
Z (Ω)	8	8	8
BL (Tm)	16.37	15.96	17.06
Rms Power (watts)	450	550	650
Qts	0.539	0.751	0.794
NO (%)	0.193	0.182	0.299
Iw/1m SPL (dB)	84.80	84.61	86.77
2.8V SPL (dB)	85.46	85.21	87.36
Voice Coil Diameter (in)	2.00"	2.50"	2.50"
Impedance (Ω)	DVC 4	DVC 4	DVC 4
M-vd (ft.³)	0.100	0.125	0.150
Overall Diameter (in)	10.50"	12.625"	15.75"
Overall Height (in)	6.375"	7.125"	9"
Mounting Depth (in)	5.75"	6.50"	8.125"
Cutout Diameter (in)	9.25"	11.125"	14"
Flange Width (in)	0.75"	0.75"	0.875"
Flange Height (in)	0.625"	0.75"	.75"
Weight (lbs)	9.3	12.8	16.9

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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, 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. Please see last page for woofer wiring diagrams.

Enclosure Recommendations

	RBW-10 Ported			RBW-12 Ported			RBW-15 Ported		
	Cubic Feet	Port Diameter	FB/F3 (Hz)	Cubic Feet	Port Diameter	FB/F3 (Hz)	Cubic Feet	Port Diameter	FB/F3 (Hz)
Min.	1.25	3" x 12"	38/33	2.00	4" x 12"	36/31	3.00	(2) 3" x 13.75"	30/33
Opt.	1.50	3" x 12"	34/30	2.50	4" x 12"	32/27	4.00	(2) 3" x 8.75"	30/29
Max.	1.75	3" x 12"	31/28	3.00	4" x 12"	29/25	5.00	(2) 4" x 13"	30/27

	RBW-10 Sealed			RBW-12 Sealed			RBW-15 Sealed		
	Cubic Feet	QTC	Tuning (Hz)	Cubic Feet	QTC	Tuning (Hz)	Cubic Feet	QTC	Tuning (Hz)
Min.	0.50	0.978	51.88	1.00	1.273	39.97	1.75	1.618	38.78
Opt.	0.75	0.837	48.11	1.25	1.176	37.51	2.25	1.459	35.32
Max.	1.00	0.764	46.90	1.50	1.108	35.90	2.75	1.351	33.09

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