



**STREET
BASS
SELENIUM**

12W1A / 15W1A

In response to a number of request for street sound with excellent sound quality, strong bass and high SPL, Selenium launches an innovate product in car audio: Street Bass.

Street Bass features a set of parameters based on its application purpose, which make it unique in its category.

- 12" 250 W RMS and 500 W MAX sensitivity 94 dB SPL 4 ohms.

- 15" 300 W RMS and 600 W MAX sensitivity 95 dB SPL 4 ohms.

The high sensitivity of Street Bass line speakers allows the car audio system to reproduce high SPL using amplifiers with power from 200 to 300 W RMS, which are easily available in the market at reasonable cost. Even using booster-type amplifier, the return will be different from other speakers currently available in the market.

- Basket: its steel basket has gained a new, sturdier design with epoxy paint finishing, which provides the speaker with great mechanical resistance and high structural stiffness.

- Cone: its long pulp fiber features special and innovative texture which provides less distortion and greater linearity in frequency response. In addition, a special treatment with high resistance resin protects the loudspeaker from the effects of intense light and excessive dust and humidity.

- Suspension: its suspension has no mechanical brakes and is distortion-free.



12W1A

15W1A

TECHNICAL SPECIFICATIONS	12W1A	15W1A
Nominal diameter mm (in)	305 (12)	381 (15)
Nominal impedance	4	4
Power handling		
MAX ¹ W	500	600
RMS ² W	250	300
Sensitivity (1W@1m) dB SPL	94	95
Frequency response @ -10 dB Hz	35 to 4,000	35 to 4,000
Volume displaced by woofer l (ft ³)	2.0 (0.071)	3.6 (0.127)
Magnet weight g (oz)	1,600 (56.44)	2,035 (71.78)
Voice coil diameter mm (in)	60 (2.4)	60 (2.4)
Net weight g (lb)	5,465 (12.05)	6,170 (13.60)

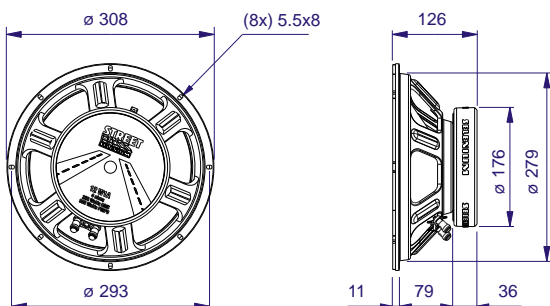
¹ Power handling specifications refer to normal speech and/or music program material, reproduced by an amplifier producing no more than 5% distortion. Power is calculated as true RMS voltage squared divided by the nominal impedance of the loudspeaker.

² Brazilian Standard NBR 10.303, with pink noise during 2 hours uninterrupted.

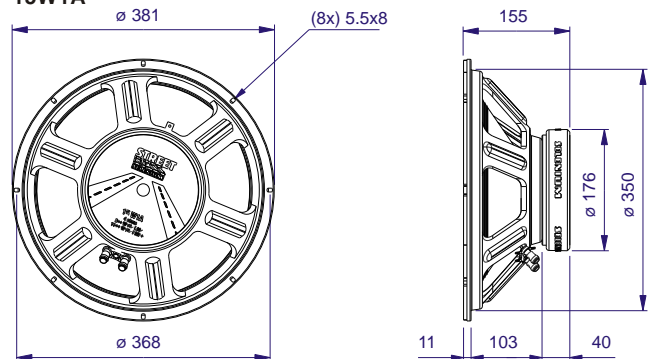
THIELE-SMALL PARAMETERS	12W1A	15W1A
Fs H z	34	39
Re	3.1	3.1
Qms	6.00	10.21
Qes	0.49	0.76
Qts	0.45	0.71
Vas l (ft ³)	144 (5.08)	204 (7.20)
Ref Eff %	1.48	1.52
Sd m ² (in ²)	0.0556 (86.2)	0.0954 (147.9)
Vd cm ³ (in ³)	208.38 (12.72)	357.75 (21.83)
Xmax mm (in)	3.75 (0.15)	3.75 (0.15)
l T.m	9.5	10.5

A variation of ±15% is allowed.

12W1A



15W1A



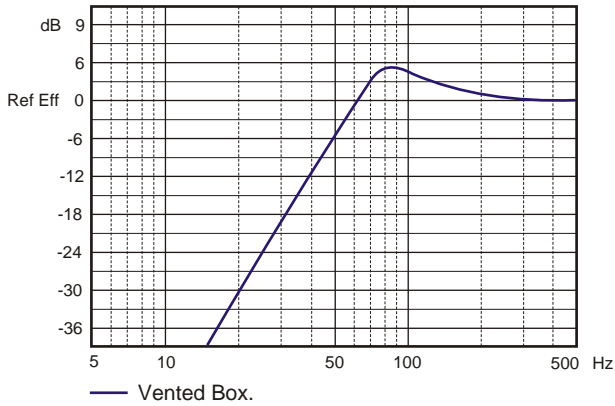
Dimensions in mm.



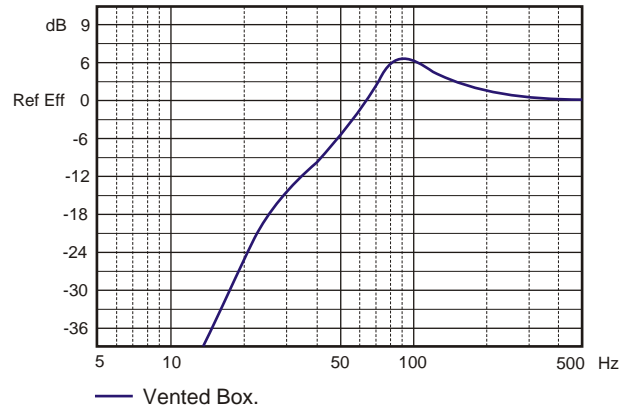
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12W1A / 15W1A

12W1A SOFTWARE SIMULATED RESPONSE CURVE



15W1A SOFTWARE SIMULATED RESPONSE CURVE



SUGGESTED ENCLOSURES

MODELS	CLOSED BOX		VENTED BOX		
	Internal Volume (liters)	Internal Volume (liters)	Duct (s)		
			Qty	Diam. x Length (cm)	
12W1A	---	54	2	7.5 x 5	
15W1A	---	82	2	10 x 10	

The suggested enclosure volumes are related to only one speaker, including woofer and duct(s) displaced volume.

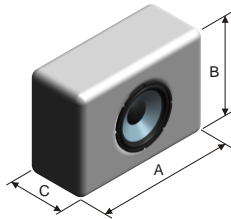
For enclosure with more than one speaker, it is necessary to multiply the suggested volume and duct(s) by the quantity of speakers and build them with separated chambers (internal division).

ENCLOSURES INTERNAL VOLUME CALCULATION INSTRUCTIONS

RECTANGULAR BOX

$$\text{Internal Volume} = \frac{A \times B \times C}{1000}$$

A, B and C are internal dimensions (in cm). The internal volume result is given in liters.



TRAPEZOID RECTANGULAR BOX

$$\text{Internal Volume} = \frac{A \times B \times \left(\frac{C+D}{2}\right)}{1000}$$

A, B, C and D are internal dimensions (in cm). The internal volume result is given in liters.

