

8"

8FHM

Exclusive 8 Tiefmitteltöner


REDCAT®


Key features:

EXTENDED FREQUENCY RESPONSE

1K CARBON-FIBER NOMEMX CORE HONEYCOMB CONE

IDEAL FOR HIGH QUALITY HI-FI APPLICATIONS, STUDIO MONITORS

Design notes:

The 8FHM is a high efficiency, (91 dB 1watt / 1 meter) 8-inch mid-woofer with incredibly linear frequency response characteristics and ultra low harmonic distortion artifacts. The 8FHM uses a lightweight 1k carbon fiber material, assembled from both sides of Nomex honey-comb core. This unique cone provides the ideal weight to strength ratio. The rubber surround has been FEM modeled and optimized. The honeycomb cone with high end 1k carbon

fiber material provides remarkable strength, while pushing the cone break-up modes to high frequencies, significantly extending the working range of the speaker.

are further improving the high frequency behavior.

The cone

The 8FHM cone is made using 1k carbon fiber hone-comb, placed from both sides of Nomex core, while the dustcap is made off hard-anodization reinforced aluminum. The dustcap shape and the hard anodizing

Specifications:

General specs

Nominal Diameter: 8 in.

Rated Impedance: 8 Ohm

Power handling

AES Power: 50 Watts

Program Power: 100 Watts

Peak Power: 200 Watts

Voice Coil

Diameter: 1.4 in.

Winding wire: CCAW

Former: Kapton

Winding height: 18 mm

T/S Parameters

Resonant frequency: 35 Hz

Re: 5.9 ohm

Qes: 0.22

Qms: 8

Qts: 0.21

Vas: 22.5 liters

Sd: 216.4 cm²

Sensitivity: 91 dB

Mms: 50 grams

Bl: 19

Le: 2.4 mH

Design details

Surround Material: Rubber

Cone material: CF honeycomb

Spider: Single nomex

Plate thickness: 8 mm

Peak to peak linear cone

Displacement: 13 mm

Overall diameter: 150 mm

Bolt circle diameter: 125 mm

Baffle cutout dia.: 98 mm

Number of mounting holes: 8

Depth (flange to rear): 22 mm

Net weight: 10.0 kg

Ordering codes:

4 ohm version: /

8 ohm version: 8FHM8-091F

Round basket 4ohm: /

Recone kits:

4 ohm version: RC8FHM-091

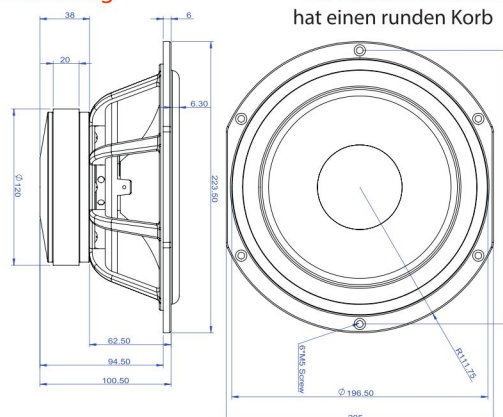
8 ohm version: N/A

16 ohm version: N/A

Frequency response & Impedance



2D drawing



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