

12" 123FPM

Mid-Woofer



Key features:

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

Design notes:

The 123FPM is a high efficiency, (98 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 10.2mm.

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:	63.5 mm
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 cm ²
Sensitivity:	97.75 dB
Mms:	52.1 grams
Bl:	12.8
Le:	0.42 mH

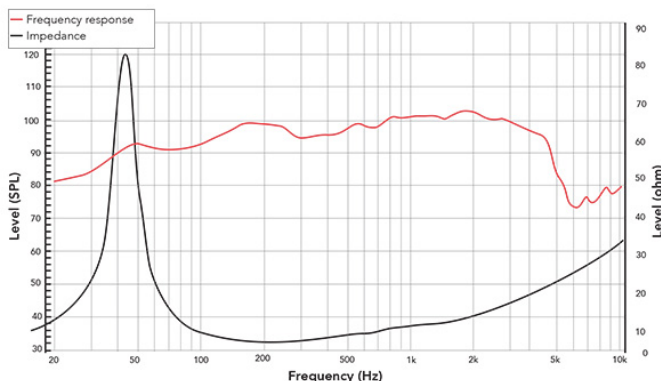
Design details	
Surround Material:	fabric
Cone material:	Paper GF
Spider:	Nomex
Plate thickness:	8 mm
Overall diameter:	320 mm
Bolt circle diameter:	302 mm
Baffle cutout dia.:	282 mm
Mounting holes:	8
Depth:	127.8 mm
Net weight:	5 kg

Ordering code:

DR-12-020-4R-B2-C0001

In many cases REDCATT produces 4, 8 and 16 ohm versions — indicate what impedance you need in your request.

Frequency response & Impedance



Frequency response measured on IEC baffle

2D drawing

