



SELENIUM BASS

6MB11A / 8SW11A / 10SW11A / 12SW11A 10SW11A-DVC / 12SW11A-DVC

The subwoofers 8" (4 Ohms), 10" and 12" (4 or 4+4 ohms) impedance and 120, 200 and 250W RMS, respective powers. Specially designed to reproduce the frequencies extremely low situated at the audible spectrum limit, making them the best choice for the reproduction of the deep bass range on automotive systems. The midbass 6" low profile, specially designed to reproduce the midbass frequencies from 60 Hz, the midbass 6" has 4 ohms impedance and 70W RMS.

Line Bass characteristics:

- The cone is made of metallic silver injected polypropylene.
- Dust cap with innovative appearance.
- The surround is made of a modern ITR technology (Injected Thermoplastic Rubber) offering high compliance and resilience, specially developed to damp the standing waves.
- The reinforced steel frame provides the subwoofers with higher structural rigidity and has epoxy finishing.
- A plastic ring covers the magnetic assembly giving the product an excellent look and mechanical structure.
- The spider is made of impregnated Polycotton fiber, specially developed for this application, providing the moving system with the necessary stiffness to properly control cone excursion and minimize distortion.



6MB11A



8SW11A



10SW11A
10SW11A-DVC



12SW11A
12SW11A-DVC

TECHNICAL SPECIFICATIONS	6MB11A	8SW11A	10SW11A	12SW11A	10SW11A-DVC	12SW11A-DVC
Nominal diameter mm (in)	152 (6)	204 (8)	254 (10)	305 (12)	254 (10)	305 (12)
Nominal impedance Ω	4	4	4	4	4+4	4+4
Power handling						
MAX ¹ W	140	240	400	500	200+200	250+250
RMS (NBR 10.303) ² W	70	120	200	250	100+100	125+125
Sensitivity (1W@1m) dB SPL	88	87	87	88	87	87
Frequency response @ -10 dB Hz	60 to 5,000	40 to 2,000	45 to 3,000	35 to 2,500	35 to 3,000	35 to 2,500
Volume displaced by woofer l (ft ³)	0.6(0.021)	0.8 (0.028)	1.3 (0.046)	2.2 (0.078)	1.3(0.046)	2.2 (0.078)
Magnet weight g (oz)	340(12)	620 (21.87)	920 (32.45)	1,240 (43.74)	920 (32.45)	1,240 (43.74)
Voice coil diameter mm (in)	31.7(1.25)	38 (1.5)	38 (1.5)	46 (1.81)	38 (1.5)	46 (1.81)
Net weight g (lb)	860(1.89)	1,920 (4.22)	3,230 (7.12)	4,200 (9.26)	3,230 (7.12)	4,200 (9.26)

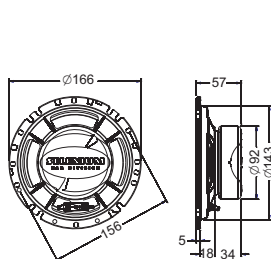
¹Power handling specifications refer to normal speech and/or music program, reproduced by an amplifier producing no more than 5% distortion. Power is calculated as true RMS voltage squared divided by the nominal impedance of the loudspeaker.

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

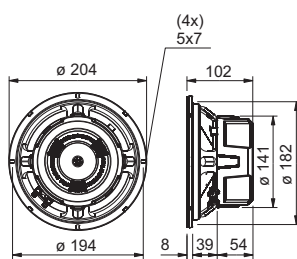
THIELE-SMALL PARAMETERS	6MB11A	8SW11A	10SW11A	12SW11A	10SW11A-DVC	12SW11A-DVC
Fs Hz	77	35	38	36	35	34
Re Ω	3.7	3.2	3.6	3.7	1.8	1.8
Qms	5.0	9.46	13.28	12.96	13.59	12.89
Qes	1.9	0.62	1.15	1.06	0.71	0.65
Qts	1.4	0.59	1.06	0.98	0.67	0.61
Vas l (ft ³)	10.4(0.36)	53(1.88)	50.51 (1.77)	66 (2.32)	52 (1.83)	67(2.36)
Ref Eff %	0.3	0.36	0.23	0.28	0.32	0.41
Sd m ² (in ²)	0.014(21.7)	0.022 (34.1)	0.035 (54.3)	0.052 (80.6)	0.035 (54.3)	0.052 (80.6)
Vd cm ³ (in ³)	24.5(1.49)	77.9 (4.75)	140 (8.54)	312.0 (19.0)	155.8 (9.51)	312.0(19.0)
Xmax mm (in)	1.75(0.07)	3.5 (0.14)	4.5 (0.18)	6.0 (0.23)	4.5 (0.18)	6.0 (0.23)
βl T.m	3.5	8.1	6.76	9.4	6.1	8.6

A variation of ± 20% is allowed.

