

ML 5400D
2000 watt

Subwoofer

Technical Specifications

Component		Free Air Subwoofer
Size	mm	540 (21")
Power Handling (Watt)	peak continuous program	2000 1000
Impedance	Ohm	2+2
Frequency response	Hz	16-150
Sensitivity	dB/SPL	101
Outer diameter	mm	550
Mounting hole diameter	mm	520
Magnet size	mm	220
Total depth	mm	266
Mounting depth	mm	242
Total driver displacement	lit	12,5
Weight of one component	kg	16,5
Voice coil diameter	mm	100
Magnet		High density ferrite
Cone		Water-repellent, non-pressed paper cone

Electro-Acoustic Parameters

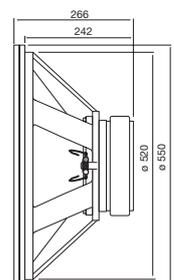
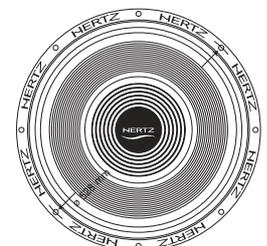
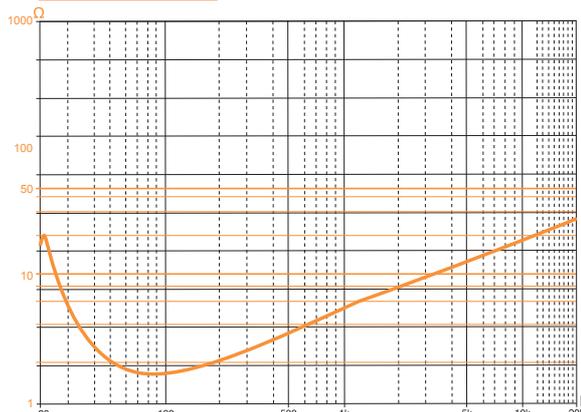
I valori sono forniti con le bobine collegate in parallelo

D	mm	465
Xmax	mm	8,5
Re	ohm	1,1
Fs	Hz	20,7
Le	mH@1kHz	0,86
Le	mH@10kHz	0,30
Vas	lit	613
Mms	gr	387
Cms	mm/N	0,15
BL	T-m	13,34
Qts		0,30
Qes		0,32
Qms		5,73
Spl (1m/2,83V)	dB	101



- 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

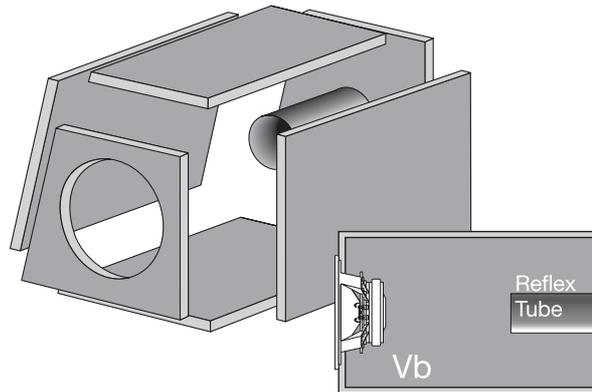


design ML 5400D

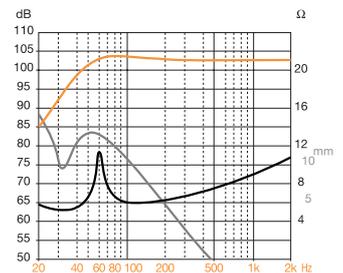
The speaker overall volume must be taken into account when designing a box: if the driver is mounted with its magnet facing the box inner part, add the volume indicated in the Technical Specifications (Total driver displacement) to total volume calculation.
 The volumes of Reflex, Asymmetric Bandpass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

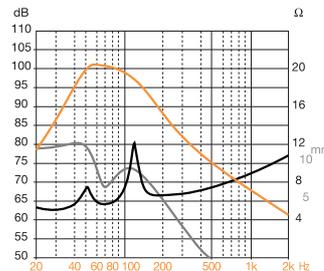
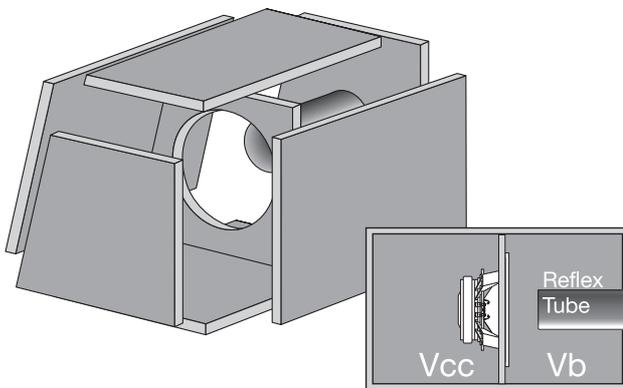


Reflex Box	Reflex Tube
Vb = 120 Lit	Ø = 2x82mm
Fb = 30 Hz	L = 125 mm



Asymmetric Bandpass

Vcc = 59 Lit
Vb = 62 Lit
Fb = 65 Hz
Reflex Port
Ø = 4x100 mm
L = 125 mm



Asymmetric Bandpass

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

Double Reflex

Vb1 = 60 Lit	Vb2 = 83 Lit
Fb1 = 73 Hz	Fb2 = 30 Hz
Reflex Port 1	Reflex Port 2
Ø = 157 mm	Ø = 2x100 mm
L = 20 mm	L = 350 mm

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.

