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 1watt / 1 meter) 15-inch woofer with incredibly linear frequency response characteristics. The 15FPM uses a lightweight, 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's 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, material 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 spi

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:	**101.6 mm**
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:	**97.87 dB**
Mms:	**126.6 grams**
Bl:	**21.3**
Le:	**1.17 mH**

Design details	
Surround Material:	**fabric**
Cone material:	**Paper CF**
Spider:	**Nomex**
Plate thickness:	**12 mm**
Overall diameter:	**392 mm**
Bolt circle diameter:	**373 mm**
Baffle cutout dia.:	**360 mm**
Mounting holes:	**8**
Depth:	**150 mm**
Net weight:	**12 kg**

Ordering codes:

DR-15-018-8R-B2-C0001

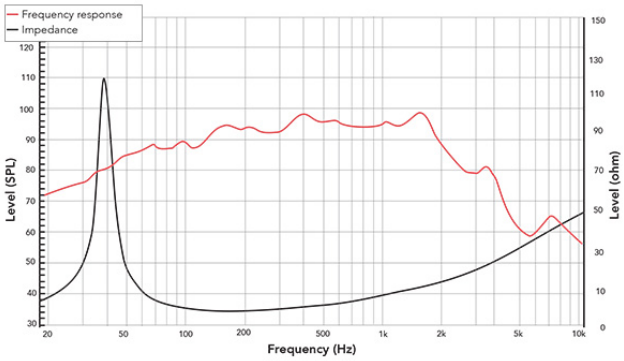
Legacy code: **15FPMX8-063**

Recone kits:

RC15FPMX8-063

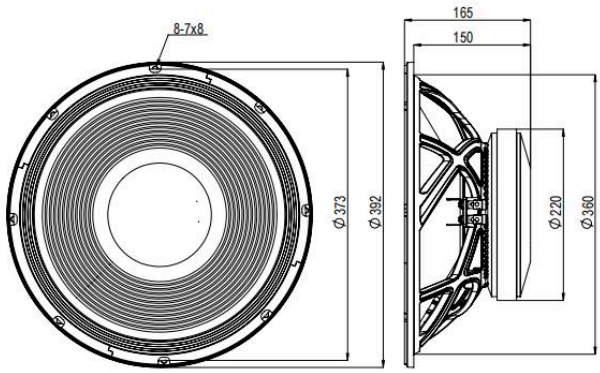
In many cases REDCATT produces 4, 8 and 16 ohm versions — indicate what impedance you need in your request.

Frequency response & Impedance



Frequency response measured on IEC baffle

2D drawing



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