

15FPM

APPLICATION:

- The 15FPM is ideal for use in vented port or band pass applications. Its design with extended mid frequency is ideal for 2-way and multi-way speaker systems



Ferrite Mid-bass Woofer

Ordering code: 15FPM-063

Cont. Power	Sens.	Fs	Freq. Range	VC Dia.	VC Wire	Cone/Surround/Dome	Magnet type
2,000 watts	98 dB	40 Hz	28 Hz - 2.5 kHz	4" 1out	Alu Ribbon	Paper w. CF / Fabric	Ferrite

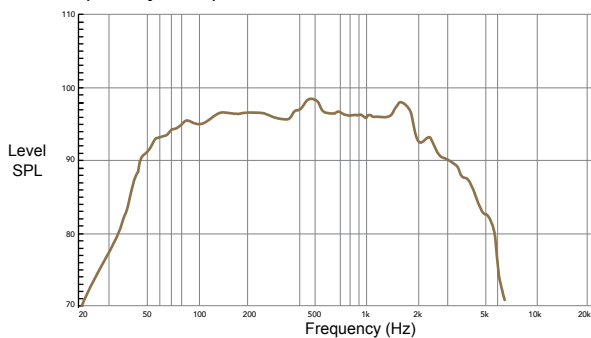
The 15FPM is a high efficiency, (98 dB 1watt / 1 meter) 15-inch woofer with incredibly linear frequency response characteristics. The 15FPM uses a lightweight, but strong, carbon fiber loaded cone assembly along with a high excursion triple roll constant geometry surround. Cone material was specifically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

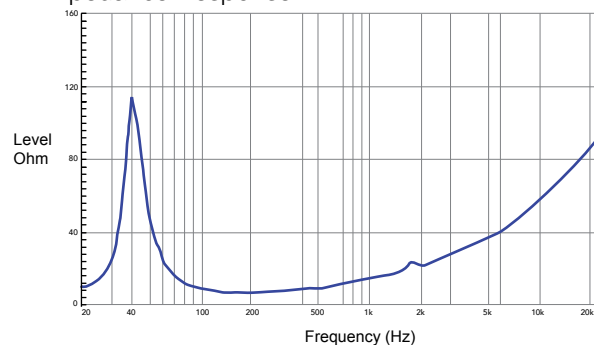
REDCATT has implemented a silicone spider design to ensure long term Fs memory, consistency and diminish anomalies associated with spider deterioration. The sealed spider works as a air pump and pushes the air trough out motor to increase heat transfer and cooling of the parts.

Frequency Response



Frequency response measurement with transducer mounted in 180 liter vented enclosure tuned to 35 Hz.

Impedance Response



General Specifications

Nominal Diameter:	381 mm (15 in.)
Rated Impedance:	8 ohm
Power Handling:	
AES Power:	1000 Watts
Power Compression @-10dB	0.7dB
Power Compression @-10dB	1.5dB
Power Compression @Max Power	2.2dB
Maximum Recommended Xover Freq.:	2,000 Hz
Recommended Enclosure Volume:	70 - 180 Liters 2 - 6 cuft.
Cone Design:	Prog. Gmtry, Redcatt Cell.
Fs	40 Hz
Re	5.5 Ohm
Sd	881 cm ² (137 in. ²)
Qms	10
Qes	0.367
Qts	0.354
Vas	138 Liters
Mms	124 g
BL product (force factor)	21.5
Peak to peak displacement (mm)	20
Le (mH @1kHz)	1.45
Overall diameter	392 mm (15.43 in.)
No. of mounting holes	8
Bolt circle diameter	372 mm (14.64 in.)
Front mount baffle cutout dia.	362 mm (14.25 in.)Nominal
Rear mount baffle cutout diameter	360 mm (14.17 in.)Nominal
Total depth	159.5 mm (6.28 in.)
Flange and gasket thickness	12 mm (0.47 in.)
Net weight	12.4 kg (27.3 lbs.)
Shipping weight	13.9 kg (30.6 lbs.)
Packing Dimensions	450x 450x 200 mm

