

# MACH CN7



## KEY FEATURES

- 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 polypropylene cone
- 1" horn tweeter cooled with ferrofluid

## DESCRIPTION

The CN7 is a near-field speaker ideal for small sized venues such as bars, cafés or as in-fill in seating areas. Despite its physical dimensions, the CN7 is capable of reproducing hi-fi-like sound at medium SPL. 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 extended frequency response and a 1" soft dome cooled with ferrofluid. It is a dedicated top-box but can be used as a standalone box in small venues or supported by a subwoofer below 100 HZ. The CN7 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.

## SPECIFICATIONS

Power rating IEC268:	150 watt
Power rating peak:	600 watt
Sensitivity 1w/1m:	92 dB
Max SPL, calc. long term:	114 dB
Max SPL, peak:	120 dB
Frequency response +/-3dB:	65 Hz-17 kHz
Dispersion angle:	100 x 100 degrees
Nominal impedance:	8 ohm
Recommended high pass filter:	40Hz/(24dB/octave)
Recommended amplifier:	200 watt in 8 ohm

### Weight & Measurements:

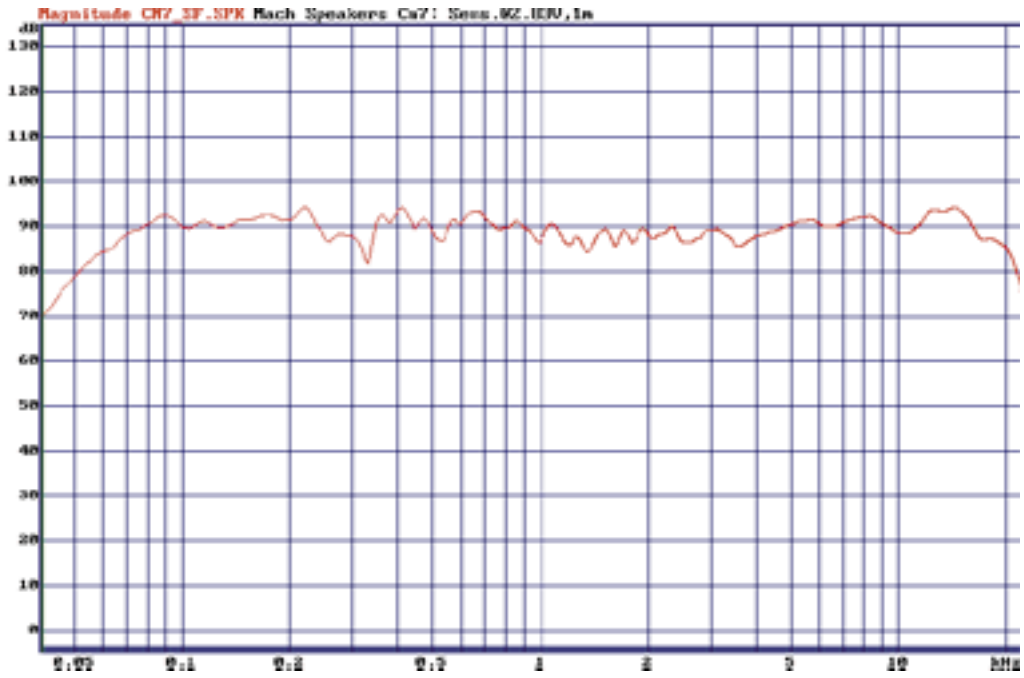
Dimensions (HxWxD):	41.5x34.9x33.8 cm (16.3x13.7x13.3 inches)
Net weight:	15 kg (33 lbs)
Finish:	Black SafeCoat coating with other colors optional
Grille:	2 mm steel with foam backing
Input connectors:	2 x Speakon® NL4 and barrier strip terminals
Rigging hardware:	Included U-bracket. Eyebolt part no.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

