



**MUSICSON®**

## *SAT-8*

### 8" TRAPEZOIDAL SPEAKER SYSTEM

#### MAIN FEATURES:

- High performance series for installation and small events.
- Full-Range 8" compact speaker system
- Two way bass-reflex design
- 150 W RMS Capacity
- 120°X90° Horn coverage
- Frequency response: 65-19000 Hz (-6dB)



#### 1.1- LOW SECTION

- It consists in a 8" speaker in a bass-reflex enclosure
- 1.5" voice coil in a powerful magnetic structure
- POWER : 120 W RMS
- SPL : 96 dB (1W/1M)
- IMPEDANCE : 8 OHM

#### 1.2.- HIGH SECTION

-It consists in a 1" tweeter driver working in a constant directivity horn.

-High frequency driver constructed with ferroelectric materials. Also, the diaphragm is made of polycarbonate to reduce harmonic distortion and improve high frequency response.

- POWER : 30 W R.M.S
- SPL : 105 dB (1W/1M)

#### 1.3.- PASSIVE FILTER SECTION

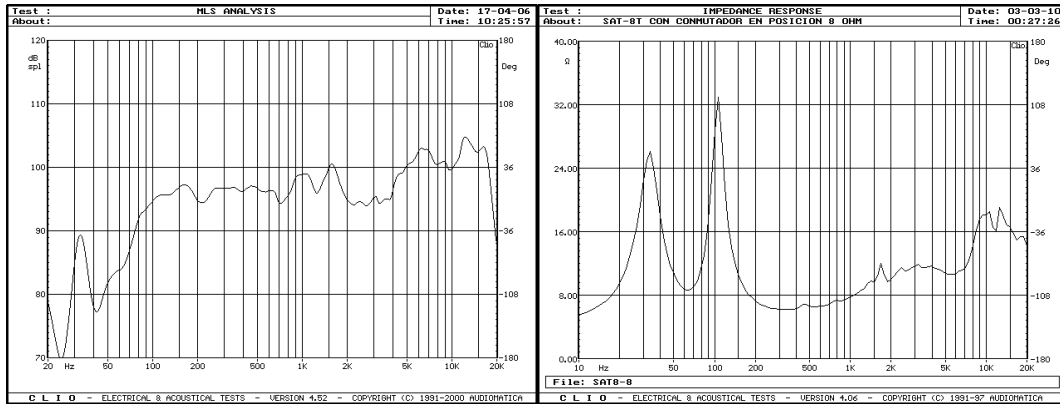
-It consists in a high-pass passive filter

