

15" 15FHW

Woofer



Key features:

- HI SENSITIVITY, LOW RESONANT FREQUENCY
- NOMEX SPIDER
- STRONG, YET LIGHTWEIGHT CONE

Design notes:

The 15FHW is an ultra low frequency sub-woofer, designed to deliver large amounts of very low frequencies. With 91 dB 1watt / 1 meter sensitivity, you find this 15-inch sub-woofer with incredibly linear frequency response characteristics ideally assembled in sub-woofers for hi-fi, gaming, studios or cinema. The 15FHW uses a strong paper cone, along with a high excursion single roll

rubber surround. Rubber surround material was specifically developed for this application. The shape of the surround roll was FEM optimized to ensure low distortion in whole working range.

Power Handling
At the core of the 15FHW is it's voice coil technology featuring a composite Polyimide

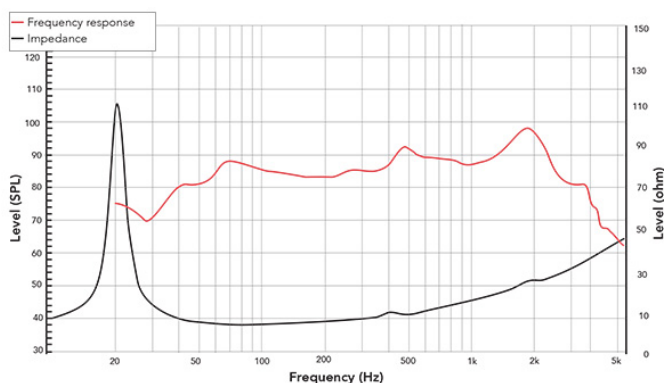
former material capable of withstanding peak temperatures in excess of 200°C, well beyond the thermal requirements of modern professional audio systems.

REDCATT has implemented a Nomex(r) spider design to ensure long term Fs memory, consistency and diminish anomalies associated with spider deterioration.

Specifications:

General specs	T/S Parameters	Design details	Ordering code:
Nominal Diameter: 15 "	Resonant frequency: 24 Hz	Surround Material: NBR	DR-15-016-8R-B2-C0001
Rated Impedance: 8 ohm	Re: 5.8 ohm	Cone material: Paper GF	
Power handling	Qes: 0.63	Plate thickness: 10 mm	In many cases REDCATT produces 4, 8 and 16 ohm versions — indicate what impedance you need in your request.
AES Power: 400 watts	Qms: 11.9	Overall diameter: 385 mm	
Program Power: 800 watts	Qts: 0.6	Bolt circle diameter: 371 mm	
Peak Power: 1600 watts	Vas: 221.2 liters	Baffle cutout dia.: 349 mm	
Voice Coil	Sd: 804 cm²	Mounting holes: 8	
Diameter: 76 mm	Sensitivity: 90.67 dB	Depth: 168.1 mm	
Winding wire: Copper	Mms: 169.6 grams	Net weight: 6.8 kg	
Former: Glass Fiber	Bl: 15.8		
Winding height: 19.7 mm	Le: 0.96 mH		

Frequency response & Impedance



Frequency response measured on IEC baffle

2D drawing

