



**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 90 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,Â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**

Nominal Diameter: 15"  
Rated Impedance: 8 ohm

**Power handling**

AES Power: 400 watts  
Program Power: 800 watts  
Peak Power: 1600 watts

**Voice Coil**

Diameter: 3 in.  
Winding wire: Copper  
Former: Glass Fiber  
Winding height: 19.7 mm

**T/S Parameters**

Resonant frequency: 24 Hz  
Re: 5.8 ohm  
Qes: 0.63  
Qms: 11.9  
Qts: 0.6  
Vas: 221.2 liters  
Sd: 804 cm2  
Sensitivity: 90.67 dB  
Mms: 169.6 grams  
Bl: 15.8  
Le: 0.96 mH

**Design details**

Surround Material: Rubber  
Cone material: Paper  
Spider: Cotton  
Plate thickness: 10 mm  
Peak to peak linear cone displacement: 9.8 mm  
Overall diameter: 385 mm  
Bolt circle diameter: 371 mm  
Baffle cutout dia.: 349 mm  
Number of mounting holes: 8  
Depth (flange to rear): 168.1 mm  
Net weight: 6.8kg

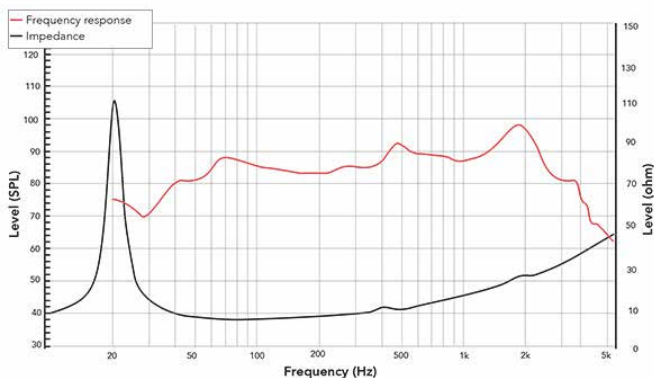
**Ordering codes:**

15FHWX8-089

**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**

