



### Key features:

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

### Design notes:

The 18FIND is a high efficiency, (97 dB 1 watt / 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 21mm.

#### Power Handling

At the core of the 18FIND is it, Åôs 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 cm<sup>2</sup>  
Sensitivity: 97 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: 20.8 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:

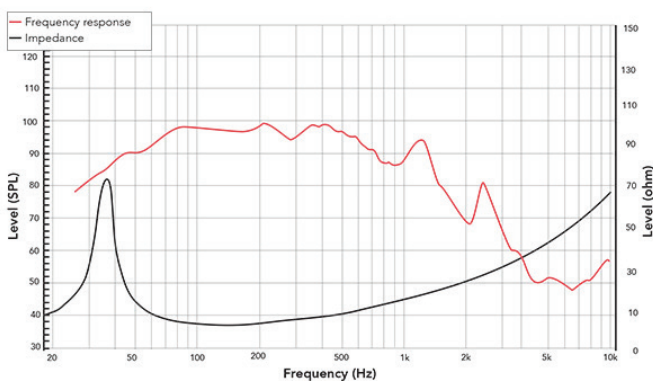
18FIND-X8 ohm-036

#### Recone kits:

RC18FINDX-036

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

