10" | 10FIND

Mid-woofer

REDCATT

Key features:

- GLASS FIBER LOADED PAPER CONE
- 2 DEMODULATION RINGS, POWERFUL MOTOR STRUCTURE
- HIGH SPL, LOW THD

Design notes:

The 10FIND is a high efficiency, (96 dB 1watt / 1 meter) 10-inch woofer with linear frequency response characteristics, high power handling capability, while generating ultra low harmonic distortion artifacts. The 10FIND uses a lightweight glass fiber loaded cone assembly along with a high excursion double roll surround. This combination provides a lightweight, yet strong, piston.

Magnetic Circuit

REDCATT engineers have developed a ferrite based magnetic circuit, capable of delivering the highest level of performance, providing a consistent, high integrity magnetic flux gap, ultra low distortion characteristic and high efficiency cooling system. The magnetic structure has integrated two aluminum shorting rings. The magnetic circuit design is optimized to generate the minimum amount of flux modulation, providing exceptional stability.

Specifications:

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

Power handling	
AES Power:	250 watts
Program Power:	500 watts
Peak Power:	1000 watts

Voice Coil	
Diameter:	2.5 in.
Winding wire:	CCAW
Former:	Glass Fiber
Winding height:	13.5 mm

T/S Parameters	
Resonant frequency:	66 Hz
Re:	5.5 ohm
Qes:	0.41
Qms:	13.13
Qts:	0.39
Vas:	23.5 liters
Sd:	346 cm2
Sensitivity:	96 dB
Mms:	41.3 grams
Bl:	15.5
Le:	0.68 mH

Design details	
Surround Material:	Fabric
Cone material:	Paper
Spider:	Nomex
Plate thickness:	8 mm
Peak to peak linear cone displacement	15.4 mm
Overall diameter:	262 mm
Bolt circle diameter:	246 mm
Baffle cutout dia.:	230 mm
Number of mounting holes:	8
Depth (flange to rear):	108.5 mm
Net weight:	4.55kg

Ordering codes:

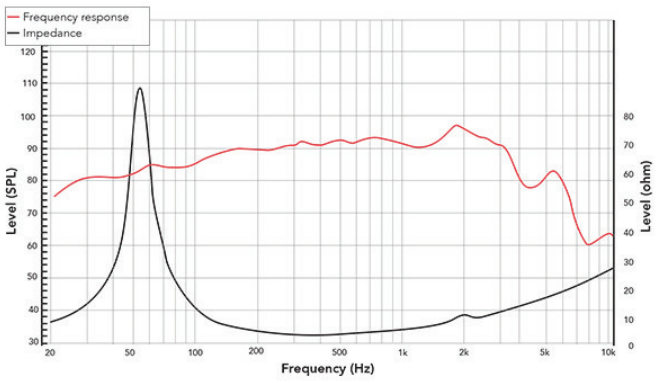
10FIND-X8 ohm-033

Recone kits:

RC10FINDX-033

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