



Key features:

- EXTENDED FREQUENCY RESPONSE
- OPTIMIZED VENTING SYSTEM
- HIGH POWER HANDLING

Design notes:

The 18FIND is a high efficiency, (97 dB 1watt / 1 meter) 18-inch woofer with incredibly linear frequency response characteristics, high power handling capability while generating low harmonic distortion artifacts. The 18FIND uses a lightweight glass fiber loaded cone assembly along with a high excursion triple roll constant geometry surround. This combination provides remarkable strength, high efficiency and a peak to peak maximum excursion of

30mm.

Power Handling

At the core of the 18FIND is it's voice coil technology featuring a composite Polyimide former material capable of withstanding peak temperatures in excess of 250C, well beyond the thermal requirements of modern professional audio systems.

REDCATT has implemented a silicone

spider design to ensure long term shape memory, consistency and diminish anomalies associated with spider deterioration.

Specifications:

General specs

Nominal Diameter: 18"
 Rated Impedance: 8 ohm

Power handling

AES Power: 1000 watts
 Program Power: 2000 watts
 Peak Power: 4000 watts

Voice Coil

Diameter: 4 in.
 Winding wire: Copper
 Former: Glass Fiber
 Winding height: 23.7 mm

T/S Parameters

Resonant frequency: 36 Hz
 Re: 5.2 ohm
 Qes: 0.44
 Qms: 8.4
 Qts: 0.42
 Vas: 203.4 liters
 Sd: 1257 cm²
 Sensitivity: 97.24 dB
 Mms: 211.8 grams
 Bl: 23.6
 Le: 1.74 mH

Design details

Surround Material: Fabric
 Cone material: Paper
 Spider: Nomex
 Plate thickness: 12 mm
 Peak to peak linear cone displacement: 10.4 mm
 Overall diameter: 468 mm
 Bolt circle diameter: 442 mm
 Baffle cutout dia.: 426 mm
 Number of mounting holes: 8
 Depth (flange to rear): 184 mm
 Net weight: 13.7kg

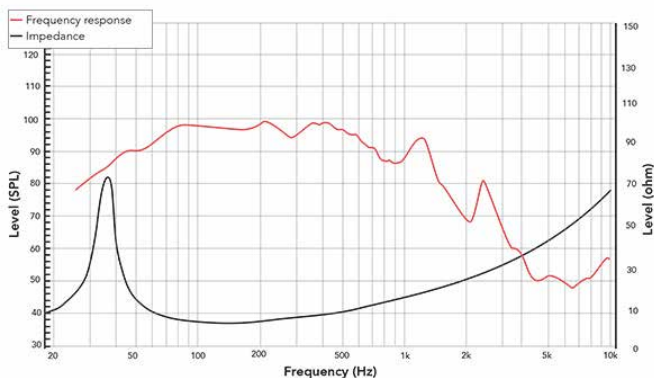
Ordering codes:

18FINDX8-036

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

