15" | 152FIND

Ferrite Woofer

REDCAT

Key features:

- EXTENDED LOW FREQUENCY RESPONSE
- LIGHTWEIGHT CARBON FIBER LOADED PAPER CONE
- HIGH SPL

Design notes:

The 152FIND is a high efficiency, (99.5 dB 1watt / 1 meter) 15-inch woofer with incredibly linear frequency response characteristics, high power handling capability while generating low harmonic distortion artifacts. The 152FIND uses a lightweight carbon 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 14mm (0.55in).

Power Handling
At the core of the 152FIND is it‚Äôs voice coil technology featuring a composite Polyimide former material capable of withstanding peak temperatures in excess of 280C, well beyond the thermal requirements of modern professional audio systems.

The 152FIND cone and dust cap are made using an advanced carbon fiber loaded REDCATT pulp. The woofer 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:	15"
Rated Impedance:	8 ohm

Power handling	
AES Power:	800 watts
Program Power:	1600 watts
Peak Power:	3200 watts

Voice Coil	
Diameter:	3 in.
Winding wire:	CCAW
Former:	Glass Fiber
Winding height:	18.9 mm

T/S Parameters	
Resonant frequency:	44 Hz
Re:	4.8 ohm
Qes:	0.38
Qms:	13
Qts:	0.37
Vas:	128.5 liters
Sd:	829.6 cm2
Sensitivity:	99.03 dB
Mms:	95.6 grams
Bl:	18.3
Le:	0.98 mH

Design details	
Surround Material:	Fabric
Cone material:	Paper
Spider:	Nomex
Plate thickness:	10 mm
Peak to peak linear cone displacement	7.5 mm
Overall diameter:	392 mm
Bolt circle diameter:	373 mm
Baffle cutout dia.:	360 mm
Number of mounting holes:	8
Depth (flange to rear):	137 mm
Net weight:	8.5kg

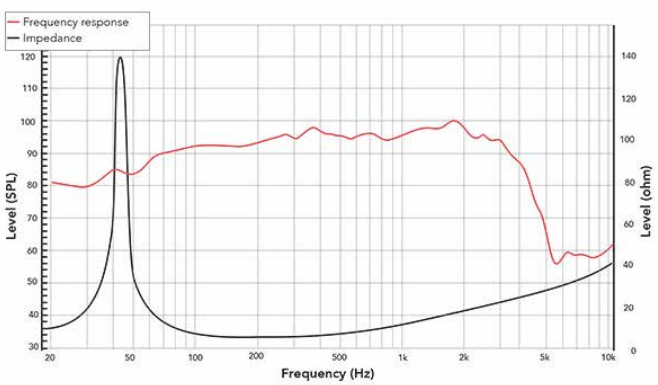
Ordering codes:

152FINDX8-115

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