- CROSSOVER FREQUENCY: 4000 Hz
- CROSSOVER SLOPES: 18 dB PER OCTAVE FOR HIGH WAY

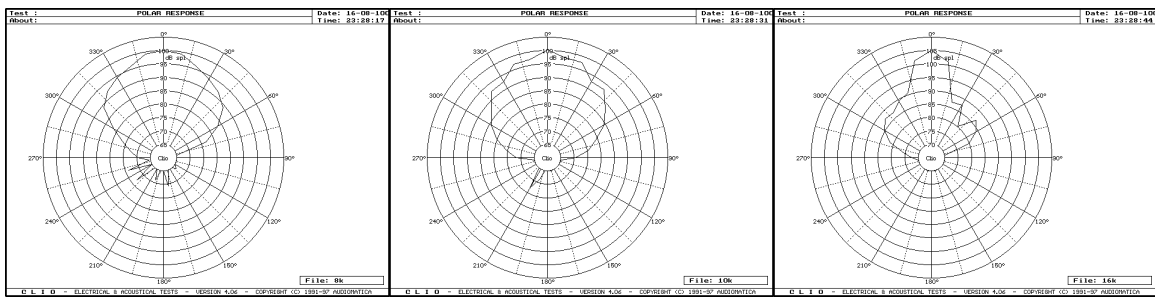
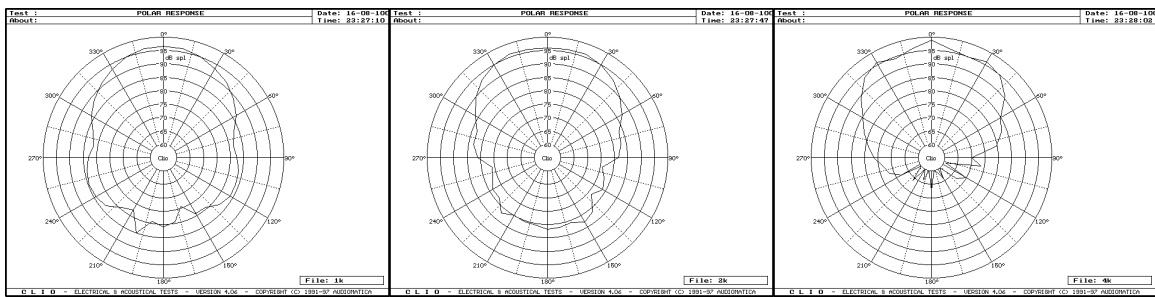
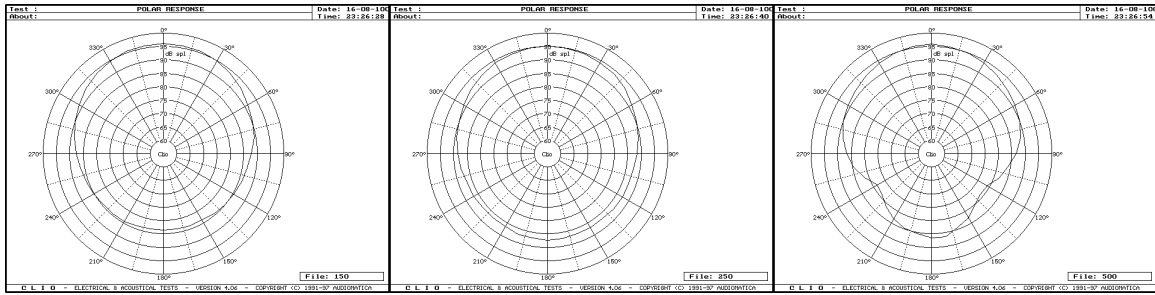
## 2.- SYSTEM SPECIFICATIONS

-AXIAL FREQUENCY RESPONSE: 65-19000 Hz  
 -POWER : 150 W RMS / 600 W PEAK  
 -SENSITIVITY (1W/1m) : 96 dB  
 -SPL MAX. : 122 dB PEAK  
 -IMPEDANCE NOMINAL : 8 OHM  
                   MINIMUM : 6 OHM  
 -BOX TUNING FREQUENCY : 60 Hz  
 -INPUT CONECTIONS: : TWO NEUTRIK SPEAKON NL4MP  
 CONNECTORS IN PARALLEL ( +1, -1)  
 -ENCLOSURE MATERIAL : 15mm Medium Density Fiber  
 -ENCLOSURE FINISH : GREY POLYAMIDE 2 mm LONG  
 -GRILLE : STURDY 1.5 mm STEEL EPOXY PAINTED  
 -DIMENSIONS : HEIGHT : 410 mm  
                   WIDTH : 268 mm  
                   DEPTH : 262 mm  
 -NET WEIGHT : 8 Kg

