



Key features:

- GOOD LOW FREQUENCY EXTENSION
- ALUMINUM CHASSIS, ALUMINUM CONE, NOMEX SPIDER WITH ATTACHED TINSEL WIRE
- HIGH POWER HANDLING

Design notes:

The 10FWH is a high efficiency, (84dB 1watt / 1 meter) 10-inch sub-woofer speaker with extended low frequency response and high power handling capability. The 10FWH uses a strong anodized aluminum cone assembly along with a single roll rubber surround. Spider is Nomex material with stitched-on tinsel wires. This ensures long lasting performance even in high powered applications. The chosen material combination provides remarkable strength,

high efficiency and sustained output under extreme conditions.

Magnetic Circuit

REDCATT engineers have developed a ferrite based magnetic circuit, capable of delivering the highest level of performance, providing a consistent, high integrity magnetic flux gap, ultra low distortion characteristic and high efficiency cooling system. The magnetic structure has integrated two

aluminum shorting rings. The magnetic circuit design is optimized to generate the minimum amount of flux modulation, providing exceptional stability.

Specifications:

General specs

Nominal Diameter: 10 in.

Rated Impedance: 4 Ohm

Power handling

AES Power: 100 Watts

Program Power: 200 Watts

Peak Power: 400 Watts

Voice Coil

Diameter: 1.3 in.

Winding wire: Copper

Former: Aluminum

Winding height: 18.5 mm

T/S Parameters

Resonant frequency: 26,37 Hz

Re: 3,6 ohm

Qes: 0.42

Qms: 7,38

Qts: 0.4

Vas: 59,3 liters

Sd: 346 cm²

Sensitivity: 89 dB

Mms: 102 grams

Bl: 12,07

Le: 1.4 mH

Design details

Surround Material: Rubber

Cone material: Aluminum

Spider: Single nomex

Plate thickness: 6 mm

Peak to peak linear cone Displacement: 20 mm

Overall diameter: 269 mm

Bolt circle diameter: 257 mm

Baffle cutout dia.: 238 mm

Number of mounting holes: 8

Depth (flange to rear): 114.5 mm

Net weight: 10.0 kg

Ordering codes:

4 ohm version: 10FWX4-117

8 ohm version: 10FWX8-117B

16 ohm version: -NA-

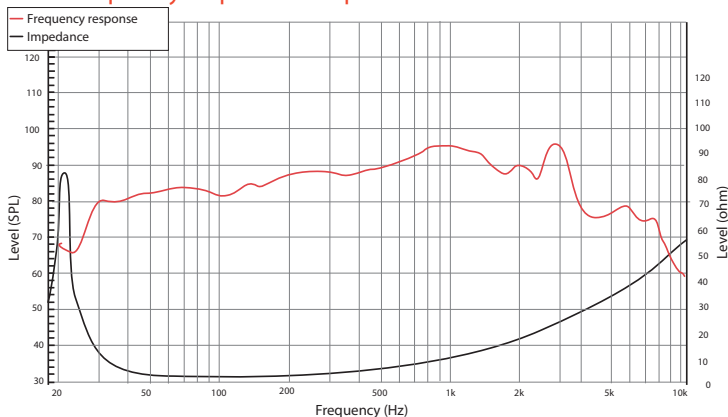
Recone kits:

4 ohm version: RC10FWX4-288

8 ohm version: RC10FWX8-288

16 ohm version: -NA-

Frequency response & Impedance



2D drawing

