

Mille ML 2500

800 watt

Subwoofer

Technical Specifications

Component		Free Air Subwoofer
Size	mm	250 (10")
Power Handling (Watt)	peak continuous program	800 400
Impedance	Ohm	4
Frequency response	Hz	35-300
Sensitivity	dB/SPL	94
Outer diameter	mm	268
Mounting hole diameter	mm	234
Magnet size	mm	156
Total depth	mm	126
Mounting depth	mm	114,5
Total driver displacement	lit	1,6
Weight of one component	kg	5,45
Voice coil diameter	mm	60
Magnet		High density ferrite
Cone		Water-repellent, non-pressed paper cone

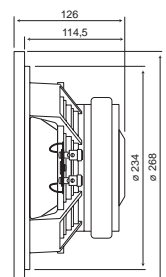
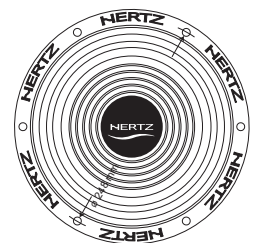
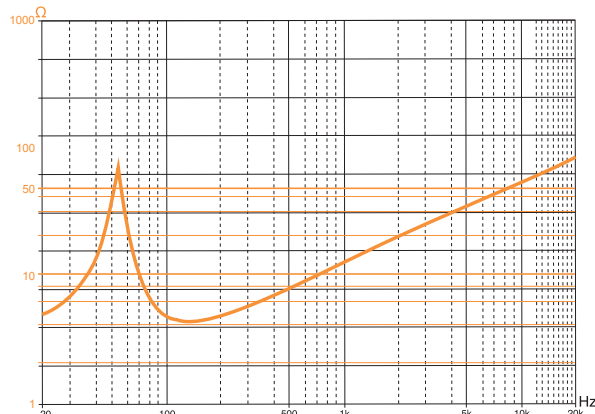
Electro-Acoustic Parameters

D	mm	210
Xmax	mm	8,5
Re	ohm	3,0
Fs	Hz	51,8
Le	mH@1kHz	1,93
Le	mH@10kHz	0,83
Vas	lit	17,30
Mms	gr	85,1
Cms	mm/N	0,11
BL	T-m	12,70
Qts		0,50
Qes		0,53
Qms		11,11
Spl (1m/2,83V)	dB	94



- Mobile voice coil wound on four layers with a special copper-plated aluminium CCAW winding. It insures maximum lightness and thermal and acoustic efficiency.
- DSS® double spider, for mobile voice coil perfect motion linearity.
- The exclusive DDS® spiders have constant compliance when excursion increases, keeping the speaker parameters unchanged even at high powers.
- Double-wave, cloth surround for bursting, full bass.
- Non-pressed paper cone with water-repellent coating.
- Anti-resonant alloy basket protected by an exclusive anti-scratch treatment.
- Forced ventilation circuit with reflex tube for mobile voice coil right cooling and for higher power handling.
- Lowered bottom plate for mobile voice coil very long excursions.
- Central "T" pole, for perfectly symmetric field in the gap.
- Very big magnet for mobile voice coil optimal control.

Impedance

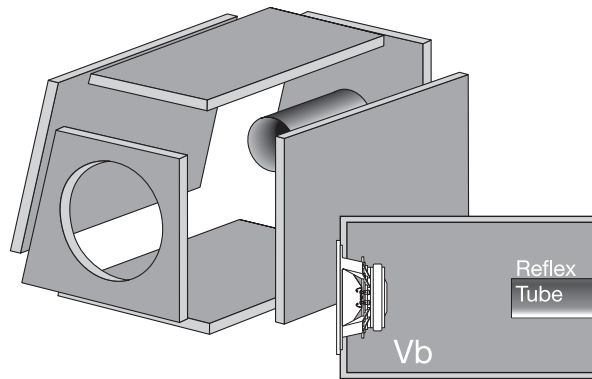


design ML 2500

The speaker overall volume must be taken into account when designing a box: if the driver is mounted with its magnet facing the box inner part, add the volume indicated in the Technical Specifications (Total driver displacement) to total volume calculation.
 The volumes of Reflex, Asymmetric Bandpass and Double Reflex projects include tubes and ports overall dimensions.

Reflex Box

The best compromise between size and performances. It insures powerful, bursting and dynamic bass.

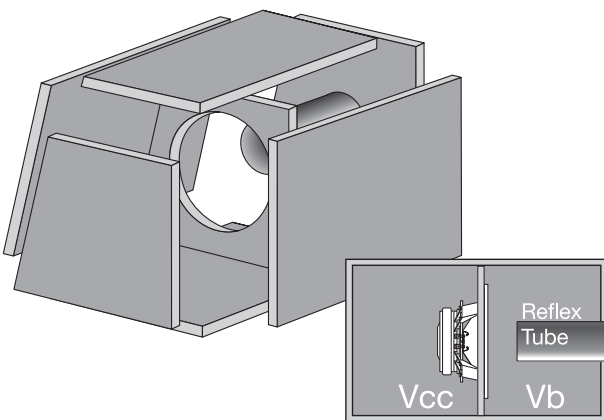
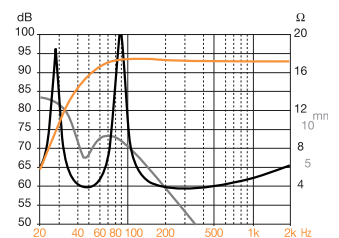


Reflex Box

Vb = 16,5 Lit
Fb = 45 Hz

Reflex Tube

Ø = 62 mm
L = 200 mm



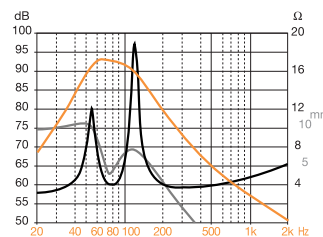
Asymmetric Bandpass

Vcc = 10 Lit

Vb = 12 Lit
Fb = 76 Hz

Reflex Tube

Ø = 82 mm
L = 125 mm

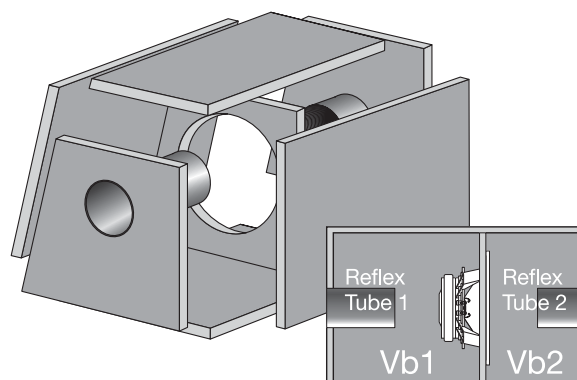


Asymmetric Bandpass

It combines high power handling and fast, clear bass. Suitable to any kinds of music.

Double Reflex

It is more difficult to build and bigger. It is the best solution to get bursting, fast sound. Perfect for techno and disco music.



Double Reflex

Vb1 = 10 Lit

Vb2 = 17 Lit

Fb1 = 90 Hz

Fb2 = 45 Hz

Reflex Tube 1

Reflex Tube 2

Ø = 62 cm²

Ø = 82 cm²

L = 200 mm

L = 145 mm