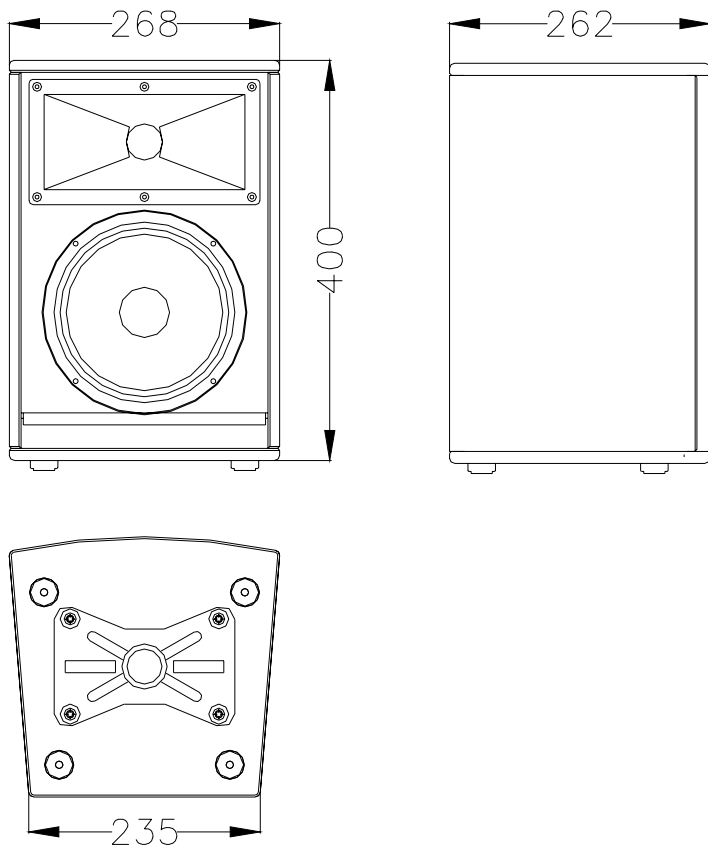
## ON AXIS FREQUENCY AND IMPEDANCE RESPONSE



# POLAR CURVES FROM 500 HZ TO 16 KHZ



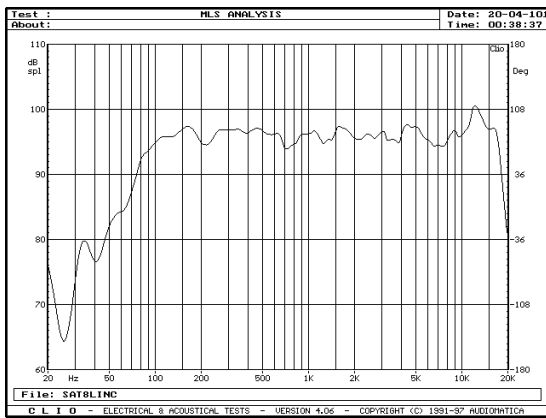
## DIMENSIONS



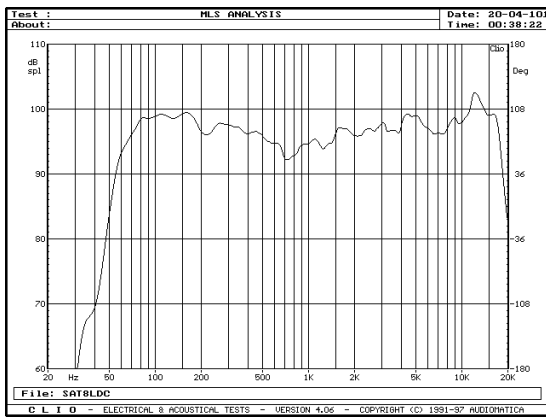
## FREQUENCY RESPONSE OPTIMIZER OFR-S8

- Stereo Electronic minimum phase equalizers and filters to optimize frequency and phase response.
- Three function modes:
  - Lineal
  - Loudness
  - Speech
- Balanced inputs and outputs signal

## FREQUENCY RESPONSE SAT-8 WITH OFR-S8 LINEAL



## FREQUENCY RESPONSE SAT-8 WITH OFR-S8 LOUDNESS



**MUSICSON**<sup>®</sup>

Dr Mora Sanz s/n -  
Telephone: (+34) 963 790 358 - 902 152 906  
E-mail: [musicson@musicson.com](mailto:musicson@musicson.com)  
Web: <http://www.musicson.com>