18" | 183FIND

Ferrite woofer

Key features:

- OPTIMIZED FERRITE MAGNETIC STRUCTURE
- LIGHTWEIGHT, YET STRONG PAPER CONE
- HI SPL

Design notes:

183FIND is a cost-effective solution for subwoofers. Its lightweight yet strong cone allows the magnetic circuit to be size optimized while delivering a seizable amount of sound pressure. With its high efficiency (98 dB 1watt / 1 meter) and high power handling capabilities, this woofer will excel in all applications with tight budgets. The cone shape and material was developed to provide an optimum low-frequency response, making the woofer good choice for subwoofer systems.¬†

Power Handling
At the core of the 183FIND is its voice coil technology featuring a composite Polyimide former material capable of withstanding peak temperatures above 280¬∞C. The winding with high-temperature specification copper wire ensures the long life of the voice coil, without the costly service cycles.¬†

The cone is also extensively treated to withstand harsh environments and high humidity. Metal parts in the speaker assembly are coated for extreme weatherization protection.

Specifications:

General specs	
Nominal Diameter:	18"
Rated Impedance:	8 ohm

Power handling	
AES Power:	600 watts
Program Power:	1200 watts
Peak Power:	2400 watts

Voice Coil	
Diameter:	3 in.
Winding wire:	Copper
Former:	Glass Fiber
Winding height:	19.8 mm

T/S Parameters	
Resonant frequency:	32 Hz
Re:	5.9 ohm
Qes:	0.43
Qms:	13.2
Qts:	0.42
Vas:	329.5 liters
Sd:	1225.4 cm2
Sensitivity:	97.07 dB
Mms:	165 grams
Bl:	21.14
Le:	0.73 mH

Design details	
Surround Material:	Fabric
Cone material:	Paper
Spider:	ET-0527
Plate thickness:	8 mm
Peak to peak linear cone displacement	8.4 mm
Overall diameter:	461 mm
Bolt circle diameter:	442 mm
Baffle cutout dia.:	422 mm
Number of mounting holes:	8
Depth (flange to rear):	184 mm
Net weight:	8.8kg

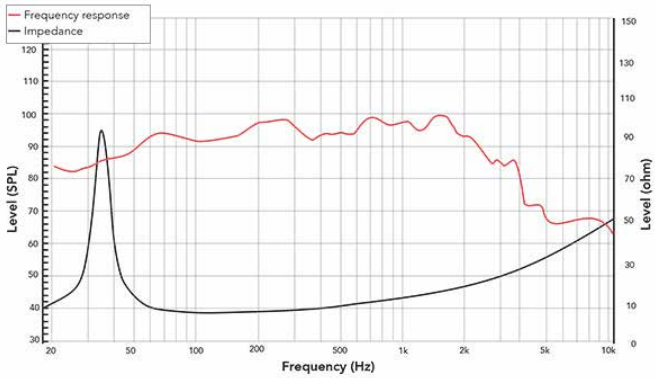
Ordering codes:

183FINDX8-297

Recone kits:

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