## ARCHITECTURAL SPECIFICATIONS

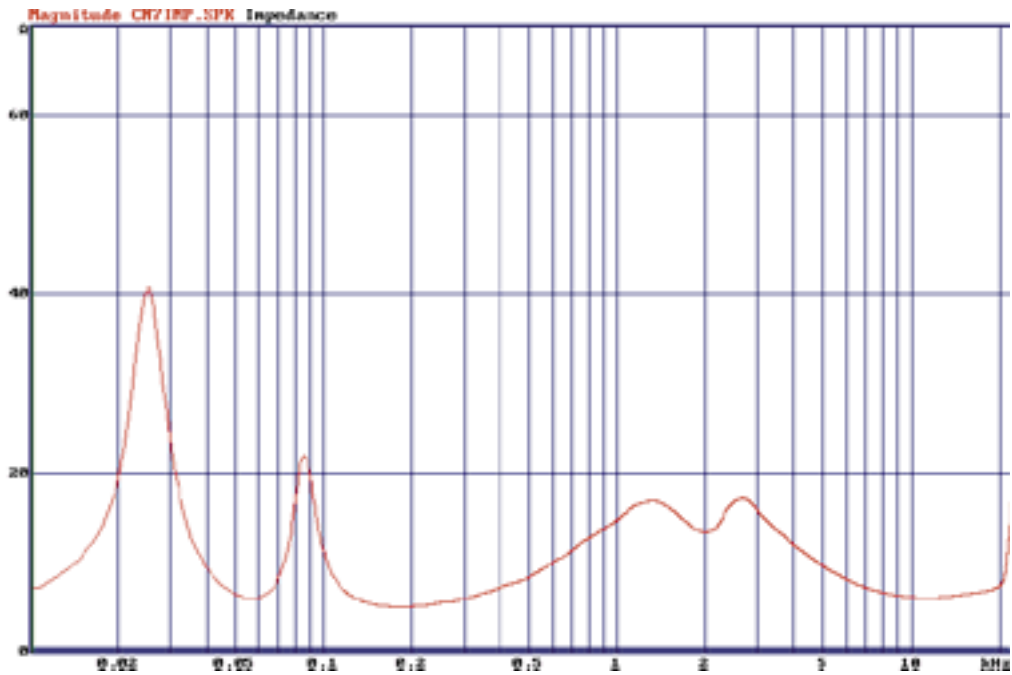
The loudspeaker system shall be a two-way reflex loaded top-box with an IEC268 power handling of 150 watt and a frequency response from 65 Hz-17 kHz. The loudspeaker system shall have a sensitivity of 92 dB and a maximum output of 120 dB. The loudspeaker system shall also have an 8" woofer and a 1" soft dome tweeter cooled with ferrofluid, each with an 8 ohm load. 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 CN7.

