

# MACH CN8



## KEY FEATURES

- Horizontal and vertical flying
- Speakon terminal with link option and barrier strip terminal
- Modular crossover
- 19mm MDF cabinet
- 3mm extruded aluminium profiles
- Thermal protection of the tweeter
- 2 x 8" woofers
- 1" compression driver with constant coverage

## DESCRIPTION

The CN8 is a near-field speaker ideal for small to medium-sized venues such as bars, cafés or as in-fill in seating areas. The CN8 is a two-way speaker 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 two 8" woofers with a very extended frequency response and a 1" compression driver with a constant coverage horn. It is a dedicated top-box that can be used as a stand-alone solution or in combination with a subwoofer. The CN8 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 in low ceiling applications. 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:	300 watt
Power rating peak:	1200 watt
Sensitivity 1w/1m:	95 dB
Max SPL, calc. long term:	120 dB
Max SPL, peak:	126 dB
Frequency response +/-3dB:	65 Hz-20 kHz
Dispersion angle:	90x60 degrees
Nominal impedance:	4 ohm
Recommended High Pass filter:	40Hz (24 dB/octave)
Recommended amplifier:	400 watt in 4 ohm

### Weight & Measurements:

Dimensions (HxWxD):	62 x34.9x33.8 cm (24.4x13.7x13.3 inches)
Net weight:	22 kg (48.5 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

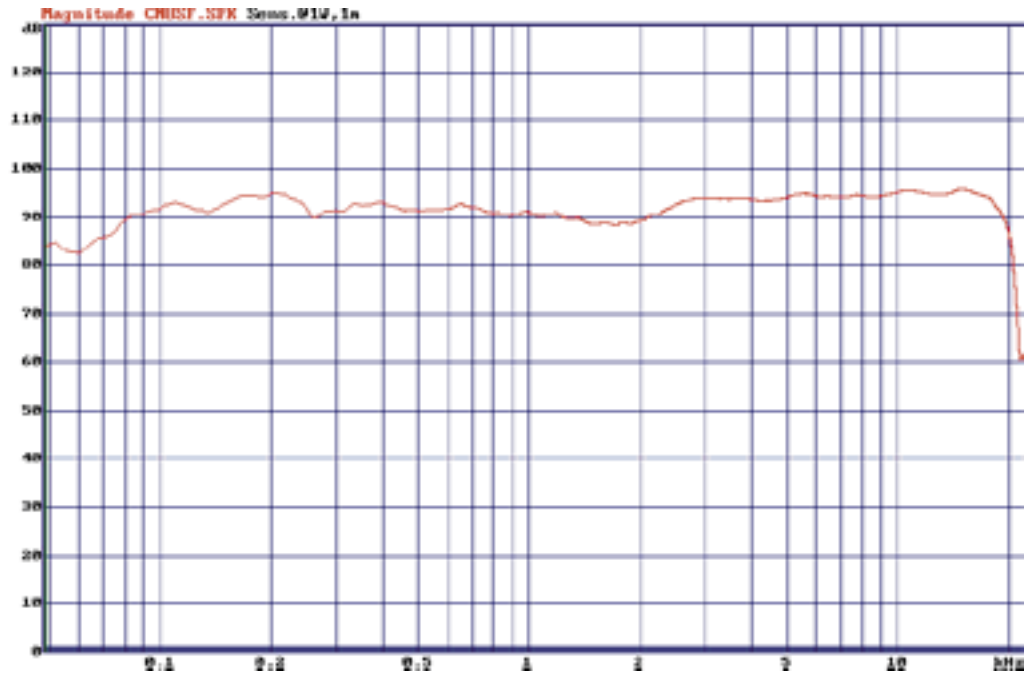
## ARCHITECTURAL SPECIFICATIONS

The loudspeaker system shall be a two-way closed top-box with an IEC268 power handling of 300 watt and a frequency response from 65 Hz-20 kHz. The loudspeaker system shall have a sensitivity of 95 dB and a maximum output of 126 dB. The loudspeaker system shall have two 8" low/mid drivers 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 frame, trapezoidal in shape with a 15 degree angle and shall be 62cm (24.4in) high, 34.9 cm (13.7in) wide and 33.8 cm (13.3in) deep with a weight of 22 kg (48.5 lbs). The loudspeaker system shall be the Mach CN8.

