



## KEY FEATURES

- Modular crossover switchable between passive and active mode
- 19 mm MDF cabinet with 2mm extruded aluminum profiles
- Service free thermal compression driver protection
- 2x12" woofer
- 2" rotateable horn
- Five integrated M10 flying points combined with internal steel bracing
- Polyurethane coated top and bottom plates with integrated handles
- Speakon terminal with link option
- Horizontal or vertical flying

## DESCRIPTION

The M129i is a dedicated top-box for installation applications in large live or playback venues. It is a dedicated top-box which is designed to be supported by the M182i subwoofer. The very compact size of the enclosure makes it particularly suitable for very high output venues with low overhead fixing points. The trapezoidal shape of the cabinet needs minimal space when flown horizontally.

As a special feature, the M129i is equipped with a rotateable horn, allowing it to be flown horizontally. The M129i is equipped with two high power 12" low/mid devices and a 3" compression driver with a titanium diaphragm mounted behind a 2" horn with a dispersion angle of 100 x 70 degrees.

The trapezoidal shape of the cabinet is capped by the Mach Installation Series signature - black anodized interlocking aluminum profiles. The tough moisture-resistant steel grill and the scratch-proof front emphasize the rugged yet stylish design of the M129i.

The cabinet is made of Medium Density Fiberboard (MDF) built around an integrated solid steel frame combining reinforcement and five M10 flying points. 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.

## SPECIFICATIONS

### Passive mode:

Power rating IEC268:	600 watt
Power rating peak:	2400 watt
Sensitivity 1w/1m:	102 dB
Max SPL, calculated Long term:	130 dB
Max SPL, peak:	136 dB
Frequency range +/-3dB:	92 Hz - 20 kHz
Nominal impedance:	4 ohm
Recommended amplifier:	850 watt in 4 ohm

### Drive units:

<u>Woofer</u>	2x12" with 3"voice coil
Nominal impedance:	4 ohm (2 pcs)
Power handling AES:	600 watt (2 pcs)
Sensitivity 1w/1m:	102 dB
Maximum SPL, calculated:	130 dB
Maximum SPL, peak:	136 dB
Recommended amplifier:	850 watt into 4 ohm

<u>Compression driver:</u>	3" diaphragm, 2" throat
Nominal impedance:	16 ohm
Power handling AES:	140 watt
Sensitivity 1w/1m:	108 dB
Maximum SPL, calculated:	130 dB
Maximum SPL, peak:	136 dB
Recommended amplifier:	200 watt into 16 ohm

### Weight & Measurements:

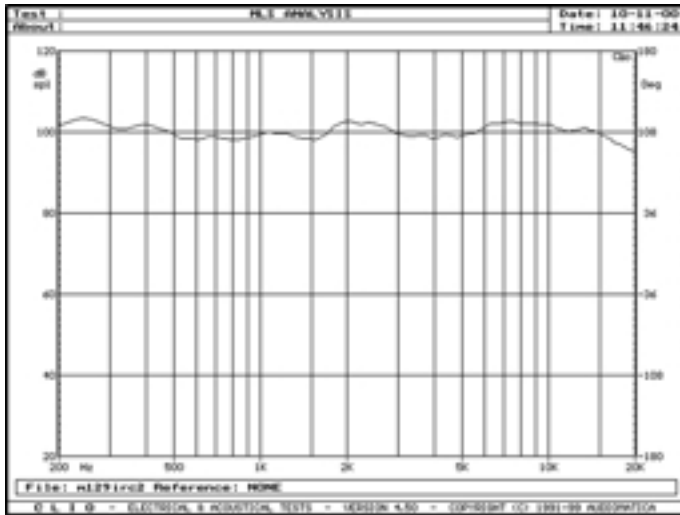
Dimensions (HxWxD):	100x49x45 cm (40x19x18 in)
Net weight:	58 kg / 128 lbs
Finish:	Black SafeCoat coating
Grille:	2 mm steel with foam backing
Input connectors:	2 x Speakon® NL4
Rigging hardware:	Eyebolt part no. 93940002

## ARCHITECTURAL SPECIFICATIONS

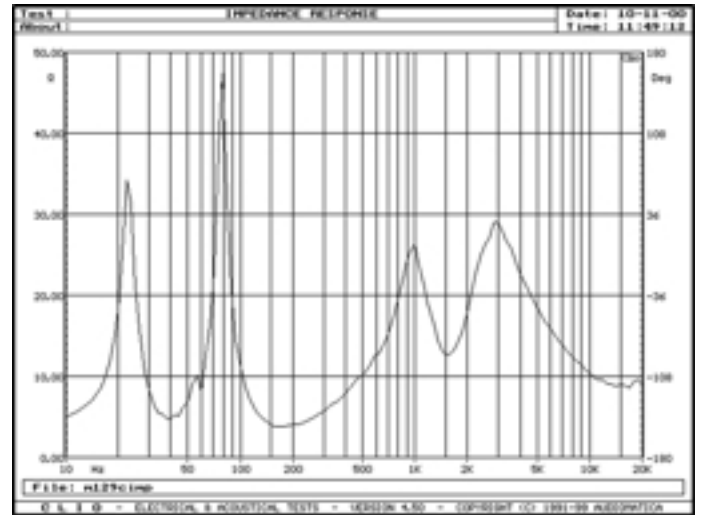
The loudspeaker system shall be a two-way reflex-tuned top-box with an IEC268 power handling of 600 watt and a frequency response from 92 Hz-20kHz with a crossover point at 1.3 kHz and a 100x70 degrees dispersion pattern. The loudspeaker shall have a sensitivity of 102 dB and a maximum SPL of 130 dB. The loudspeaker shall also have a built-in modular, switchable passive crossover with double protection circuit. The loudspeaker system shall have two 12" low/mid devices and one 2" compression driver with a titanium diaphragm on a rotateable horn. Both woofers shall have an 8-ohm load, the compression driver shall have a 16-ohm load. The loudspeaker shall have two M10 flying points in the top and bottom plates, which shall be protected with the SafeCoat surface, and two rear mounted M10 attachment points. 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 shall be 100cm(40in) high, 49cm(19in) wide and 45cm(18in) deep with a weight of 58kg(128lbs). The loudspeaker system shall be the Mach M129i.

**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

