

# 10" | 10FHW

# Sub-woofer



### Key features:

- ANODIZED ALUMINUM CONE
- TWO DEMODULATION RINGS
- OPTIMIZED AIR VENTILATION

### Design notes:

Introducing the 10FHW: the latest evolution of our acclaimed 10FHW woofer model. This high-efficiency 10-inch sub-woofer boasts an impressive 86dB sensitivity (1 watt / 1 meter), delivering extended low-frequency response and exceptional power handling capabilities.

Crafted with a robust anodized aluminum cone assembly and a single roll rubber surround, the 10FHW is designed for

durability and performance. Its Nomex spider, complete with stitched tinsel wires, ensures longevity even in high-powered scenarios. Enhanced back plate space and additional venting optimize power handling and cooling, making this woofer a standout in its class.

Our innovative material selection guarantees remarkable strength, high efficiency, and sustained output under the most

demanding conditions.

On the magnetic front, REDCATT engineers have developed a cutting-edge ferrite-based magnetic circuit that elevates performance to new heights. This design features a consistent, high-integrity magnetic flux gap, ultra-low distortion characteristics, and an efficient cooling system. With integrated aluminum shorting rings, our optimized magnetic circuit minimizes flux

### Specifications:

#### General specs

Nominal Diameter: 10"  
 Rated Impedance: 8 ohm

#### Power handling

AES Power: 200 watts  
 Program Power: 400 watts  
 Peak Power: 800 watts

#### Voice Coil

Diameter: 2 in.  
 Winding wire: Copper  
 Former: Aluminum  
 Winding height: 32.3 mm

#### T/S Parameters

Resonant frequency: 24 Hz  
 Re: 5.7 ohm  
 Qes: 0.45  
 Qms: 2.37  
 Qts: 0.37  
 Vas: 65.9 liters  
 Sd: 346 cm<sup>2</sup>  
 Sensitivity: 86 dB  
 Mms: 113.4 grams  
 Bl: 14.7  
 Le: 0.58 mH

#### Design details

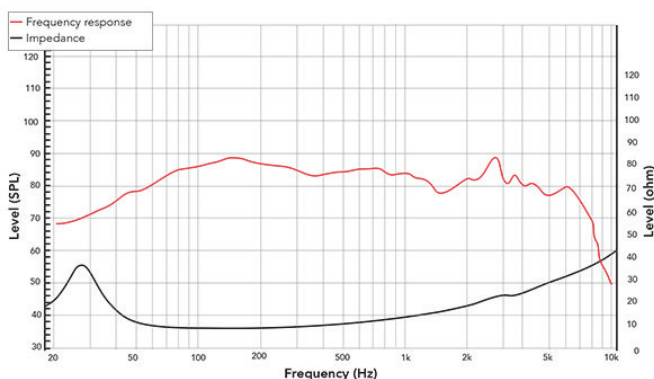
Surround Material: Rubber  
 Cone material: Aluminum  
 Spider: Nomex  
 Plate thickness: 8 mm  
 Peak to peak linear cone displacement: 27 mm  
 Overall diameter: 269 mm  
 Bolt circle diameter: 257 mm  
 Baffle cutout dia.: 238 mm  
 Number of mounting holes: 8  
 Depth (flange to rear): 123 mm  
 Net weight: 6kg

#### Ordering codes:

10FHW-X8 ohm-117D  
 Recone kits:  
 RC10FHWX-117D

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