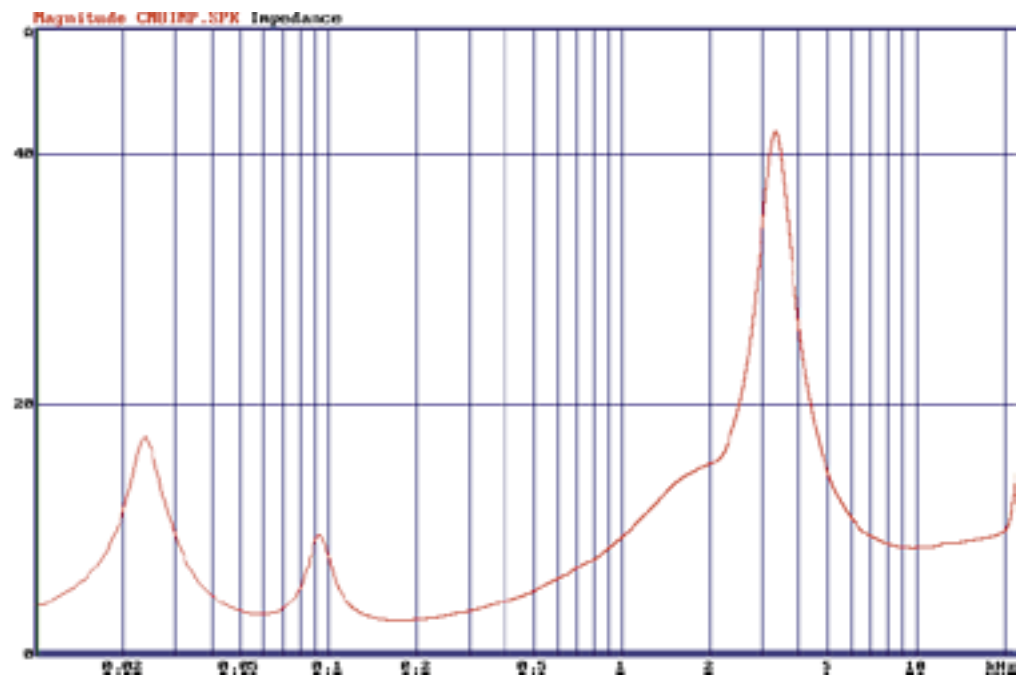
**NOTE:** Mach is continually working on research and production improvements, which can be introduced into existing products without notice. The products will always equal or exceed the original design specifications unless otherwise stated.

