

# 15" | 15FIND

## Woofer



### Key features:

- GLASS FIBER AND RIB REINFORCED PAPER CONE
- FEM OPTIMIZED AIR CIRCULATION
- SILICONE SEALED SURROUND

### Design notes:

The 15FIND is a high efficiency, (97 dB 1watt / 1 meter) 15-inch woofer with incredibly linear frequency response characteristics, extreme high power handling capability while generating low harmonic distortion artifacts. The 15FIND uses a lightweight, but strong, 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 maxi-

mum excursion of 21mm.

#### Power Handling

At the core of the 15FIND is it, Åôs voice coil technology featuring a composite Polyimide former material capable of withstanding peak temperatures in excess of 250°C, well beyond the thermal requirements of modern professional audio systems. Winding is wound on the outside and inside of the former.

REDCATT has implemented a silicone spider design to ensure long term Fs memory, consistency and diminish anomalies associated with spider deterioration. The sealed spider works as an air pump and pushes the air through the motor to increase heat transfer and cooling of the parts.

### Specifications:

#### General specs

Nominal Diameter: 15"  
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: 25.5 mm

#### T/S Parameters

Resonant frequency: 42 Hz  
Re: 5.4 ohm  
Qes: 0.37  
Qms: 8.31  
Qts: 0.36  
Vas: 96.4 liters  
Sd: 881 cm<sup>2</sup>  
Sensitivity: 97 dB  
Mms: 159.6 grams  
Bl: 24.6  
Le: 1.18 mH

#### Design details

Surround Material: Fabric  
Cone material: Paper  
Spider: Nomex  
Plate thickness: 12 mm  
Peak to peak linear cone displacement: 21 mm  
Overall diameter: 392 mm  
Bolt circle diameter: 373 mm  
Baffle cutout dia.: 360 mm  
Number of mounting holes: 8  
Depth (flange to rear): 150 mm  
Net weight: 12kg

#### Ordering codes:

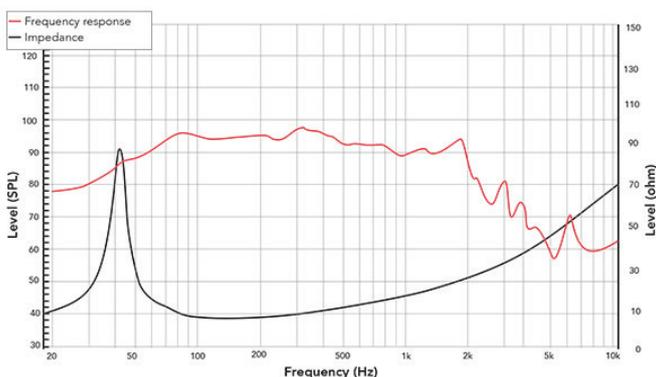
15FIND-X8 ohm-035

#### Recone kits:

RC15FINDX-035

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

