

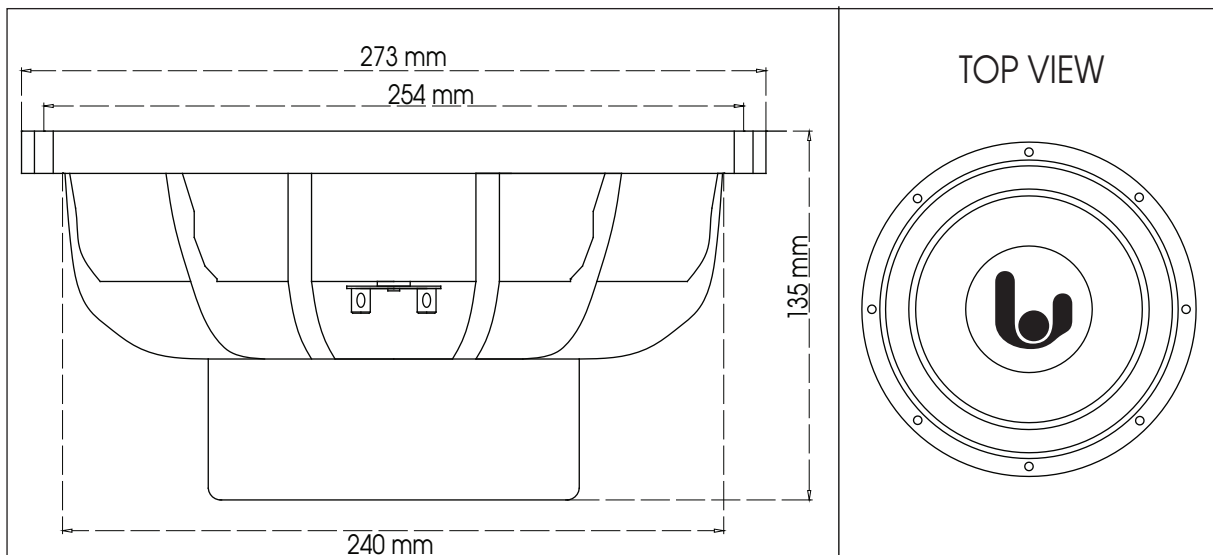


s i n f o n i

S 1000 SW

Information Sheet

The Sinfoni subwoofer S1200SW has a very compact design, able of optimal performances and increased pressure levels. The selection of materials has been very carefull in order to reach the searched results: very versatile subwoofer, adaptable to every kind of install. The basket was chosen because of the very robust and special geometrical conformation. The openings located on the bottom of the basket allow for best heat exchange of the voice coil, avoiding so compressions below the spider, conferring to the speaker more dinamic. The moving equipment is made of a 65mm diameter voice coil, on aluminium frame, additionally cooled by the 8 holes present on the bottom, between the spider and the windings. High quality copper wire, insulation class higher than 220 C, for the windings. Same care for the magnet field creation, two, low carbon value, iron polar layers, a very precise airgap, in addition to the two very robust magnets; all for an increased control of the moving equipment. A personal touch is given through a very elegant brushed aluminium cap, typical for the Sinfoni products.



ELECTRICAL CHARACTERISTICS

Nominal Impedance	4 Ohm
Power RMS	400 W
Nominal Voice Coil Diameter	65 mm
Sensitivity 1W, 1m	89 dB
Freq-resp	
Fs	31 Hz

CONSTRUCTIVE CHARACTERISTICS

Magnet	ferrite
Cone	paper
Surround	rubber
Dust Cap	paper
Voice Coil Winding	copper
Voice Coil Support	aluminium
Frame	aluminium



