10" | 101FHW

Sub-woofer

REDCATT

Key features:

- FIBER REINFORCED PAPER CONE
- TWO DEMODULATION RINGS
- OPTMIZED AIR VENTILATION

Design notes:

Introducing the 101FHW: the latest iteration of our award-winning 10FHW woofer model. This high-efficiency 10-inch subwoofer delivers an impressive 87dB sensitivity (1 watt / 1 meter), offering extended low-frequency response and robust power handling capabilities.

Crafted with a fiber-reinforced paper cone assembly and a single roll rubber surround, the 101FHW is built for durability and performance. Its Nomex spider, featuring stitched tinsel wires, ensures long-lasting reliability even in high-powered applications. Enhanced back plate space and additional venting have been integrated to optimize power handling and cooling, making this woofer truly exceptional.

The carefully selected materials provide remarkable strength, high efficiency, and sustained output under extreme conditions.

On the magnetic front, our REDCATT engineers have designed a cutting-edge ferrite-based magnetic circuit that sets a new standard for performance. This innovative design features a consistent, high-integrity magnetic flux gap, ultra-low distortion characteristics, and an efficient cooling system. With integrated aluminum shorting rings, the magnetic circuit minimizes flux modulation, ensuring exceptional stability

Specifications:

General specs	
Nominal Diameter:	10"
Rated Impedance:	8 ohm

Power handling	
AES Power:	200 watts
Program Power:	400 watts
Peak Power:	800 watts

Voice Coil	
Diameter:	2 in.
Winding wire:	Copper
Former:	Aluminum
Winding height:	32.3 mm

T/S Parameters	
Resonant frequency:	25 Hz
Re:	5.8 ohm
Qes:	0.43
Qms:	1.76
Qts:	0.34
Vas:	73.3 liters
Sd:	363 cm2
Sensitivity:	87 dB
Mms:	100.2 grams
Bl:	14.6
Le:	0.63 mH

Design details	
Surround Material:	Rubber
Cone material:	Paper
Spider:	Nomex
Plate thickness:	8 mm
Peak to peak linear cone displacement	27.6 mm
Overall diameter:	269 mm
Bolt circle diameter:	257 mm
Baffle cutout dia.:	238 mm
Number of mounting holes:	8
Depth (flange to rear):	123 mm
Net weight:	6kg

Ordering codes:

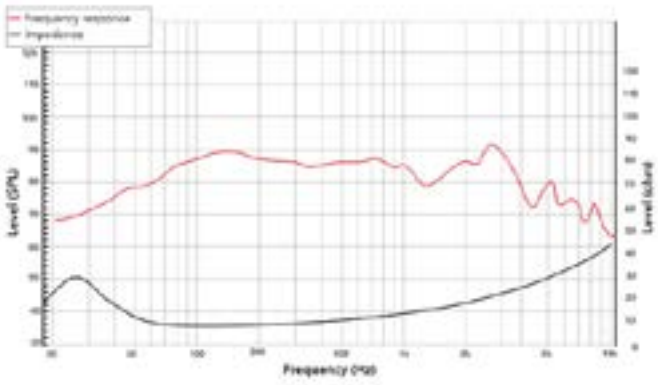
101FHW-X8 ohm-118D

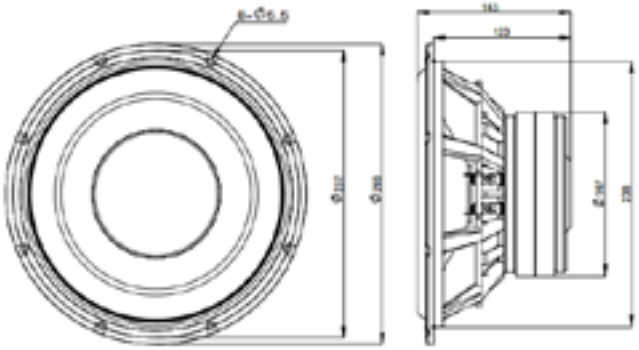
Recone kits:

RC101FHWX-118D

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