

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"
Rated Impedance: 4 ohm

Power handling

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

Voice Coil

Diameter: 1.4 in.
Winding wire: Copper
Former: Aluminum
Winding height: 25.4 mm

T/S Parameters

Resonant frequency: 41 Hz
Re: 4 ohm
Qes: 0.75
Qms: 4.2
Qts: 0.6
Vas: 19.6 liters
Sd: 202.3 cm²
Sensitivity: 84.4 dB
Mms: 45.9 grams
Bl: 7.88
Le: 0.72 mH

Design details

Surround Material: Rubber
Cone material: Paper
Spider: Conex
Plate thickness: 8 mm
Peak to peak linear cone displacement: 12.8 mm
Overall diameter: 214 mm
Bolt circle diameter: 204 mm
Baffle cutout dia.: 181 mm
Number of mounting holes: 8
Depth (flange to rear): 105 mm
Net weight: 2.1kg

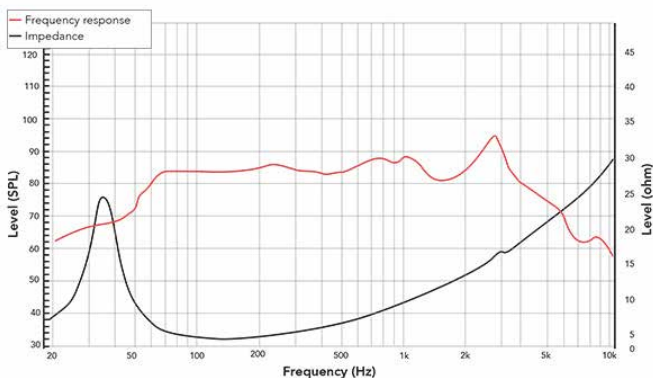
Ordering codes:

8FHWX4-088

Recone kits:

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

