



Key features:

- CARBON FIBER FILLED PAPER CONE
- DOUBLE SILICONE SPIDER
- HIGH POWER HANDLING

Design notes:

The 122NPW is a high efficiency, (97 dB 1 watt / 1 meter) 12-inch woofer with incredibly linear frequency response characteristics, extreme high power handling capability while generating low harmonic distortion artifacts. The 122NPW uses a lightweight carbon fiber loaded cone assembly along with a high excursion triple roll constant geometry surround. This combination provides remarkable strength, high efficiency and a peak to peak maxi-

mum excursion of 19mm. Woofer features REDCATT double silicone sealed spider.

Power Handling

At the core of the 122NPW is it, Åôs voice coil technology featuring a composite Polyimide former material capable of withstanding peak temperatures in excess of 350degC, well beyond the thermal requirements of modern professional audio systems.

The woofer cone is also extensive-

ly treated to withstand harsh environments and high humidity. Metal parts in the speaker assembly are coated for extreme weatherization protection.

Specifications:

General specs

Nominal Diameter: 12"
Rated Impedance: 8 ohm

Power handling

AES Power: 800 watts
Program Power: 1600 watts
Peak Power: 3200 watts

Voice Coil

Diameter: 4 in.
Winding wire: Copper
Former: Glass Fiber
Winding height: 25.5 mm

T/S Parameters

Resonant frequency: 35 Hz
Re: 5.5 ohm
Qes: 0.17
Qms: 6.65
Qts: 0.17
Vas: 81.9 liters
Sd: 551 cm²
Sensitivity: 97 dB
Mms: 81.9 grams
Bl: 27
Le: 1.27 mH

Design details

Surround Material: Fabric
Cone material: Paper
Spider: Nomex
Plate thickness: 14 mm
Peak to peak linear cone displacement: 19.2 mm
Overall diameter: 322 mm
Bolt circle diameter: 302 mm
Baffle cutout dia.: 287 mm
Number of mounting holes: 8
Depth (flange to rear): 154 mm
Net weight: 7.6kg

Ordering codes:

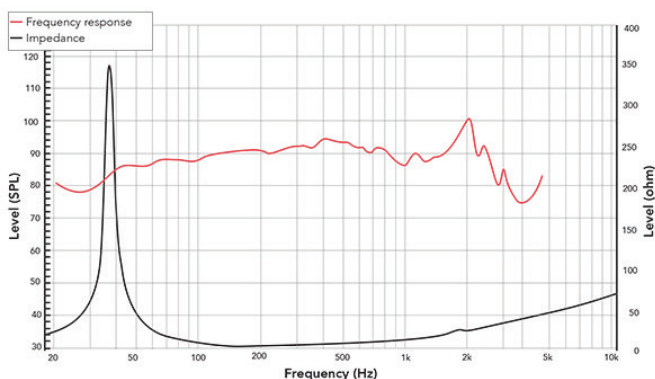
122NPW-X8 ohm-102

Recone kits:

RC122NPWX-102

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

