

# MACH CM7



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## SPECIFICATIONS

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Power rating IEC268:	300 watt
Power rating peak:	1200 watt
Sensitivity 1w/1m:	96 dB
Max SPL, calc. long term:	121 dB
Max SPL, peak:	127 dB
Frequency response +/-3dB:	80 Hz-20 kHz
Dispersion angle:	90x60 degrees
Nominal impedance:	8 ohm
Recommended amplifier:	400 watt in 8 ohm

### Weight & Measurements:

Dimensions (HxWxD):	41.5x34.9x33.8 cm (16.3x13.7x13.3 inches)
Net weight:	15 kg (33 lbs)
Finish:	Black coating with other colors optional
Grille:	2 mm steel with foam backing
Input connectors:	2 x Speakon® NL4 and barrier strip terminals
Rigging hardware:	Included U-bracket. Eyebolt part no. 93940002

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## KEY FEATURES

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- Horizontal and vertical flying
- Speakon terminal with link option and barrier strip terminals
- Modular crossover
- 19mm MDF cabinet
- 3mm extruded aluminium profiles
- Thermal protection of the tweeter
- 8" woofer with 2" interleaved sandwich voice coil and coated cone
- 1" compression driver with constant coverage horn

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## DESCRIPTION

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The CM7 is a medium-throw speaker with very high SPL making it ideal for small to medium-sized venues. The safe coat scratchproof surface and the extruded 3mm aluminum profiles make the cabinet exceptionally strong and robust. It houses an 8" woofer with a very low power compression and high power handling as well as a 1" compression driver with a constant coverage horn. It is a dedicated top-box designed to be supported by a subwoofer if more bass is needed. The CM7 is fast and easy to mount featuring 18 flying points and the innovative adjustable spider bracket system for multiple horizontal and vertical flying options. In addition, the trapezoidal cabinet design allows for flexible and discrete fixing. All the smaller models in the C-range are supplied with a U-bracket and the speaker is available in black as standard with any RAL code color choice as optional.

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## ARCHITECTURAL SPECIFICATIONS

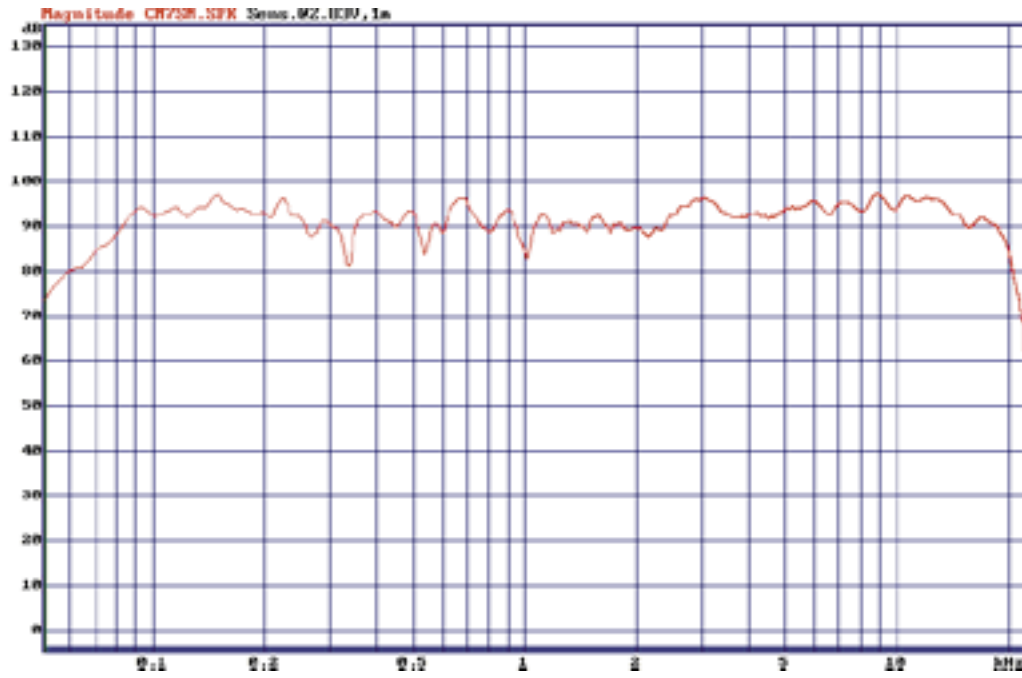
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The loudspeaker system shall be a two-way reflex loaded top-box with an IEC268 power handling of 300 watt and a frequency response from 80 Hz-20 kHz with crossover frequencies at x kHz. The loudspeaker system shall have a sensitivity of 96 dB and a maximum output of 127 dB. The loudspeaker system shall also have an 8" low/mid driver and a 1" compression driver with a constant coverage horn. The loudspeaker shall also have 18 flying points protected with the SafeCoat surface. The speaker shall be constructed of 19mm Medium Density Fibre, built around an aluminum profile, trapezoidal in shape with a 15 degree angle and shall be 40cm (15.7in) high, 34.9 cm (13.7in) wide and 33.8 cm (13.3in) deep with a weight of 15 kg (33 lbs). The loudspeaker system shall be the Mach CM7.