# MACH CN8

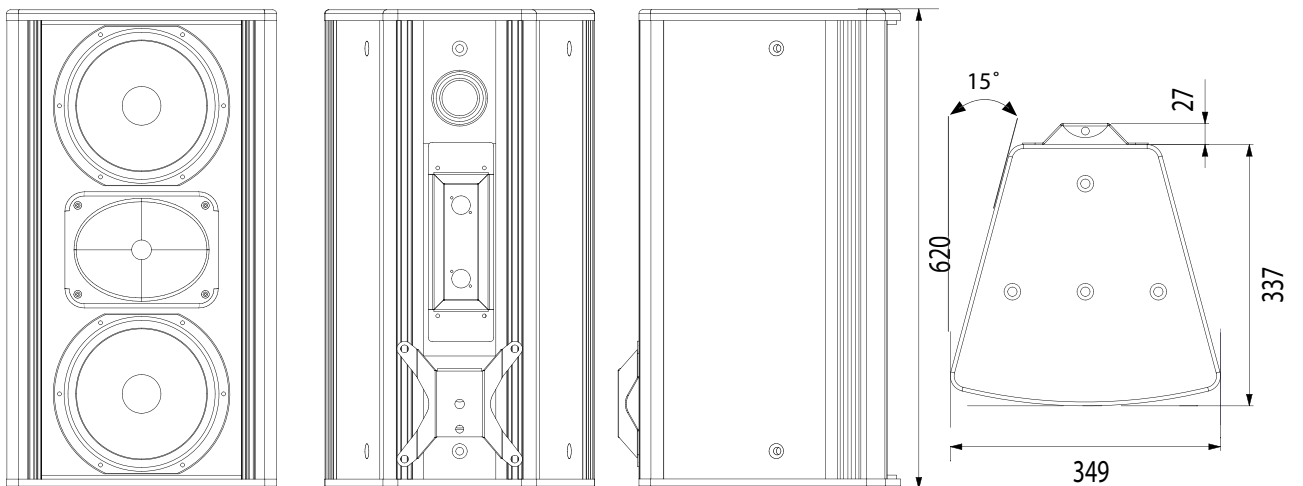
## Frequency Response



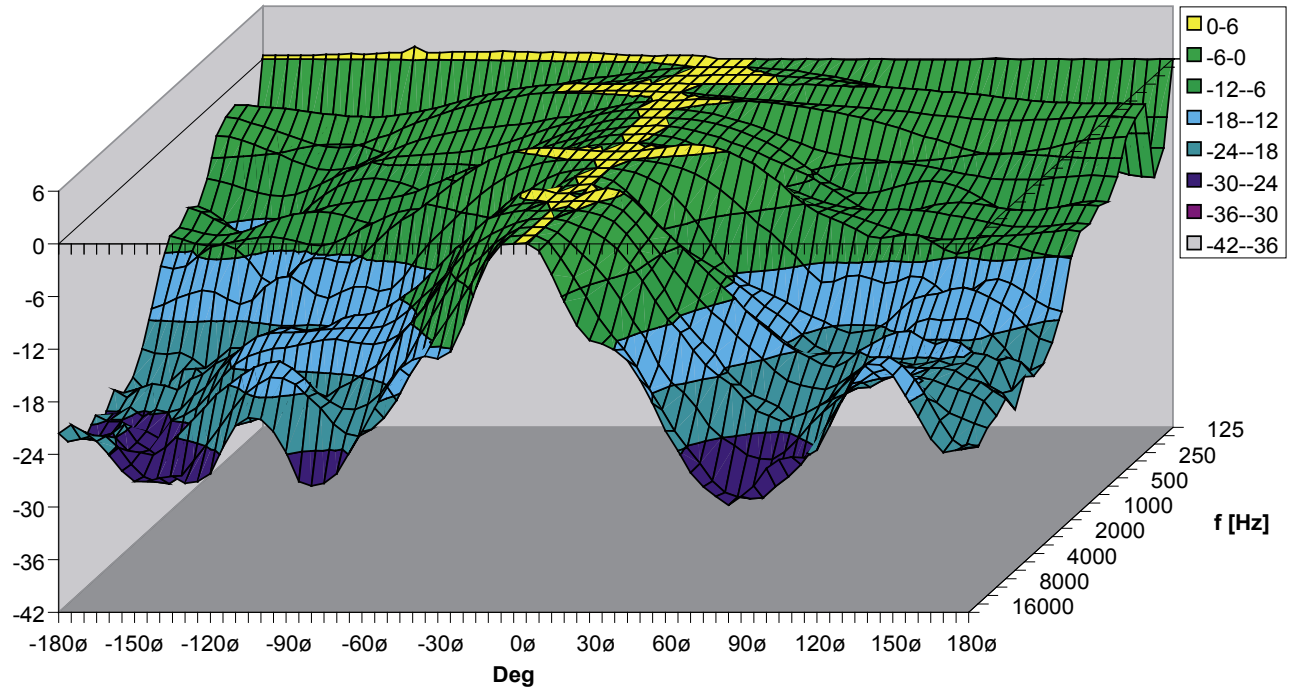
## Impedance Response



## Size and Shape

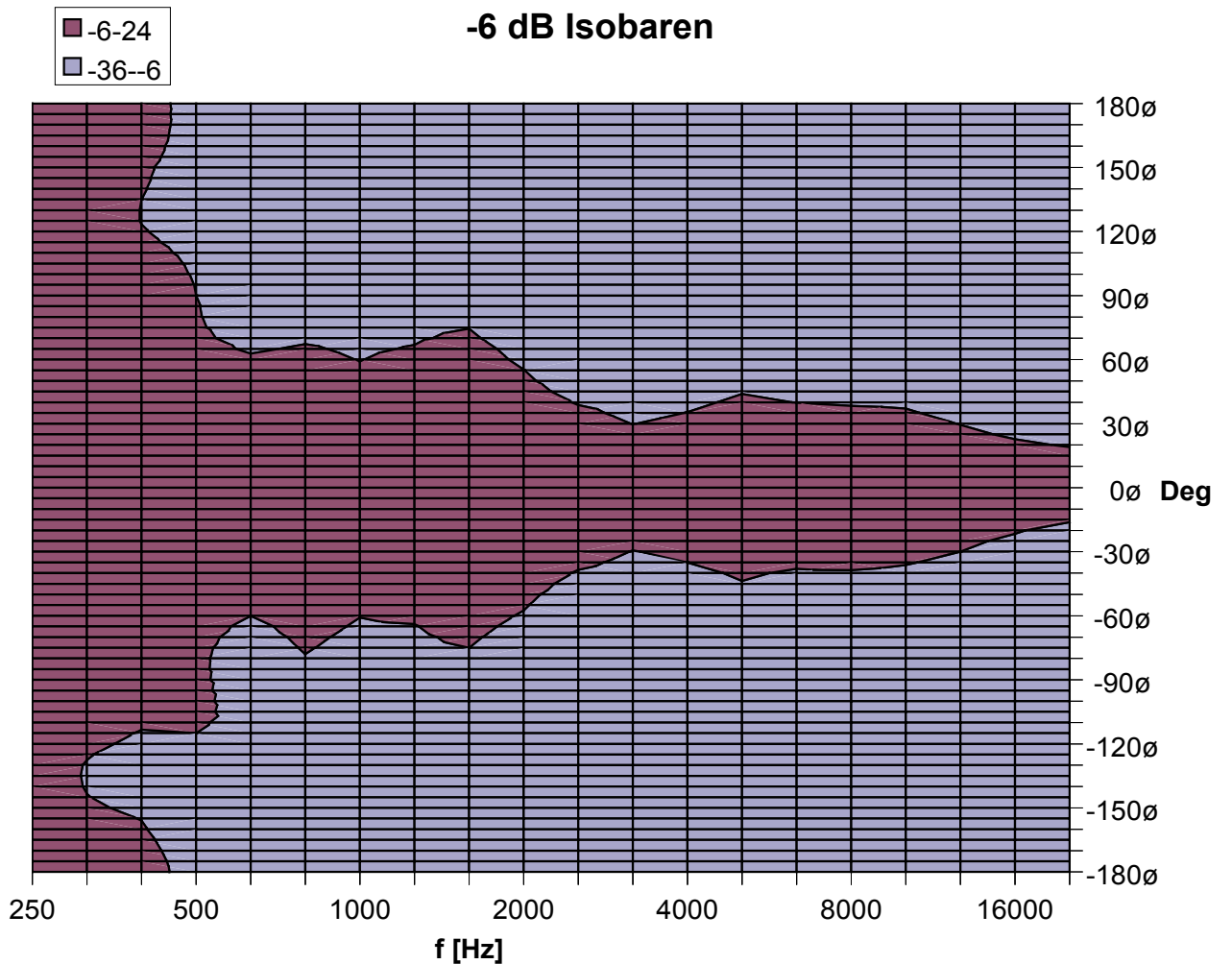


