

15" | 15FPM

Mid-woofer



Key features:

- CARBON FIBER REINFORCED PAPER CONE
- SQUARE ALUMINUM WINDING WIRE (ALR)
- GREAT OPTION FOR POWERFUL 2-WAY SYSTEMS

Design notes:

The 15FPM is a high efficiency, (98 dB 1 watt / 1 meter) 15-inch woofer with incredibly linear frequency response characteristics. The 15FPM uses a light-weight, but strong, carbon fiber loaded cone assembly along with a high excursion triple roll constant geometry surround. Cone material was specifically developed with 2-way or multi-way application in mind. The 15FPM has extended mid frequency range, providing possibility for cross overs

at higher frequencies.

Power Handling

At the core of the 15FPM is it, the 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. The coil is wound on the outside of the former. Winding material is aluminum ribbon, ma-

terial that provides ideal transient response.

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: Aluminum Sq.

Former: Glass Fiber

Winding height: 21 mm

T/S Parameters

Resonant frequency: 41 Hz

Re: 5.2 ohm

Qes: 0.38

Qms: 8.07

Qts: 0.36

Vas: 134.9 liters

Sd: 908 cm²

Sensitivity: 98 dB

Mms: 126.6 grams

Bl: 21.3

Le: 1.17 mH

Design details

Surround Material: Fabric

Cone material: Paper

Spider: Nomex

Plate thickness: 12 mm

Peak to peak linear cone displacement: 15.4 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:

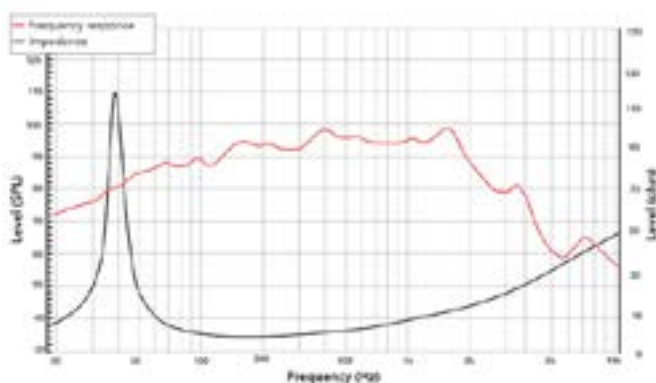
15FPM-X8 ohm-063

Recone kits:

RC15FPMX-063

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

