



Key features:

- HI SENSITIVITY, LOW RESONANT FREQUENCY
- NOMEMX 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 1 watt / 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.

ern professional audio systems.

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

Specifications:

General specs

Nominal Diameter:	15 in.
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:	TIL
Winding height:	32 mm

T/S Parameters

Resonant frequency:	21 Hz
Re:	5.6 ohm
Qes:	0.52
Qms:	6,5
Qts:	0.48
Vas:	315liters
Sd:	804 cm ²
Sensitivity:	90 dB
Mms:	172
Bl:	15.7
Le:	1.5 mH

Design details

Surround Material:	Rubber
Cone material:	Paper
Spider:	Single nomex
Plate thickness:	10 mm
Peak to peak linear cone Displacement	22 mm
Overall diameter:	385 mm
Bolt circle diameter:	371 mm
Baffle cutout dia.:	347 mm
Number of mounting holes:	8
Depth (flange to rear):	180 mm
Net weight:	7.7 kg

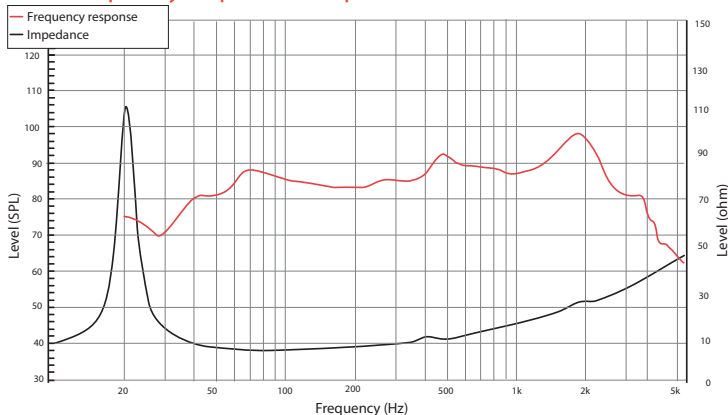
Ordering codes:

4 ohm version:	-NA-
8 ohm version:	15FHWX8-089
16 ohm version:	-NA-

Recone kits:

4 ohm version:	-NA-
8 ohm version:	RC15FHWX8-089
16 ohm version:	-NA-

Frequency response & Impedance



Frequency response measured in box

2D drawing

