

# SUB HI ENERGY WOOFER

## HX 380 D 1400 Watt

### Technical Specifications

Component	Subwoofer	
Size	mm	380 (15")
Power Handling (Watt)	peak	1400
	continuous program	700
Impedance	Ohm	4 + 4
Frequency response	Hz	25 - 600
Sensitivity	dB/SPL	92
Outer diameter	mm	391
Mounting hole diameter	mm	351
Magnet size	mm	190
Total depth	mm	202
Mounting depth	mm	174
Total driver displacement	l	3,5
Weight of one component	Kg	10,1
Voice coil diameter	mm	65
Magnet	Dual voice coil, Double magnet, High density flux ferrite	
Cone	Polypropylene with Mica injection	
Xmech*	mm	23

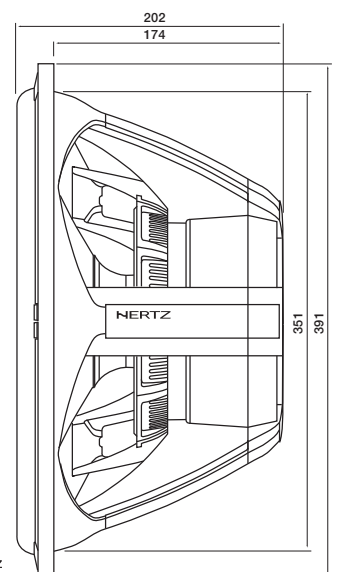
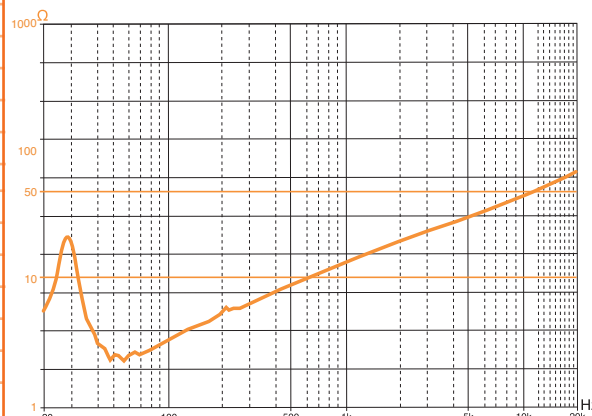
### Electro-Acoustic Parameters

D	mm	320
Xmax	mm	14
Re	Ohm	5,8
Fs	Hz	27
Le	mH@1kHz	7,40
Le	mH@10kHz	2,61
Vas	l	130,60
Mms	gr	251,1
Cms	mm/N	0,14
BL	T-m	23,22
Qts		0,41
Qes		0,43
Qms		6,20
Spl (1m/2,83V)	dB	92

\*Coils in series



- 1 Low incidence five spoke, anti-resonant aluminium alloy basket.
- 2 Front-Back gasket.
- 3 V-cone with Polypropylene membrane stiffened with mineral powders.
- 4 High excursion surround.
- 5 Black nomex spider.
- 6 Extended pole.
- 7 Aluminium former and high temperature pure copper voice coil.
- 8 Oversized motor with forced ventilation system.
- 9 Butyl rubber protective ring for acoustic damping.
- 10 Easy to access, oversized terminals for high-grade cable termination.
- 11 Double voice coil to improve versatility and power.



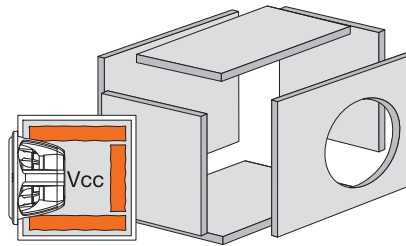
## design

### HX 380 D

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 projects include tubes and ports overall dimensions.

#### Sealed Box - Dimension

The box is deliberately small in order to optimize the overall dimension; this is the right solution for those who have a narrow space but not sacrificing the powerful bass.



#### Sealed Box

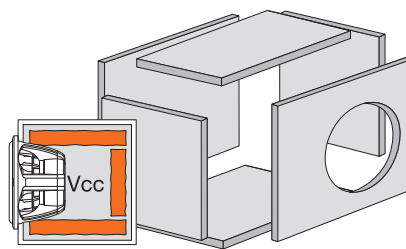
**V<sub>cc</sub>** = 22,02 l  
**F<sub>c</sub>** = 61 Hz

#### Damping material:

FONOFORM on all the inside walls except for the speaker's.

#### Sealed Box - Performance

Bigger, both in dimensions and sound, it responds with excellent dynamics that you can feel with your body.

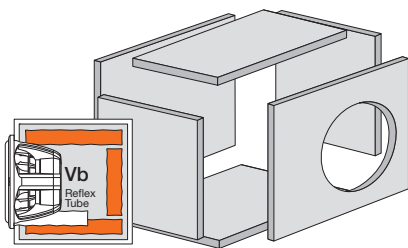


#### Sealed Box

**V<sub>cc</sub>** = 39,42 l  
**F<sub>c</sub>** = 50 Hz

#### Damping material:

FONOFORM on all the inside walls except for the speaker's.



#### Reflex Box - Dimension

Almost the same dimensions as the Sealed Box Performance, yet offering a wider extension, with a strong sound and an excellent articulation.

#### Reflex Box

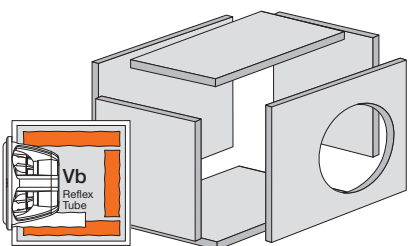
**V<sub>b</sub>** = 39,42 l  
**F<sub>b</sub>** = 32 Hz

#### Reflex Tube

**Ø** = AR 80V  
**L** = 220 mm

#### Damping material:

FONOFORM on all the inside walls except for the speaker's.



#### Reflex Box - Performance

Great power handling, high sensitivity values and great impact; loudest bass performance with all kinds of music.

#### Reflex Box

**V<sub>b</sub>** = 60,10 l  
**F<sub>b</sub>** = 31 Hz

#### Reflex Tube

**Ø** = AR 100V  
**L** = 250 mm

#### Damping material:

FONOFORM on all the inside walls except for the speaker's.