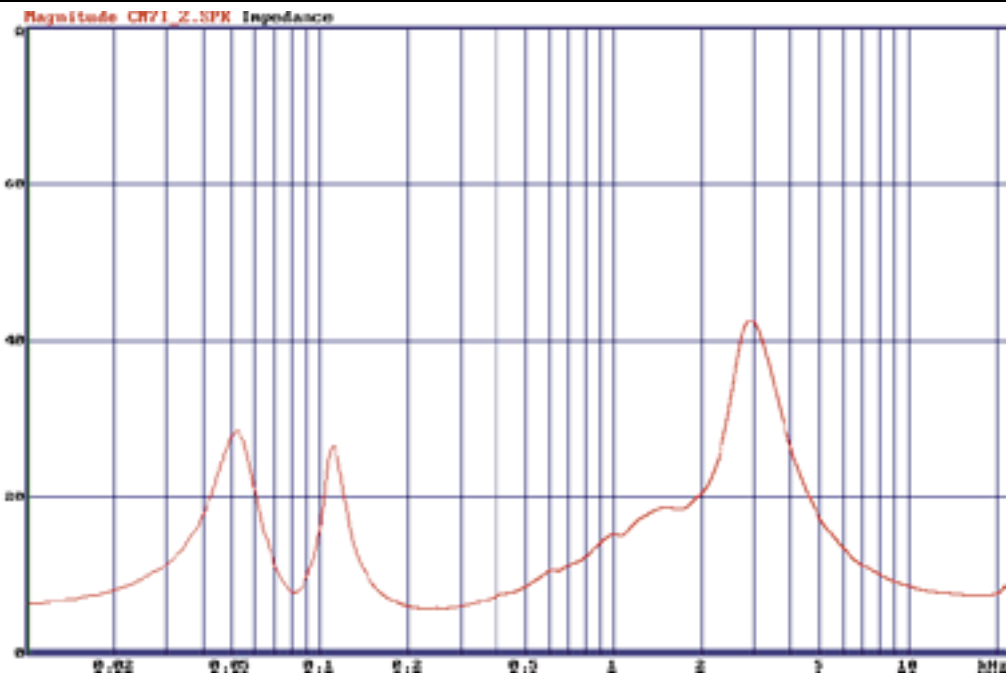
**NOTE:** Mach is continually working on research and production improvements, which can be introduced into existing products without notice. The products will always equal or exceed the original design specifications unless otherwise stated.