**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.

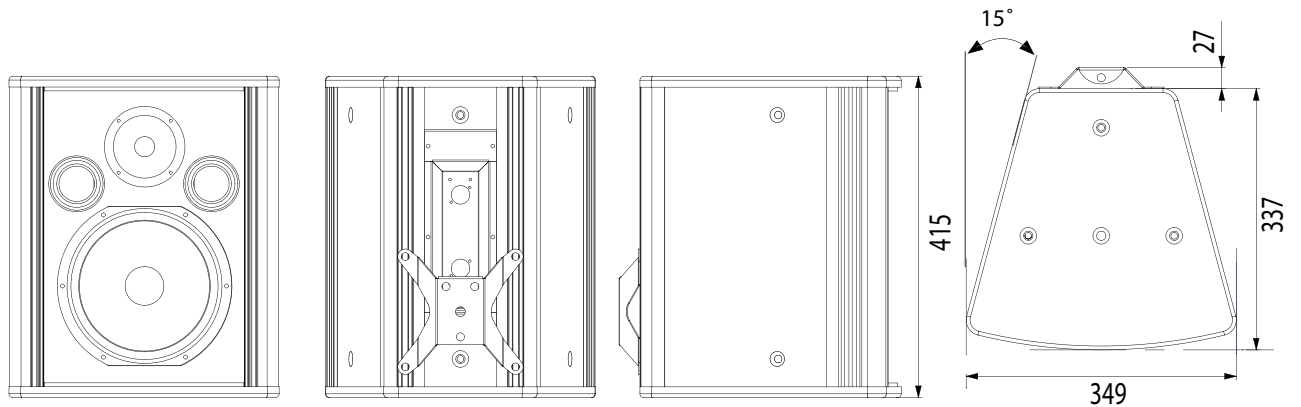
## Frequency Response



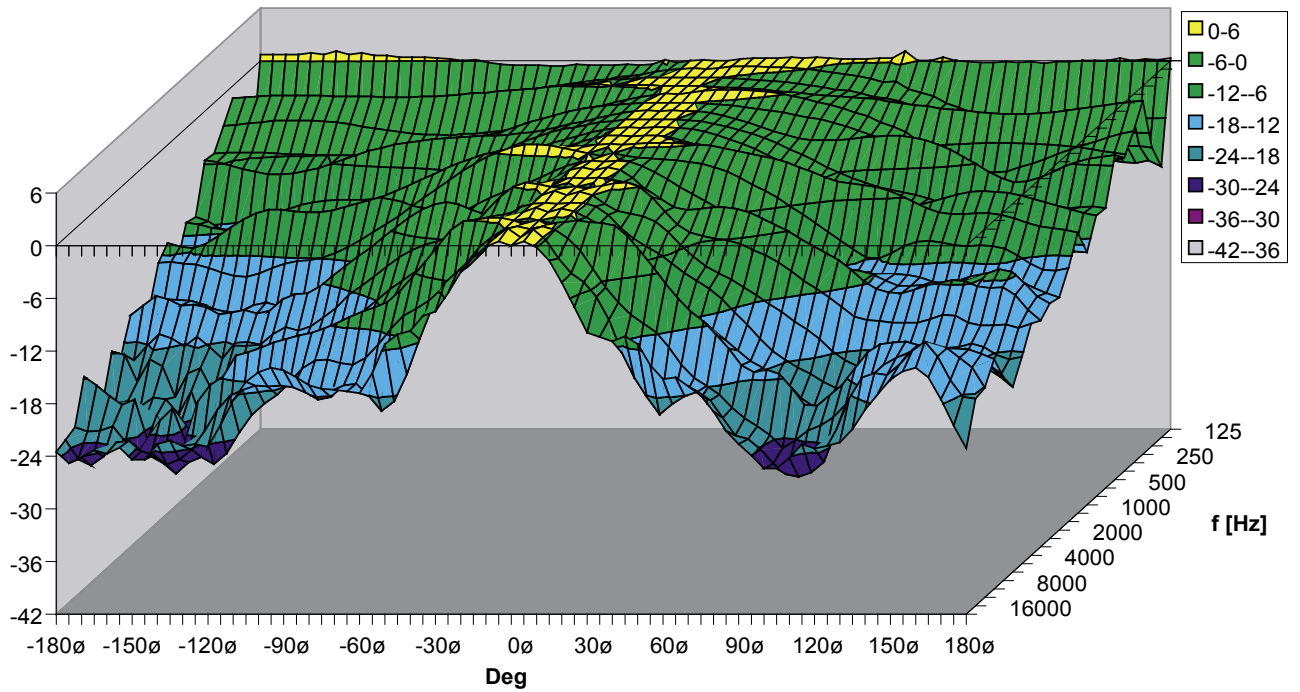
## Impedance Response



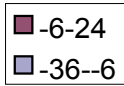
