



## KEY FEATURES

- Horizontal and vertical flying
- Speakon terminal with link option
- Modular crossover
- 19 mm MDF cabinet
- 2mm extruded aluminum profiles
- Thermal protection of the tweeter
- Build-in handles
- 2x8" mid devices
- 2x1" horn tweeter cooled with magnetic oil

## DESCRIPTIONS

The M82i is a unique near-field speaker combining hi-fi properties with high SPL's in a very compact design.

M82i is a 2-way speaker designed as a dedicated top-box and should be supported by the M151i subwoofer below 100 Hz. It houses two 8" mid-woofers with very extended frequency response and two 1" soft dome horn tweeters cooled by magnetic oil. It has a highly controlled dispersion pattern of 60x60 degrees. The M82i has been designed specifically for applications in which clarity and speech intelligibility is needed, but is also ideal for smaller clubs and as fill in near-field applications.

The pressure camber cabinet is designed around an extruded 2mm aluminium profile. The M82i offers four built-in flying points for easy horizontal or vertical fixing. A customised multi bracket is available as well. The trapezoidal cabinet shape allows flexible and discrete fixing in low ceiling applications. The M82i can be fitted with an external top-hat adapter.

This model is also available in white.

## SPECIFICATIONS

Power rating IEC268:	300 watt
Power rating peak:	1200 watt
Sensitivity 1w/1m:	95 dB
Max SPL, calculated long term:	121 dB
Max SPL, peak:	124 dB
Frequency range +/-3dB:	90 Hz - 20 kHz
Nominal impedance:	8 ohm
Recommended amplifier:	400 watt in 8 ohm

### Weight & Measurements:

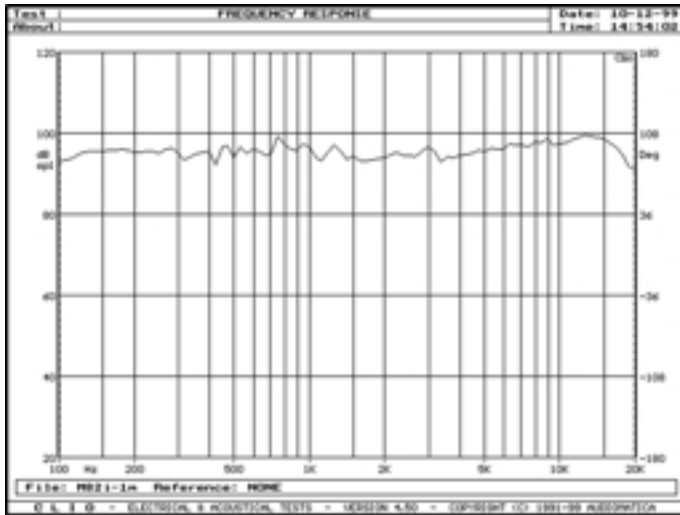
Dimensions (HxWxD):	59x33x35 cm (23x13x14 in)
Net weight:	18 kg / 42 lbs
Finish:	Black SafeCoat coating
Grille:	2 mm steel with foam backing
Input connectors:	2 x Speakon® NL 4
Top-hat adapter:	External part no. 93943007
Rigging hardware:	Eyebolt part no. 93940002 U-bracket (fixed) part no. 93943003 Multi bracket part no. 93943012

## ARCHITECTURAL SPECIFICATIONS

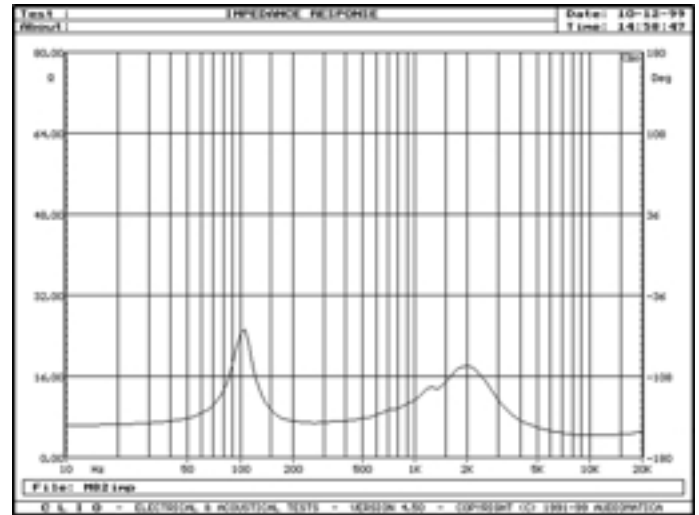
The loudspeaker system shall be a two-way closed top-box with an IEC268 power handling of 300 watt and a frequency response from 90-20kHz with a crossover point at 4 kHz. The loudspeaker system shall have a sensitivity of 95 dB and a maximum output of 121 dB. The loudspeaker system shall also have two 8" low/mid drivers and two 1" soft dome tweeters cooled with magnetic oil. The woofers shall have a 16-ohm load, the tweeter shall have a 8-ohm load. The loudspeaker shall also have six rear mounted M10 attachment points for a customized bracket and an M8 attachment point 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, equipped with internal metal bracing, trapezoidal in shape with a 15 degree angle and be 59cm(23in) high, 33cm(13in) wide and 35cm(14in) deep with a weight of 18kg(42lbs). The loudspeaker system shall be the Mach M82i.

**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

