

- EXTENDED FREQUENCY RESPONSE
- **2 DEMODULATION RINGS POW-**ERFUL MOTOR STRUCTURE
- **DESIGNED FOR 2-WAY** AND MULTI-WAY SPEAK-**ER SYSTEMS**

Design notes:

The 81NPM was designed for good reproduction of voice. With an extended low-frequency response, this mid-woofer is highly suitable for two-way and multi-way systems. It, Äôs high power handling capabilities extend the ideal usage as a mid-range driver in line-array systems. The 81NPM uses a lightweight half-pressed paper cone reinforced by our proprietary cone treatment, which also works as weatherization protection. 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 sports Kapton former material capable of withstanding peak temperatures above 300°C, 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 81NPM delivers incredibly high performance.

Ordering codes:

Specifications:

Former:

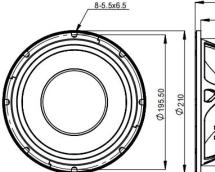
Winding height:

General specs Nominal Diameter: 8" Rated Impedance: 8 ohm Power handling **AES Power:** 200 watt Program Power: 400 watt Peak Power: 800 watt Voice Coil 3 in. Diameter CCAW Winding wire: Glass Fib

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	T/S Parameters	
	Resonant frequency:	69 Hz
	Re:	7.1 ohm
	Qes:	0.29
ts	Qms:	4.84
ts	Qts:	0.28
ts	Vas:	10.3 liters
	Sd:	219 cm2
	Sensitivity:	93 dB
	Mms:	34.2 grams
ber	BI:	0.5
n	Le:	0.75 mH



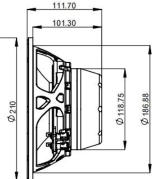
2D drawing



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Recone kits:	
RC81NPMX-373A	-
In many cases REDCATT	-

81NPM-X8 ohm-373A

produces 4 ohms, 8 ohms and 16 ohms versions. Indicate what impedance do you need in your request.



Frequency response & Impedance

18.6 mm

