



Key features:

- EXTENDED FREQUENCY RESPONSE
- RIB REINFORCED PAPER CONE
- HIGH POWER HANDLING

Design notes:

The 123FPM is a high efficiency, (98.5 dB 1watt / 1 meter) 12-inch mid bass woofer with incredibly linear frequency response characteristics. The 123FPM uses a lightweight rib-reinforced cone assembly along with a precision double roll constant geometry surround. This combination provides remarkable strength, high efficiency and a excursion linearity of 12mm.

Magnetic Circuit
REDCATT engineers have developed a lightweight, inside-neodymium slug based magnetic circuit capable of delivering the highest level of performance providing a consistent, high integrity magnetic flux gap, ultra low distortion characteristic and high efficiency cooling system. The magnetic circuit design is optimized to generate the minimum amount of flux modulation, providing exceptional stability.

Specifications:

General specs

Nominal Diameter: 12"
Rated Impedance: 4 ohm

Power handling

AES Power: 300 watts
Program Power: 600 watts
Peak Power: 1200 watts

Voice Coil

Diameter: 2.5 in.
Winding wire: CCAW
Former: Glass Fiber
Winding height: 13.5 mm

T/S Parameters

Resonant frequency: 45 Hz
Re: 3.1 ohm
Qes: 0.29
Qms: 4.96
Qts: 0.27
Vas: 98.5 liters
Sd: 531 cm²
Sensitivity: 97.75 dB
Mms: 52.1 grams
Bl: 12.8
Le: 0.42 mH

Design details

Surround Material: Fabric
Cone material: Paper
Spider: Nomex
Plate thickness: 8 mm
Peak to peak linear cone displacement: 5.1 mm
Overall diameter: 320 mm
Bolt circle diameter: 302 mm
Baffle cutout dia.: 282 mm
Number of mounting holes: 8
Depth (flange to rear): 127.8 mm
Net weight: 5kg

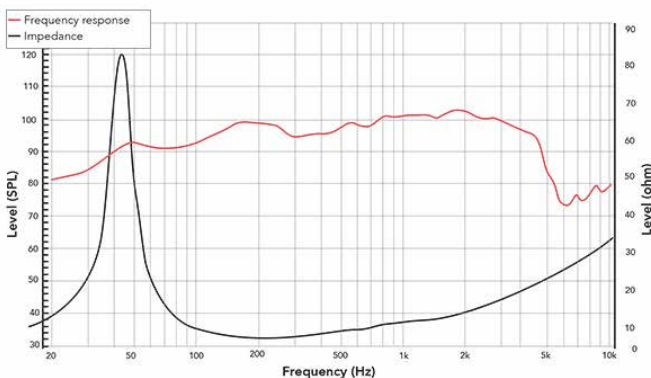
Ordering codes:

123FPMX4-188B

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

