



KEY FEATURES

- Horizontal and vertical flying
- Speakon NL4 terminal with link
- 19 mm MDF cabinet with 2mm extruded aluminum profiles
- Reflex tuned cabinet
- Thermal protection of the tweeters
- 12" woofer
- 6" midrange
- 2x1" horn tweeter cooled with magnetic oil
- Five integrated M10 flying points combined with internal steel bracing
- Optional top-hat adapter

DESCRIPTION

The M125i is a 3-way speaker system designed for mid- and near-field use in small to medium sized venues. The acoustic design is optimized for monitor like sound at high SPL's. The very compact size of the enclosure makes it particularly suitable for high output venues with low overhead fixing points. The trapezoidal shape of the cabinet needs minimal space when flown horizontally.

The M125i can operate in full range mode, but the ideal application is in combination with the M152i subwoofer below 100 Hz. It features a 12" low-mid unit with a 3" voice coil with excellent clarity and speed. The 6" unit enables the M125i to handle critical program material with excellent clarity and detail. Due to the very extended frequency response of the 6" unit, two 1" dome tweeters can be used as HF units. The 1" tweeters are engaged at 8 kHz and cooled with magnetic oil, thus maintaining power handling and performing with a clarity unparalleled by any compression driver.

The cabinet is made of Medium Density Fiber with very high inner damping and excellent surface finish. The black aluminum profiles and the tough moisture resistant steel grill underline the stylish yet rugged design of the M125i. The cabinet is made of 19 mm MDF and is built around an integrated solid steel frame combining reinforcement and 10 M10 flying points. The M125i is also available in white.

SPECIFICATIONS

Power rating IEC268:	315 watt
Power rating peak:	1260 watt
Sensitivity 1w/1m:	97 dB
Max SPL, calculated long term:	122 dB
Max SPL, peak:	128 dB
Frequency range +/-3dB:	88 Hz - 20 kHz
Nominal impedance:	8 ohm
Recommended amplifier:	450 watt in 8 ohm

Weight & Measurements:

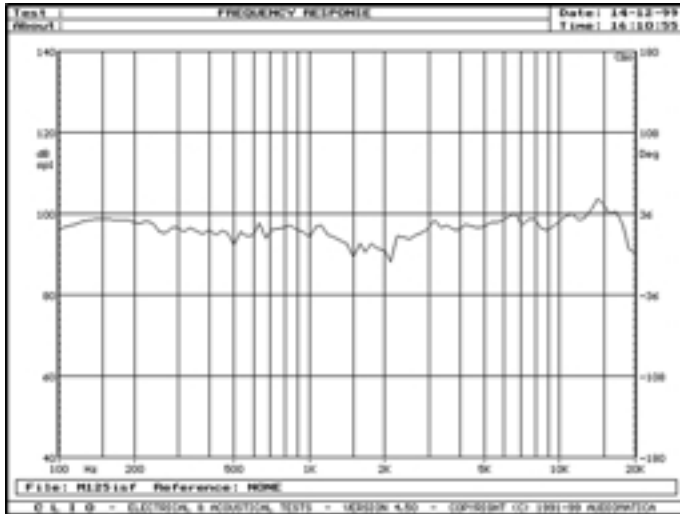
Dimensions (HxWxD):	63x41x40 cm (25x17x16 in)
Net weight:	30 kg / 66 lbs
Finish:	Black SafeCoat coating
Grille:	2 mm steel with foam backing
Input connectors:	2 x Speakon® NL4
Optional top-hat adapter:	35 mm. diameter
Rigging hardware:	Eyebolt part no. 93940002 U-bracket (fixed) part no. 93943010 Multi bracket part no. 93943012

ARCHITECTURAL SPECIFICATIONS

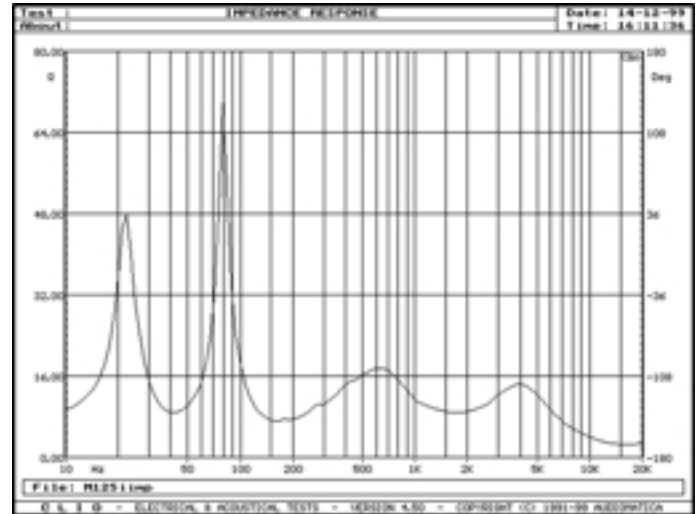
The loudspeaker system shall be a three-way reflex-tuned top-box with an IEC268 power handling of 315 watt and a frequency response from 88-20kHz with a crossover point at 1.6 and 8 kHz. The loudspeaker system shall have a sensitivity of 97 dB and a maximum output of 122 dB. The loudspeaker system shall have one 12" woofer, one 6 1/2" midrange and two 1" soft dome tweeters cooled with magnetic oil, all drivers with an 8-ohm load. The loudspeaker shall also have six rear mounted M10 attachment points for a customized bracket 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 63cm(25in) high, 41cm(17in) wide and 40cm(16in) deep with a weight of 30kg(66lbs). The loudspeaker system shall be the Mach M125i.

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

