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 and reliability.

Experience the power and precision of the 101FHW—where cutting-edge technology meets outstanding performance.

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:	**50.8 mm**
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:	**NBR**
Cone material:	**Paper GF**
Spider:	**Nomex**
Plate thickness:	**8 mm**
Overall diameter:	**269 mm**
Bolt circle diameter:	**257 mm**
Baffle cutout dia.:	**238 mm**
Mounting holes:	**8**
Depth:	**123 mm**
Net weight:	**6 kg**

Ordering codes:

DR-10-006-8R-B2-C0001

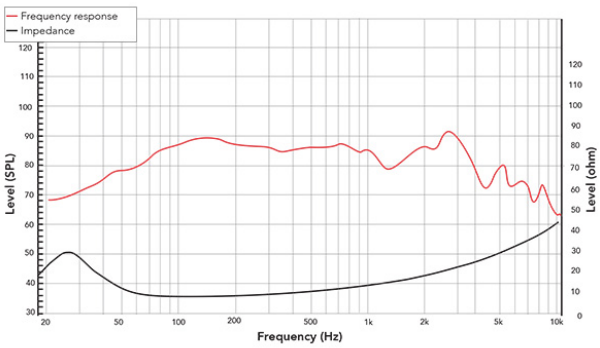
Legacy code: **101FHWX8-118D**

Recone kits:

RC101FHWX8-118D

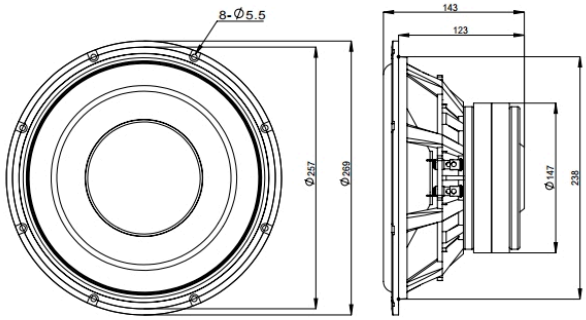
In many cases REDCATT produces 4, 8 and 16 ohm versions — indicate what impedance you need in your request.

Frequency response & Impedance



Frequency response measured on IEC baffle

2D drawing



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