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	
Nominal Diameter:	**15 "**
Rated Impedance:	**8 ohm**
Power handling	
AES Power:	**400 watts**
Program Power:	**800 watts**
Peak Power:	**1600 watts**
Voice Coil	
Diameter:	**76 mm**
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:	**NBR**
Cone material:	**Paper GF**
Plate thickness:	**10 mm**
Overall diameter:	**385 mm**
Bolt circle diameter:	**371 mm**
Baffle cutout dia.:	**349 mm**
Mounting holes:	**8**
Depth:	**168.1 mm**
Net weight:	**6.8 kg**
Packaging:	**430x430x230 mm**

Ordering codes:

DR-15-016-8R-B2-C0001

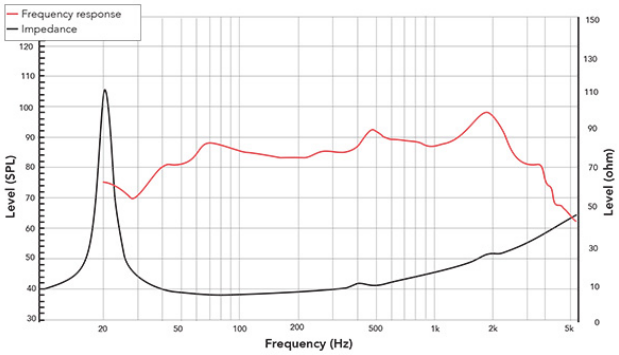
Legacy code: **15FHWX8-089**

Recone kits:

RC15FHWX8-089

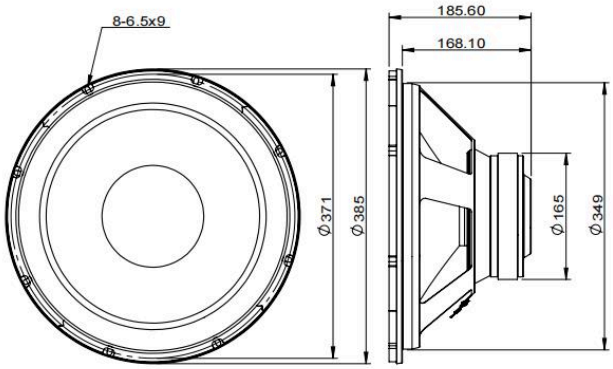
In many cases REDCATT produces 4, 8 and 16 ohm versions — indicate what impedance you need in your request.

Frequency response & Impedance



Frequency response measured on IEC baffle

2D drawing



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