

Key features:

- 5.3" DIAMETER VOICE COIL
- 3600 WATTS PROGRAM POWER HANDLING
- TRIPLE SILICONE SPIDER, HEAVY DUTY FIBER REINFORCED CONE WITH LARGE SURROUND

Design notes:

The 21NPW is a high efficiency, (96 dB 1watt / 1 meter) 21-inch woofer with incredibly linear frequency response characteristics, extreme high power handling capability while generating low harmonic distortion artifacts. The 21NPW 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 maximum

excursion of 31mm.

Power Handling

At the core of the 21NPW is its voice coil technology featuring a composite Polyimide former material capable of withstanding peak temperatures in excess of 350C, well beyond the thermal requirements of modern professional audio systems. The 21NPW delivers incredible performance.

REDCATT has implemented a triple layer/silicone spider design to ensure long term Fs memory, consistency and diminish anomalies associated with spider deterioration.

Specifications:

General specs

Nominal Diameter: 21"
Rated Impedance: 4 ohm

Power handling

AES Power: 1800 watts
Program Power: 3600 watts
Peak Power: 7200 watts

Voice Coil

Diameter: 5.3 in.
Winding wire: Copper
Former: Glass Fiber
Winding height: 33 mm

T/S Parameters

Resonant frequency: 35 Hz
Re: 3.0 ohm
Qes: 0.33
Qms: 11.12
Qts: 0.32
Vas: 149 liters
Sd: 1662 cm²
Sensitivity: 96 dB
Mms: 514 grams
Bl: 32.9
Le: 1.14 mH

Design details

Surround Material: Fabric
Cone material: Paper
Spider: Nomex
Plate thickness: 15 mm
Peak to peak linear cone displacement: 31 mm
Overall diameter: 546 mm
Bolt circle diameter: 520 mm
Baffle cutout dia.: 496 mm
Number of mounting holes: 8
Depth (flange to rear): 245 mm
Net weight: 14.85kg

Ordering codes:

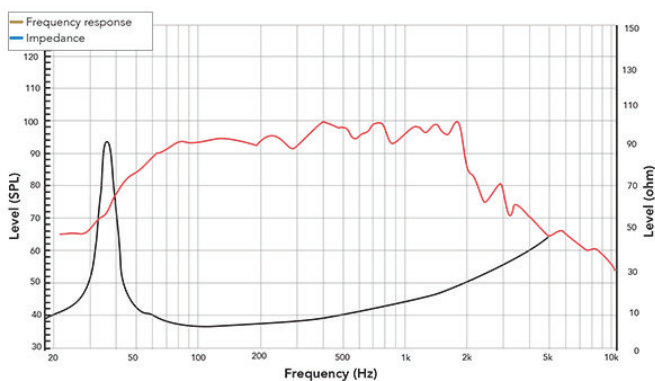
21NPW-X4 ohm-018

Recone kits:

RC21NPWX-018

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

