

## Description

Efficient 2 way system, "full range" with bass reflex tuned at 55 Hz, able to produce 128 dB acoustic pressure, without any distortion. The tuning duct is an increasing area duct to reduce low-frequency distortions also at the highest power levels.

## Features

### Components

XTE 500 has as woofer a 12" cone loudspeaker with a new design.

The heat dispersion that is inside produced is given by a proper dissipator, which is in the low side of the basket.

The coil is wound on a kapton former in order to assure the highest thermic overload resistance (300°C).

The tweeter is made by a constant directivity 90°x90° horn, with a 1" compression driver, that has a carbon fibre diaphragm.

### Filter

The XTE 500 has a 2 way crossover filter with 12 db/oct high pass and low pass.

The filter has an inductive compensation system for the woofer and an equalization system for the tweeter.

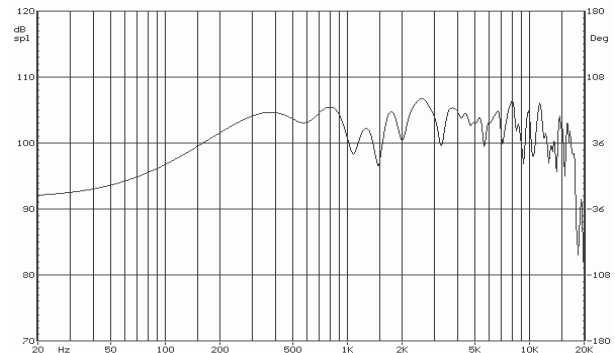
The tweeter protection is of high musical quality without any particular distortion of the highest signals.

### Cabinet

The loudspeaker cabinet is made with a 15mm special wood mixture that is able to resist at any mechanical stress without vibrating.

The cabinet is externally covered in Agugliato HDSC (Heavy Duty Speaker Cover).

## Frequency Response



## Technical Specifications

MODEL	XTE 500
Power handling RMS	250W
Power handling Music	500W
Power handling Peak	1000W
Frequency response	45 ÷ 19k Hz
Vert. Dispersion angle (-6dB)	90°
Horz. Dispersion angle (-6dB)	90°
Impedance (nominal f.r.)	4 Ohm
Sensitivity (1W@1m)	99 dB
Peak SPL (@1m)	128 dB
Continuous SPL (@1m)	122 dB
Crossover frequency	2,8k Hz
<b>Transducers</b>	
LF sub system	1 x 12"
Nominal Impedance	4 Ohm
Input power rating	250W
Sensitivity (1W@1m)	98 dB
Calculated Max SPL (@1m)	121 dB
HF sub system	1 x 1"
Nominal Impedance	8 Ohm
Input power rating	50W
Sensitivity (1W@1m)	106,5 dB
Calculated Max SPL (@1m)	122,5 dB
<b>Physical</b>	
Enclosure	HDSC
Input connectors	2 x NL4FC Speakon
Dimensions (WxHxD)	380 x 515 x 415mm
Weight - Net	16kg