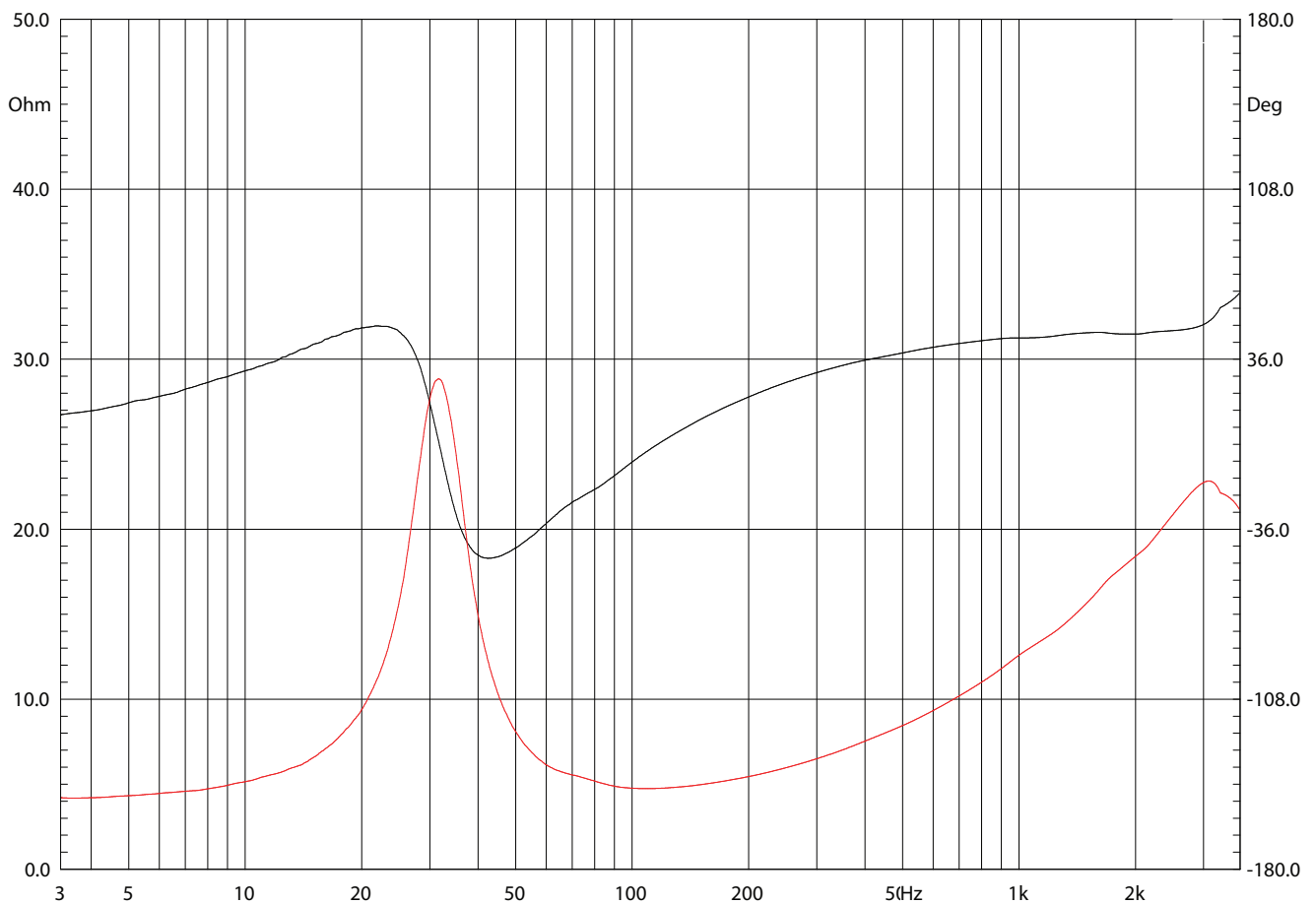
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F_S	31.5260 Hz	V_{AS}	49.8274 L	R_E	4.1600 Ω
Q_{MS}	4.4717	Q_{ES}	0.6505	Q_{TS}	0.5679
B_l	10.8192 T m	dB_{SPL}	85.8253	S_D	0.0360 m ²
C_{MS}	0.2758 mm/N	M_{MS}	92.3991 g	R_{MS}	4.0930 Ω_M
C_{AS}	3.57E-0007 m ⁵ /N	M_{AS}	71.42 kg/m ⁴	R_{AS}	3164 Ω_A
C_{MES}	789.3576 μ F	L_{CES}	32.2871 mH	R_{ES}	28.5989 Ω
R_{AT}	24914 Ω_A	R_{MT}	32.2315 Ω_M	M_{MD}	88.5382 g
Z_{MIN}	4.6618 Ω	Z_{MAX}	32.7589 Ω	Z_{AVG}	9.9510 Ω
η_0	0.2304 %	L_{1kHz}	1.4211 mH	L_{10kHz}	0.0000 mH

Impedance





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Bass reflex enclosure details.

		Classic Tube		Airport Tube	
Tun. Freq.	Enclosure	Diameter	Length	Diameter	Length
36 Hz	32 Liter	7,6 cm	27 cm	7,6 cm	19,5 cm
35 Hz	35 Liter	7,6 cm	26 cm	7,6 cm	18 cm

Closed box enclosure details.

Fs Freq.	Enclosure	Ripple	F -3dB
61 Hz	18 Liter	1.1	46 Hz
57 Hz	22 Liter	1	44 Hz
53 Hz	26 Liter	0.95	43 Hz