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‚Äôs 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:	91 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	19.6 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

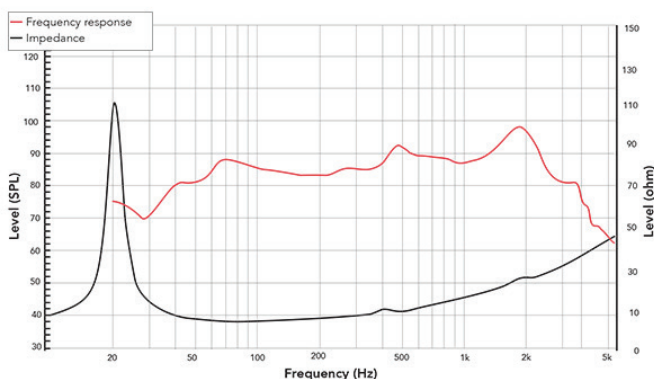| Ordering codes: |
| --- |
| 15FHW-X8 ohm-089 |

Recone kits:

RC15FHWX-089

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