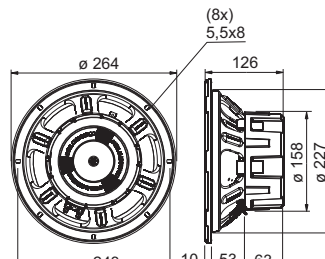
6MB11A



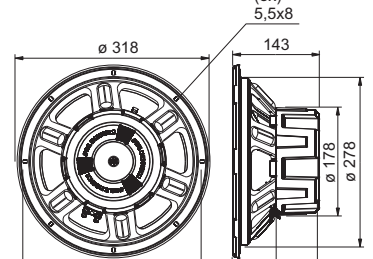
8SW11A



10SW11A / 10SW11A-DVC



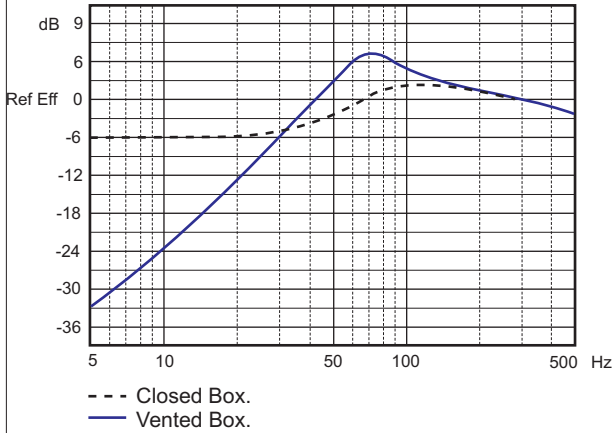
12SW11A / 12SW11A-DVC



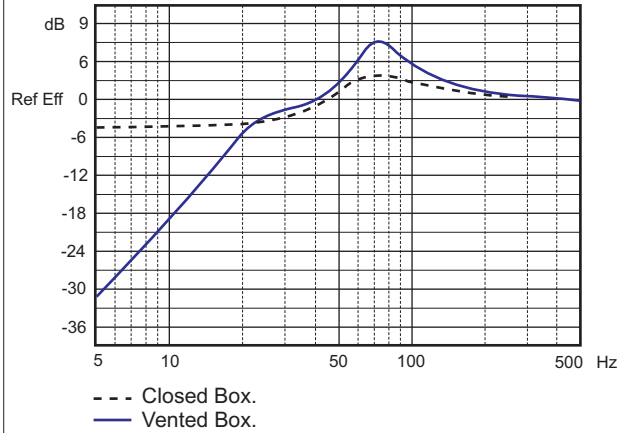
Dimensões em mm.



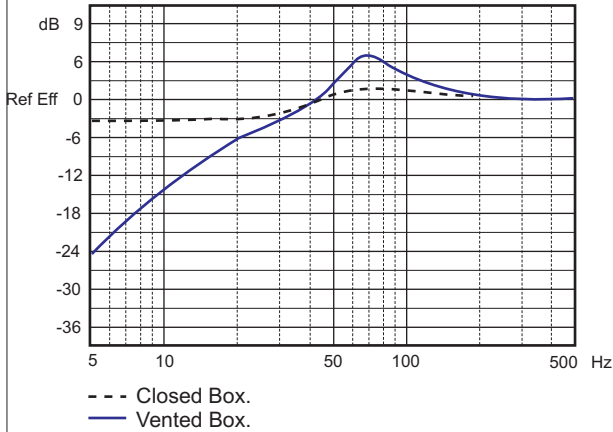
8SW11A SOFTWARE SIMULATED RESPONSE CURVES



10SW11A / 10SW11A-DVC SOFTWARE SIMULATED RESPONSE CURVES



12SW11A / 12SW11A-DVC SOFTWARE SIMULATED RESPONSE CURVES



SUGGESTED ENCLOSURES

MODELS	CLOSED BOX	VENTED BOX		
	Internal Volume (liters)	Internal Volume (liters)	Duct (s)	
			Qty	Diam. x length (cm)
8"	11	22	1	7.5 x 15
10"	27	32	1	7.5 x 12
12"	38	46	2	7.5 x 25

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

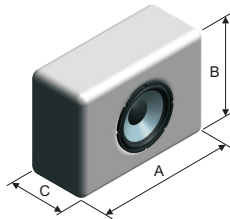
For enclosure with more than one speaker, it is necessary to multiply the suggested volume and duct(s) by the quantity of speakers and build them with separated chambers (internal division).

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.

