

O&G  
ENGINEERING

# MORELLO-1

Full range three way transducer



## **MORELLO-1**

The Morello 1 loudspeaker is full range transducer intended for medium to large domestic listening rooms and studio control rooms. The output capability is large thanks to the twin, long throw woofers. When properly setup, the reproduced sound are accurate both in terms of timbre and non linear distortion.

### **FEATURES**

- High output capacity
- Very low distortion
- Accurate timbre
- Easy load for power amplifiers
- Wide frequency response

### **DESIGN**

Each woofer operates in its own reflex loaded cavity; the Helmholtz resonance frequency is set to 22 Hz. The midrange driver operates in a heavily damped, closed cavity. The advanced crossover networks are refined during extensive laboratory work, measurements and listening sessions.

### **ENCLOSURE**

The enclosure is made from veneered MDF board and braced to reduce enclosure resonances. The twin bass reflex ports are located on the rear side.

**TECHNICAL SPECIFICATIONS:**

**Frequency response:**  
20 Hz-30 kHz (+/- 3dB)

**Crossover frequencies:**  
400 Hz and 2 kHz

**Driver complement:**  
1x 1,1" Soft dome tweeter  
1x 6,7" Polymer Midrange  
2x 8" Alloy Woofers

**Sensitivity:**  
89 dB SPL per 2,83 volts, 1 meter

**Impedance:**  
8 ohms nominal (3,5 ohms minimum)

**Placement:**  
Approximately 40" from wall,  
depending on room properties.

**Connections:**  
4 mm binding posts

**Weight and dimensions:**  
240x950x500 (WxHxD)  
35 kg