8" 8NPM

Mid-Woofer

Key features:

- **HI SENSITIVITY**
- **HI POWER HANDLING**
- **DESIGNED FOR APPLICATIONS WHERE ARE SIZABLE AMOUNTS OF MID-FREQUENCIES REQUIRED**

Design notes:

The 8NPM is a high efficiency, (96dB 1watt / 1 meter) 8-inch mid-woofer with extended mid frequency response and high power handling capability. The 8NPM uses a lightweight half pressed paper cone along with a double roll fabric surround. Spider is made of Nomex material with optimized shape for well controlled pistonic motion. The used high quality components ensure long lasting performance even in high powered applications. The chosen material combination provides remarkable strength, high efficiency and sustained output under extreme conditions.

Power Handling
The voice coil featuring Kapton former material capable of withstanding peak temperatures in excess of 280C, well beyond the thermal requirements of modern audio systems. Former strength provides the ideal transfer of power between the voice coil and the cone assembly and assists in reducing distortion artifacts. By combining this material with state of the art adhesives and our winding voice coil technology, the 8NPM delivers incredibly high performance.

Specifications:

General specs	
Nominal Diameter:	8 "
Rated Impedance:	8 ohm
Power handling	
AES Power:	200 watts
Program Power:	400 watts
Peak Power:	800 watts
Voice Coil	
Diameter:	50.8 mm
Winding wire:	CCAW
Former:	Kapton
Winding height:	15.4 mm

T/S Parameters	
Resonant frequency:	79 Hz
Re:	5.4 ohm
Qes:	0.31
Qms:	3.85
Qts:	0.29
Vas:	10.9 liters
Sd:	213.8 cm²
Sensitivity:	96.06 dB
Mms:	23.9 grams
Bl:	14.2
Le:	0.6 mH

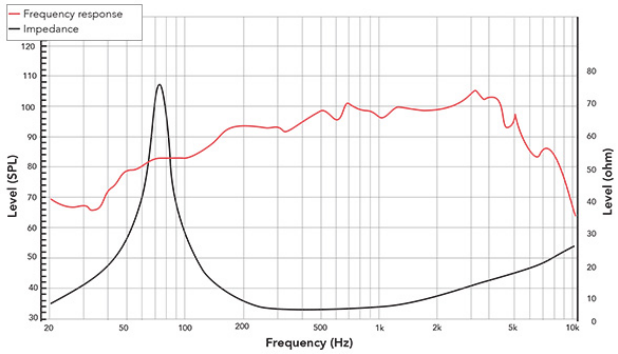
Design details	
Surround Material:	fabric
Cone material:	Paper CF
Spider:	Nomex
Plate thickness:	8 mm
Overall diameter:	209.5 mm
Bolt circle diameter:	197.5 mm
Baffle cutout dia.:	185 mm
Mounting holes:	8
Depth:	87.3 mm
Net weight:	1.8 kg

Ordering codes:

DR-8-028-8R-B2-C0001

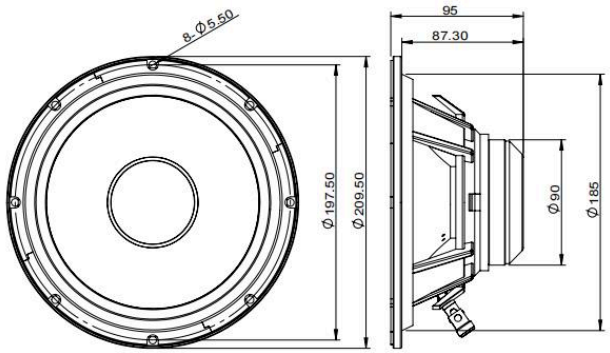
In many cases REDCATT produces 4, 8 and 16 ohm versions — indicate what impedance you need in your request.

Frequency response & Impedance



Frequency response measured on IEC baffle

2D drawing



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