8" | 8FR

Full-range

REDCATT

Key features:

- LIGHWEIGHT, YET STRONG PAPER CONE REINFORCED BY BAMBOO FIBERS
- WORKING RANGE UP TO 15KHZ
- AESTHETICS TUNED FOR MODER HI-FI LOOK

Design notes:

8FR was developed for Hi-Fi applications where single point audio source is required. Our engineers designed the cone to be lightweight, yet strong, using our new paper pulp reinforced by bamboo fibers. The driver sports wizard cone that extends the working range up to 15kHz, paired with bullet style phase plug. Combination of these two key features ensures smooth frequency response and an optimal sound reproduction on and off axes.

Magnetic circuit was design to deliver robust B field across the whole range of working frequencies. Additional copper shorting cup further improves the driver behavior in mid-high working region.
The aesthetics of this driver were tuned to support modern hi-fi system designs, where the driver can be exposed to the end user. Distinctive colors ensures the driver can be featured as part of the overall industrial design.

Specifications:

General specs	
Nominal Diameter:	8"
Rated Impedance:	4 ohm

Power handling	
AES Power:	30 watts
Program Power:	60 watts
Peak Power:	120 watts

Voice Coil	
Diameter:	1.6 in.
Winding wire:	Aluminum
Former:	kapton
Winding height:	17.6 mm

T/S Parameters	
Resonant frequency:	53 Hz
Re:	3.8 ohm
Qes:	0.396
Qms:	8.473
Qts:	0.378
Vas:	36.8 liters
Sd:	213.8 cm2
Sensitivity:	93 dB
Mms:	18.38 grams
Bl:	7.86
Le:	0.08 mH

Design details	
Surround Material:	Fabric
Cone material:	Paper
Spider:	Nomex
Plate thickness:	6 mm
Peak to peak linear cone displacement	9.8 mm
Overall diameter:	210 mm
Bolt circle diameter:	195.5 mm
Baffle cutout dia.:	186.88 mm
Number of mounting holes:	8
Depth (flange to rear):	91.8 mm
Net weight:	2.55kg

Ordering codes:

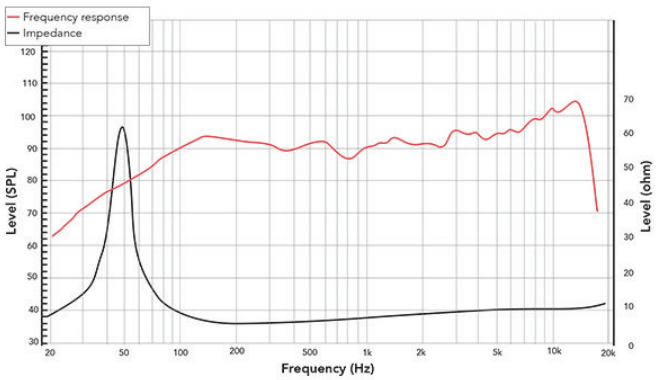
8FR-X4 ohm-551A

Recone kits:

RC8FRX-551A

In many cases REDCATT produces 4 ohms, 8 ohms and 16 ohms versions. Indicate what impedance do you need in your request.

Frequency response & Impedance



Frequency response measured on IAC baffle

2D drawing