3D Directivity Plot

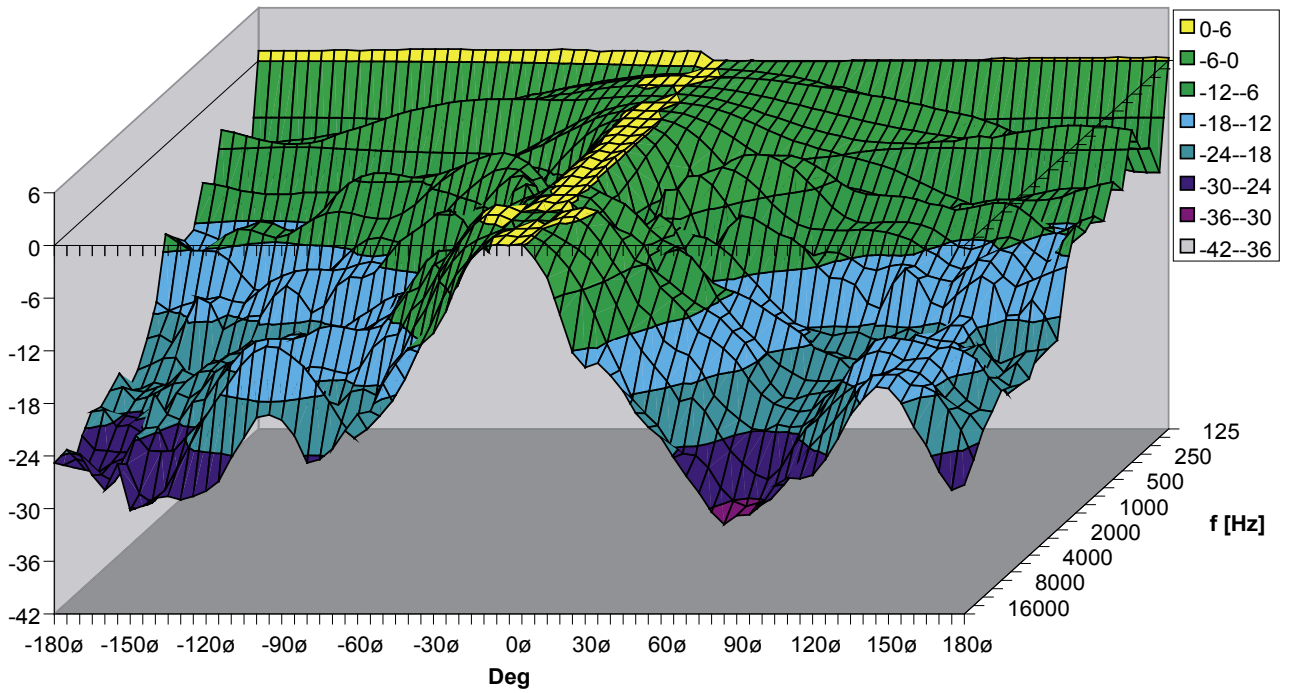


-6 dB Isobary Horizontal

-6 dB Isobaren



3D Directivity Plot



-6 dB Isobar Vertical

-6 dB Isobaren

