



## KEY FEATURES

- Modular crossover switchable between passive and active mode
- Speakon terminal with link option
- 19 mm MDF cabinet with 2mm extruded aluminum profiles
- Service free thermal compression driver protection
- 12" woofer
- 1" compression driver
- Optional top-hat adapter
- Five integrated M10 flying points combined with internal steel bracing
- Polyurethane coated top and bottom plates with integrated handles

## DESCRIPTION

The M127i is a 2-way speaker designed for compact yet high power installations in medium sized venues. The M127i is a dedicated top-box, designed to be supported by the M152i subwoofer below 90 Hz. The bass reflex cabinet houses a powerful 12" low-mid unit with a 3" voice coil and a compression driver with a 1 3/4" voice coil on a 7/8" throat. The horn is designed with the Mach WaveShaper technique that reduces eddy currents and improves throw and clarity. The special composite material in the horn combines stiffness with high inner damping. Dispersion is highly controlled in a 60 x 40 degrees pattern. The crossover is placed directly behind the Speakon terminal and can be switched between active and passive mode. It features a thermal protection circuit in active as well as passive mode. The cabinet is made of 19 mm MDF built around an integrated solid steel frame combining reinforcement and flying points. The trapezoidal shape of the cabinet is reinforcement by the Mach anodized and interlocking aluminum profiles. The tough moisture resistant steel grill and the scratch-proof front emphasize the rugged yet stylish design of the M127i.

## SPECIFICATIONS

Power rating IEC268:	315 watt
Power rating peak:	1260 watt
Sensitivity 1w/1m:	99 dB
Max SPL, calculated long term:	125 dB
Max SPL, peak:	131 dB
Frequency range +/-3dB:	90 Hz - 21 kHz
Nominal impedance:	8 ohm
Recommended amplifier:	450 watt in 8 ohm

### Weight & Measurements:

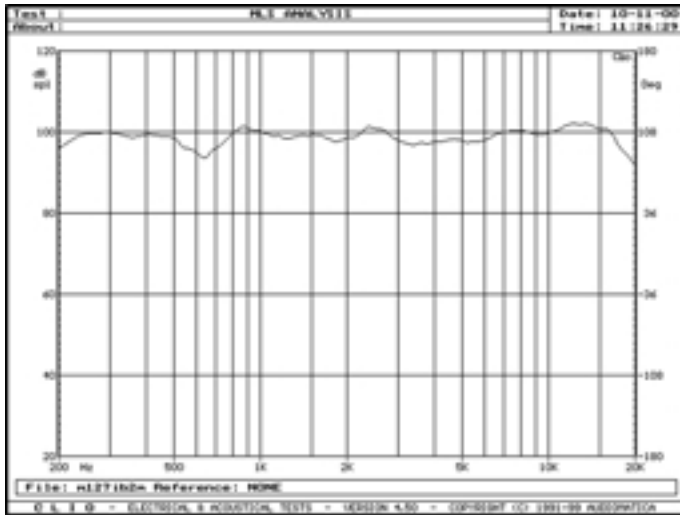
Dimensions (HxWxD):	58x44x40cm (23x17x16 in)
Net weight:	27 kg / 60 lbs
Finish:	Black SafeCoat coating
Grille:	2 mm steel with foam backing
Input connectors:	2 x Speakon® NL4
Optional top-hat adapter:	35 mm. diameter
Rigging hardware:	Eyebolt part no. 93940002 U-bracket (fixed) part no. 93943010 Multi bracket part no. 93943012

## ARCHITECTURAL SPECIFICATIONS

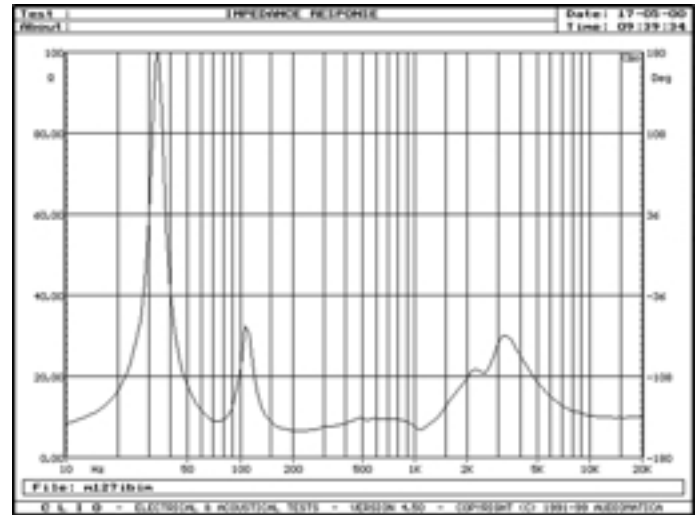
The loudspeaker system shall be a two-way reflex-tuned top-box with an IEC268 power handling of 315 watt and a frequency response from 90-21kHz with a crossover point at 1.6 kHz and a coverage pattern of 60x40 degrees. The loudspeaker system shall have a sensitivity of 99 dB and a maximum continuous output of 125 dB. The loudspeaker system shall have one 12" woofer and a 1" compression driver with a light weight polyester diaphragm. The woofer shall have an 8-ohm load, the compression driver shall have a 16 ohm load. The loudspeaker shall also have six rear mounted M10 attachment points and two M10 flying points in top and bottom plates, which shall be protected with the SafeCoat surface. The enclosure shall be constructed of 19mm Medium Density Fiber, built around an aluminum frame, with internal metal bracing, trapezoidal in shape with a 15 degree angle and shall be 58cm(23in) high, 44cm(17in) wide and 40cm(16in) deep with a weight of 27kg(60lbs). The loudspeaker system shall be the Mach M127i.

**NOTE:** Mach is continually working in research and production improvements, which can be introduced into existing products without notice. The products will always equal or exceed the original design specifications unless otherwise stated.

## FREQUENCY RESPONSE



## IMPEDANCE RESPONSE



## DISPERSION VS. FREQUENCY

