

**8"****8FHW**

# Ferrite Woofer



## Key features:

- HEAVY-DUTY RUBBER SURROUND AND PAPER CONE
- IDEAL FOR SMALL SUBWOOFERS, HI-FI APPLICATIONS
- HIGH POWER HANDLING

## Design notes:

The 8FHW is 8-inch low frequency woofer with linear frequency response characteristics, high power handling capability while generating low harmonic distortion artifacts. The single roll rubber surround design allows the cone to travel in long linear motion. Together with lightweight, yet strong cone, this combination provides remarkable strength, high efficiency and a excursion linearity of 13mm (one direction).

### Magnetic Circuit

REDCATT engineers have developed an efficient, ferrite based magnetic circuit, capable of delivering the high level of performance providing a consistent, high integrity magnetic flux gap, low distortion characteristic. The magnetic circuit design is optimized to generate the minimum amount of flux modulation, providing exceptional stability.

## Specifications:

### General specs

Nominal Diameter: **8 in.**Rated Impedance: **8 Ohm**

### Power handling

AES Power: **200 Watts**Program Power: **300 Watts**Peak Power: **600 Watts**

### Voice Coil

Diameter: **1.4 in.**Winding wire: **Copper**Former: **GF**Winding height: **8.8 mm**

### T/S Parameters

Resonant frequency: **35.9 Hz**Re: **4.11 ohm**Qes: **0.73**Qms: **3.9**Qts: **0.61**Vas: **27.3 liters**Sd: **213.8 cm<sup>2</sup>**Sensitivity: **84.3 dB**Mms: **46.6**Bl: **7.7**Le: **0.81 mH**

### Design details

Surround Material: **Rubber**Cone material: **Paper**Spider: **Single nomex**Plate thickness: **8 mm**Peak to peak linear cone Displacement: **23 mm**Overall diameter: **209,5 mm**Bolt circle diameter: **197.5 mm**Baffle cutout dia.: **184.5 mm**Number of mounting holes: **8**Depth (flange to rear): **86.5 mm**Net weight: **2.2 kg**

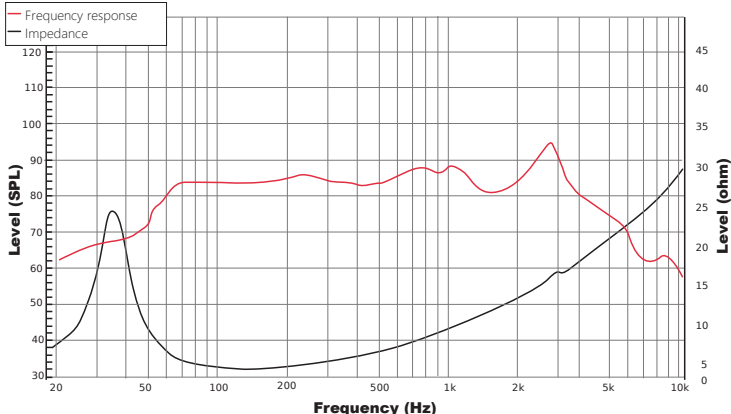
### Ordering codes:

4 ohm version: **8FHWX4-088**8 ohm version: **8FHWX8-088C**16 ohm version: **N/A**

### Recone kits:

4 ohm version: **RC8FHWX4-088**8 ohm version: **RC8FHWX8-088C**16 ohm version: **N/A**

## Frequency response & Impedance



## 2D drawing

