In response to a number of request for street sound with excellent sound quality, strong bass and high SPL, Selenium lauches 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.

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 degign with epoxy paint finishing, which provides the speaker with great mechanical resistance and high strutural stiffness.
- Cone: its long pulp fiber features special and innovative texture which provides lees 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.

12W2A SILVER   **12W2A ONIX**

12W2A SILVER   **15W2A ONIX**

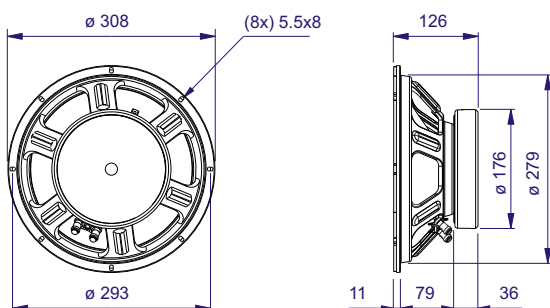| TECHNICAL SPECIFICATIONS	12W2A	15W2A
Nominal diameter . . . . mm (in)	305 (12)	381 (15)
Nominal impedance . . . . Ω	4	4
Power handling		
MAX[1] . . . . W	500	600
RMS[2] . . . . W	250	300
Sensitivity (1W@1m) . . . . dB SPL	94	95
Frequency response @ -10 dB . . . . Hz	35 to 4,000	35 to 4,000
Volume displaced by woofer . . . . l (ft³)	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)	6,200 (13.66)

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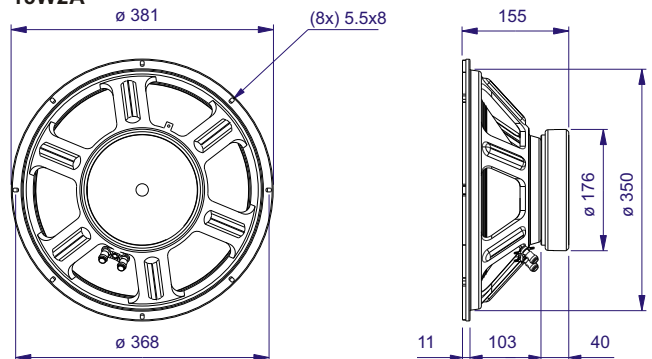[2] Brazilian Standard NBR 10.303, with pink noise during 2 hours uninterrupted.

THIELE-SMALL PARAMETERS	12W2A	15W2A
Fs . . . . Hz	30	36
Re . . . . Ω	3.3	3.3
Qms	11.09	13.47
Qes	0.50	0.78
Qts	0.46	0.74
Vas . . . . l (ft³)	164 (5.78)	232 (8.85)
Ref Eff . . . . %	1.48	1.9
Sd . . . . m² (in²)	0.0556 (86.2)	0.0954 (147.9)
Vd . . . . cm³ (in³)	208.38 (12.72)	357.75 (21.83)
Xmax . . . . mm (in)	3.75 (0.15)	3.75 (0.15)
βl . . . . T.m	9.5	10.5

A variation of ± 15% is allowed.

12W2A

ø 308   (8x) 5.5x8   126
ø 176   ø 279
ø 293
11   79   36

15W2A

ø 381   (8x) 5.5x8   155
ø 176   ø 350
ø 368
11   103   40

Dimensions in mm.

12W2A
SOFTWARE SIMULATED RESPONSE CURVE
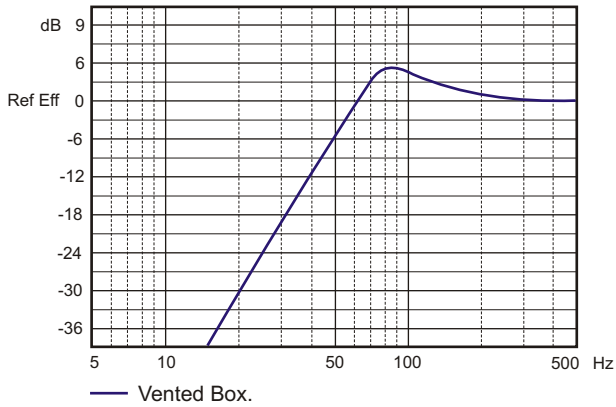
— Vented Box.

15W2A
SOFTWARE SIMULATED RESPONSE CURVE
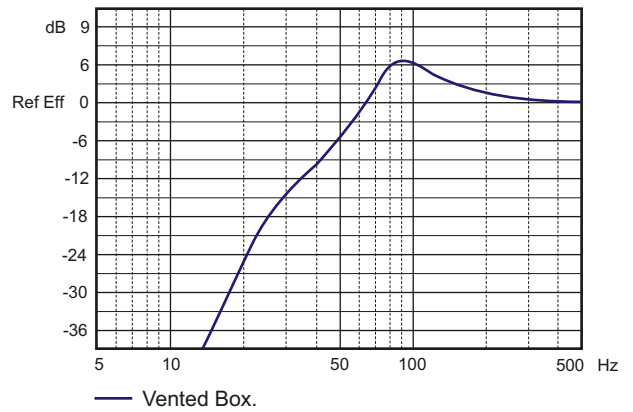
— Vented Box.

SUGGESTED ENCLOSURES

MODELS	CLOSED BOX Internal Volume (liters)	VENTED BOX Internal Volume (liters)	Duct (s) Qty	Duct (s) Diam. x Lenght (cm)
12W2A	---	54	2	7.5 x 5
15W2A	---	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

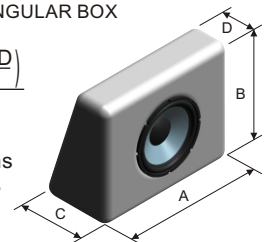$$\text{Internal Volume} = \frac{A \times B \times C}{1000}$$

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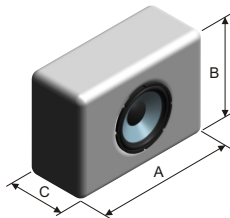
TRAPEZOID RECTANGULAR BOX

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

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