

Mille ML 3800 1200 watt

Subwoofer

Technical Specifications

Component		Free Air Subwoofer
Size	mm	380 (15")
Power Handling (Watt)	peak	1200
	continuous program	600
Impedance	Ohm	4
Frequency response	Hz	25-200
Sensitivity	dB/SPL	98
Outer diameter	mm	390
Mounting hole diameter	mm	358
Magnet size	mm	185
Total depth	mm	171
Mounting depth	mm	157,5
Total driver displacement	lit	3,3
Weight of one component	kg	8,15
Voice coil diameter	mm	75
Magnet		High density ferrite
Cone		Water-repellent, non-pressed paper cone

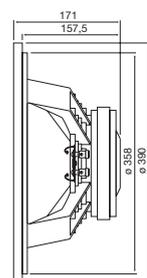
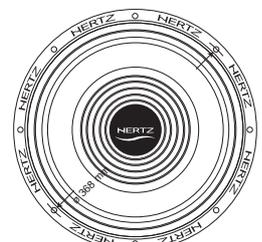
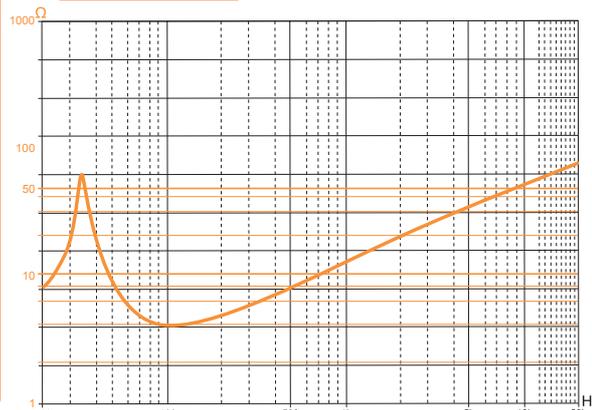


- Mobile voice coil wound on four layers with a special copper-plated aluminium CCAW winding. It insures maximum lightness and thermal and acoustic efficiency.
- DSS® double spider, for mobile voice coil perfect motion linearity.
- The exclusive DDS® spiders have constant compliance when excursion increases, 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.

Electro-Acoustic Parameters

D	mm	325
Xmax	mm	8,5
Re	ohm	2,9
Fs	Hz	32,3
Le	mH@1kHz	2,05
Le	mH@10kHz	0,82
Vas	lit	131,9
Mms	gr	165,9
Cms	mm/N	0,15
BL	T-m	14,68
Qts		0,44
Qes		0,46
Qms		9,13
Spl (1m/2,83V)	dB	98

Impedance

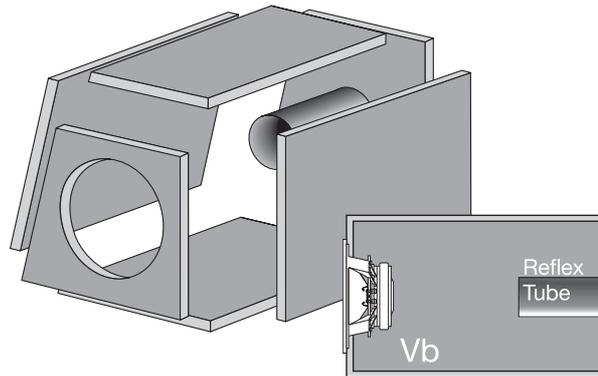


design ML 3800

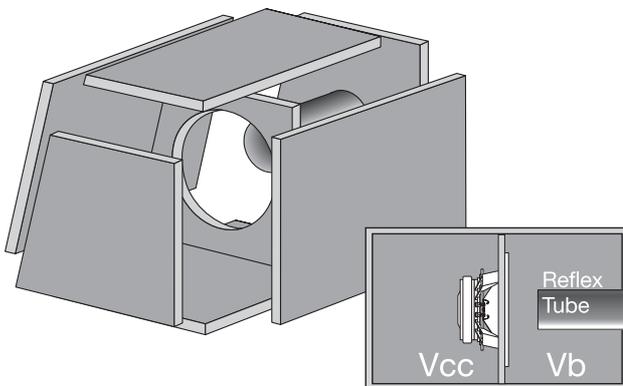
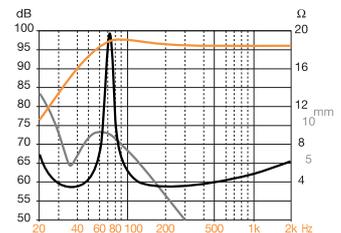
The speaker overall volume must be taken into account when designing a box: if the driver is mounted with its magnet facing the box inner part, add the volume indicated in the Technical Specifications (Total driver displacement) to total volume calculation.
 The volumes of Reflex, Asymmetric Bandpass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

Reflex Box

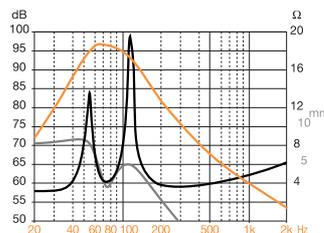
The best compromise between size and performances. It insures powerful, bursting and dynamic bass.



Reflex Box		Reflex Tube	
Vb = 43 Lit	Fb = 35 Hz	Ø = 100 mm	L = 250 mm



Asymmetric Bandpass	
Vcc = 23 Lit	Vb = 35 Lit
Fb = 78 Hz	Reflex Tube
Ø = 2x100 mm	L = 120 mm

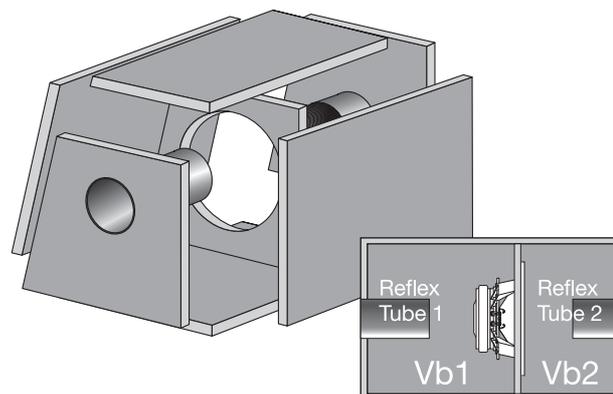


Asymmetric Bandpass

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 = 20 Lit	Vb2 = 38 Lit
Fb1 = 92 Hz	Fb2 = 37 Hz
Reflex Tube 1	Reflex Tube 2
Ø = 2x100 mm	Ø = 100 mm
L = 145 mm	L = 250 mm

