

8" 8FHM

Mid-Woofer



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, (89 dB 1 watt / 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 honeycomb 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.

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 are further improving the high frequency behavior.

Specifications:

General specs	
Nominal Diameter:	8 "
Rated Impedance:	4 ohm
Power handling	
AES Power:	50 watts
Program Power:	100 watts
Peak Power:	200 watts
Voice Coil	
Diameter:	35.6 mm
Winding wire:	CCA W
Former:	kapton
Winding height:	18 mm

T/S Parameters	
Resonant frequency:	38 Hz
Re:	3.6 ohm
Qes:	0.41
Qms:	12.9
Qts:	0.39
Vas:	32.1 liters
Sd:	206.1 cm ²
Sensitivity:	89.04 dB
Mms:	31.5 grams
Bl:	8.19
Le:	0.46 mH

Design details	
Surround Material:	NBR
Cone material:	Composite
Spider:	Nomex
Plate thickness:	8 mm
Overall diameter:	223.5 mm
Bolt circle diameter:	210 mm
Baffle cutout dia.:	189 mm
Mounting holes:	6
Depth:	94.5 mm
Net weight:	2.8 kg

Ordering codes:

DR-8-017-4R-B2-C0001

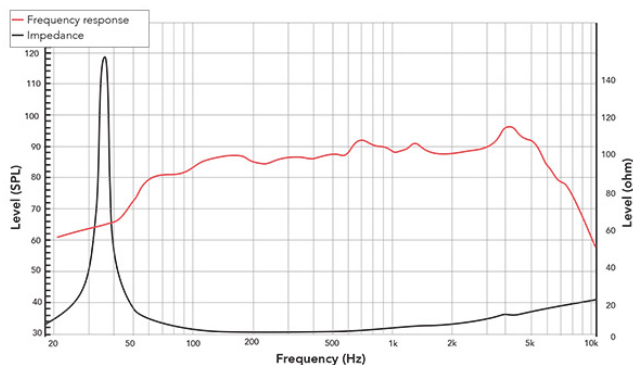
Legacy code: 8FHMx4-091

Recone kits:

RC8FHMx4-091

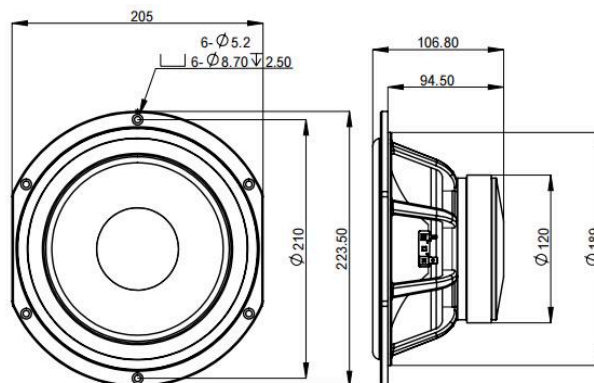
In many cases REDCATT produces 4, 8 and 16 ohm versions — indicate what impedance you need in your request.

Frequency response & Impedance



Frequency response measured on IEC baffle

2D drawing



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