# MACH CM7

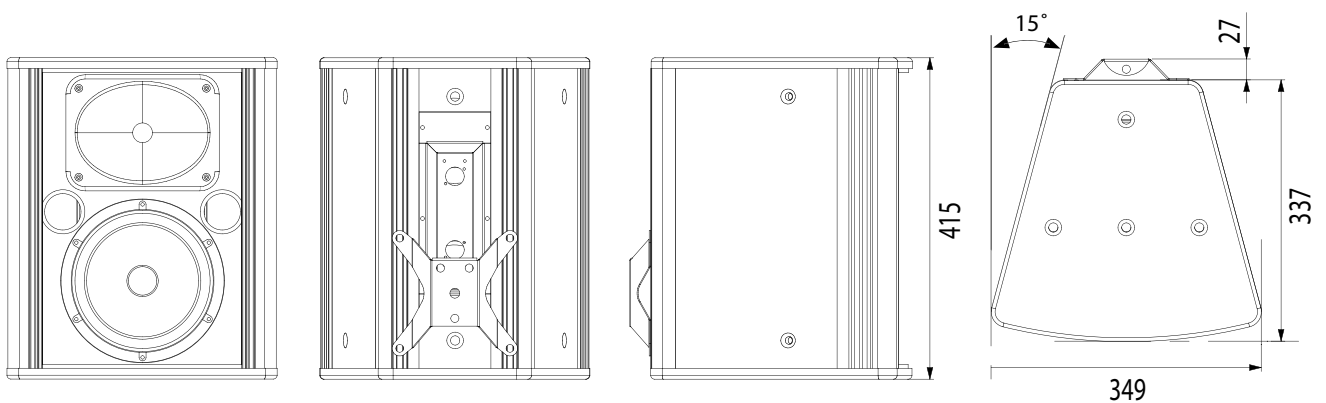
## Frequency Response



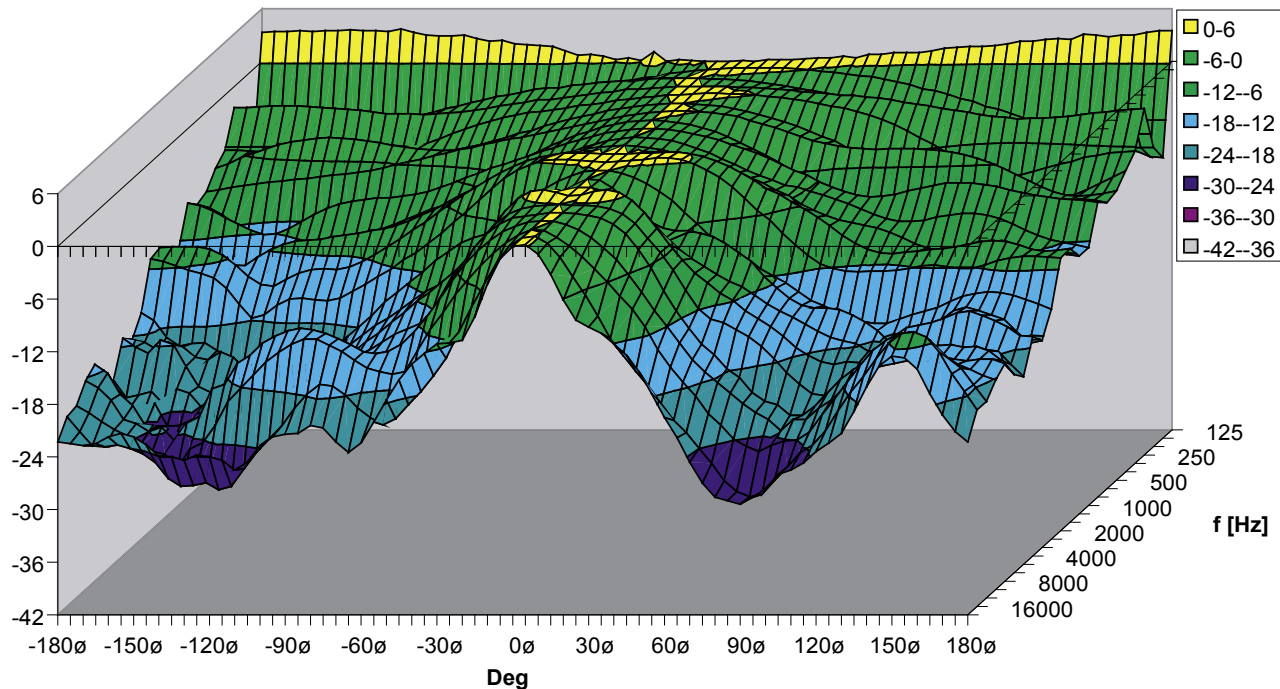
