



SOUNDSTREAM

2013

**REFERENCE
SUBWOOFERS**

R3.8 R3.10 R3.12 R3.15

Thank you for choosing **SOUNDSTREAM** woofers. Designed and engineered in the USA, this product combines innovative technology with the finest materials to consistently deliver Absolutely State of the Art performance, sound quality, reliability, and value. This **SOUNDSTREAM** product reflects our commitment to offer you unparalleled performance and quality for years of dependable service and listening enjoyment.

Features, Parameters, & Dimensions

Pressed Paper Pulp Cone
High Roll Foam Surround
2.5" 4-layer VC on Aluminum Former
Nickel Plated 8ga. Compression Terminals

Poly-Cotton Suspension Spider
Vented T-Yoke Back-plate
Woven Fiber Dust Cap
Textured Basket with Voice Coil Cooling

	R3-8	R3-10	R3-12	R3-15
IMPEDANCE	DUAL 2OHM	DUAL 2OHM	DUAL 2OHM	DUAL 2OHM
RE	2.2122	2.1802	2.1672	2.2146
Fs (Hz)	39.0485	34.58	33.72	31.38
QES	1.3713	1.2530	1.1741	1.3086
QMS	7.1915	7.3411	6.2245	5.3272
QTS	1.1517	1.0703	0.9878	1.0505
LE (mH)	0.9283	1.0274	0.9794	1.0310
DIAM	8INCH	10INCH	12INCH	15INCH
SD	50.2655 IN ²	78.5398 IN ²	113.097 IN ²	176.7146 IN ²
VAS	18.3920	33.3893	59.8989	296.8294
BL	7.3081	9.3526	10.4883	7.3069
MMS	134.9398	231.3417	281.2842	160.0019
SEN	80.77	82.17	84.66	90.20
RMS/MAX	700/1000	1000/1200	1200/2500	1400/3000
CUTOUT D.	7.8INCH	9.6INCH	11.6INCH	14.5INCH
MOUNT D.	5.25INCH	6INCH	6 7/8 INCH	7 5/8 INCH

Enclosure Dimensions

Included in this manual are a number of different enclosure suggestions. These are by no means the only enclosures to use, but they provide a starting point to determine the correct enclosure for your needs many factors must be addressed (amount of power, vehicle, placement, crossovers, etc) Therefore, as always, **SOUNDSTREAM** recommends that your subwoofer be installed by an authorized **SOUNDSTREAM** dealer.

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

SEALED	R3-8	R3-10	R3-12	R3-15
MIN	.50 CU FT.	.75 CU FT.	1.0 CU FT.	1.5 CU FT.
OPTIMUM	.75 CU FT.	1.0 CU FT.	1.5 CU FT.	2.75 CU FT.
PORTED				
MIN	1.0 CU FT.	1.0 CU FT.	1.5 CU FT.	2.0 CU FT.
PORT WxL	3" X 7"	3"X5.5"	4"X5"	5"X7.8"
F3 (Hz)	35	34	38	30
OPTIMUM	1.25 CU FT.	1.5 CU FT.	2.25 CU FT.	2.75 CU FT.
PORT WxL	4" X 6.7"	4" X 6"	6" X 7"	6" X 7"
F3 (Hz)	33	32	34	28