## Size and Shape



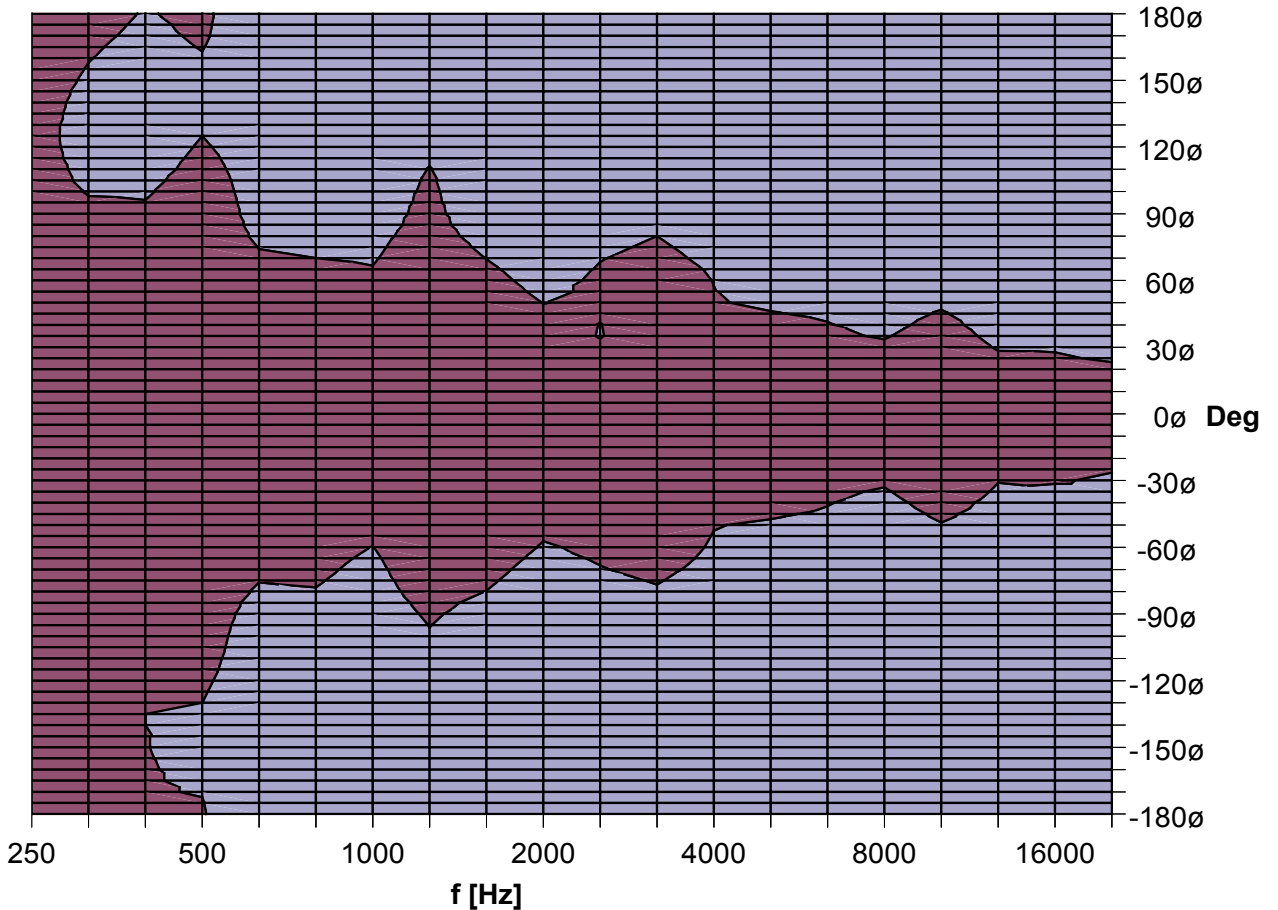
3D Directivity Plot



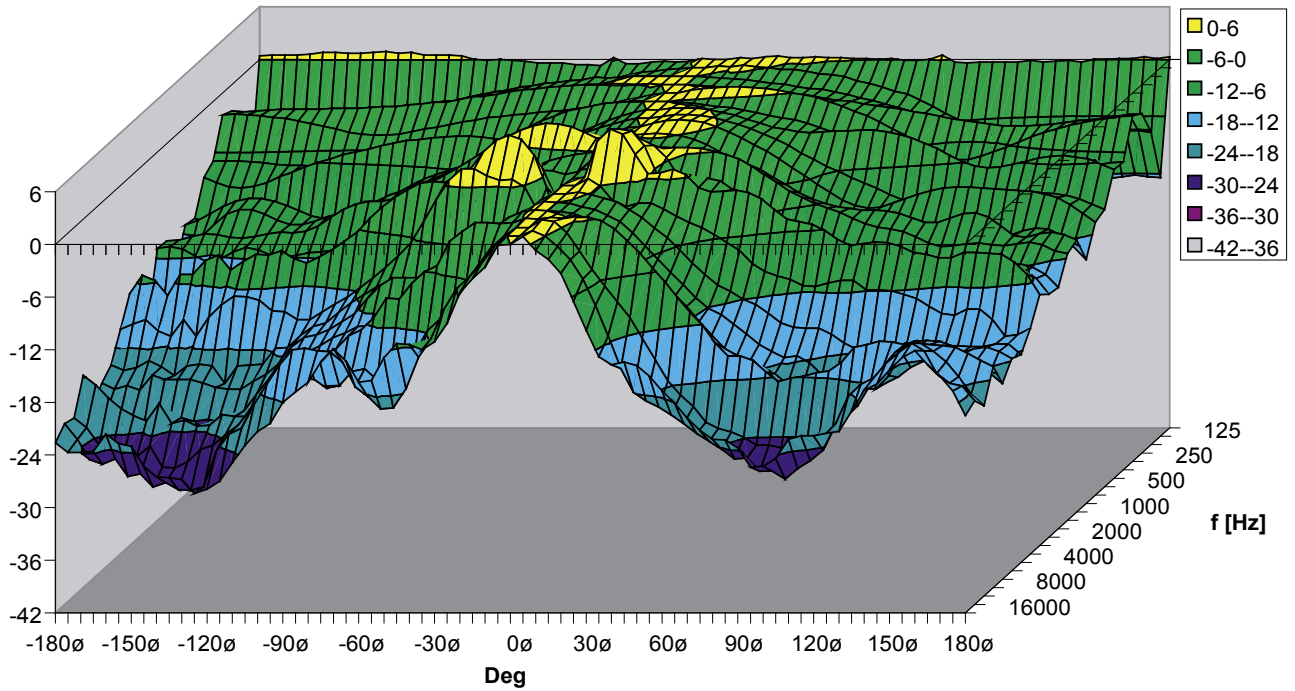
-6 dB Isobar Horizontal



-6 dB Isobaren



3D Directivity Plot



-6 dB Isobar Vertical

-6 dB Isobaren