## Impedance Response



## Size and Shape

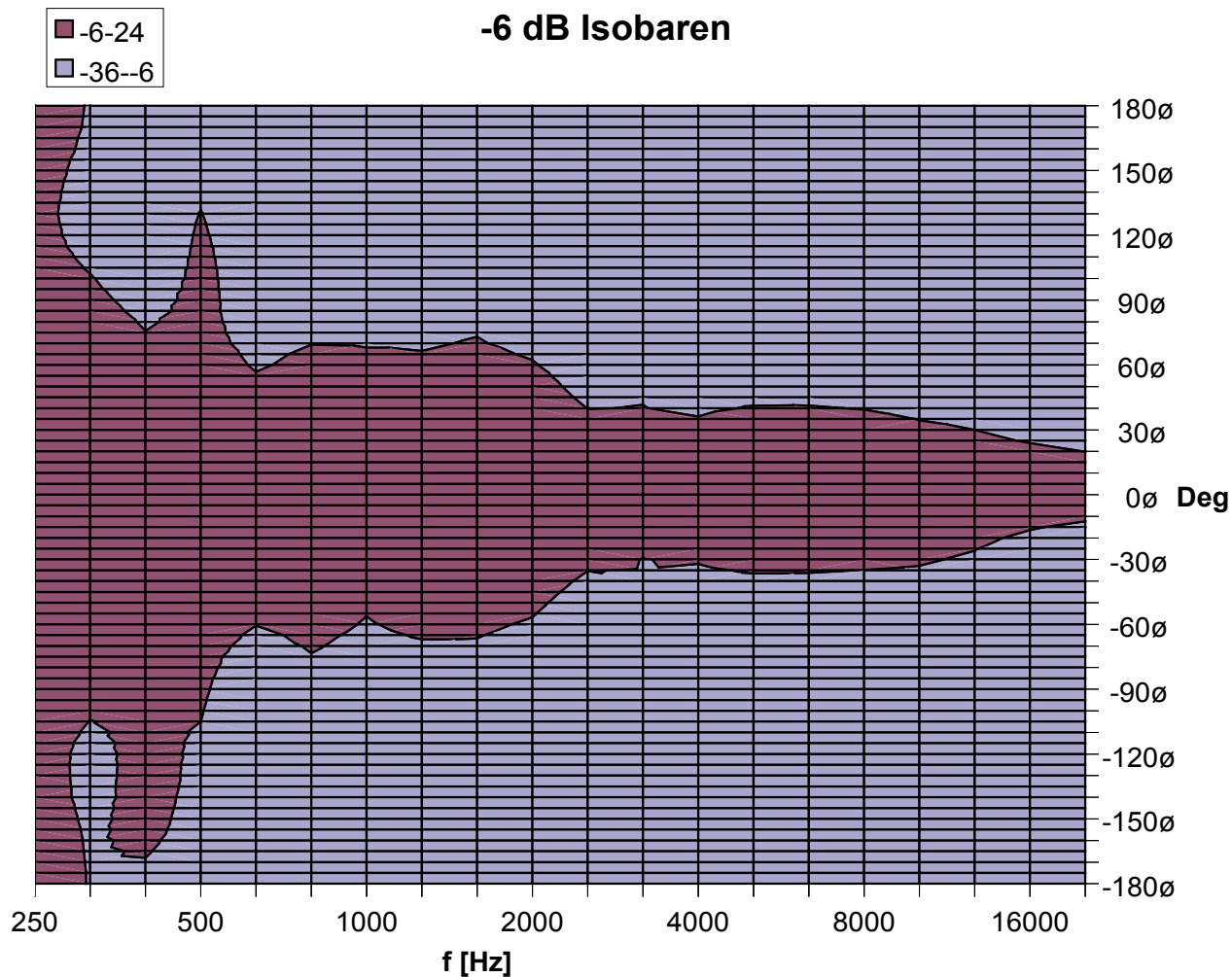


3D Directivity Plot

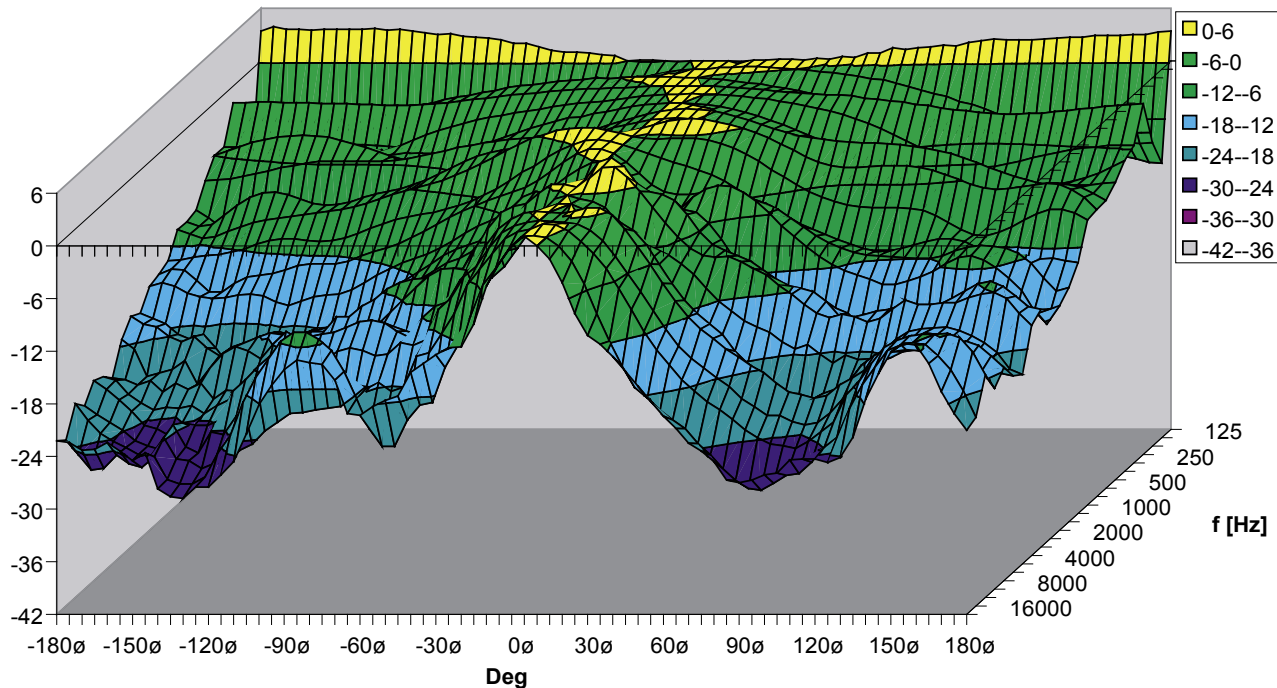


-6 dB Isobar Horizontal

-6 dB Isobaren



3D Directivity Plot



-6 dB Isobar Vertical

-6 dB Isobaren

