

15" 15NPM

Mid-Woofer



Key features:

- EXTENDED FREQUENCY RESPONSE

- 2 DEMODULATION RINGS, LIGHTWEIGHT CARBON FIBER LOADED PAPER CONE

- HI BL, DOUBLE AIR-GAP, POWERFUL MOTOR STRUCTURE

Design notes:

The 15NPM is a truly unique full range woofer. We have designed cutting edge product, using the best available materials and highly optimized design for the best performance in its class. It delivers very high efficiency, (98 dB 1watt / 1 meter), incredibly linear frequency response characteristics with extended HF frequency response, high power handling capability, while generating ultra low harmonic

distortion artifacts. The 15NPM 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 linear excursion of 21mm.

Magnetic Circuit
The magnetic circuit sports two aluminum

shorting rings, double air-gap front plate. The cooling system and the air flow has been designed using modern FEM techniques and further optimized to provide the highest levels of cooling efficiency. The magnetic circuit design is optimized to generate the minimum amount of flux modulation, providing exceptional stability..

Specifications:

General specs	
Nominal Diameter:	15 "
Rated Impedance:	8 ohm
Power handling	
AES Power:	800 watts
Program Power:	1600 watts
Peak Power:	3200 watts
Voice Coil	
Diameter:	101.6 mm
Former:	Glass Fiber
Winding height:	23 mm

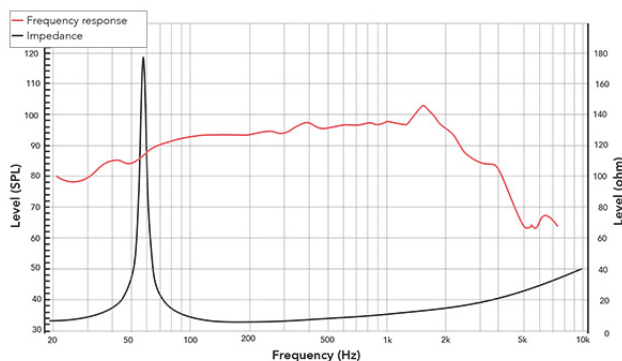
T/S Parameters	
Resonant frequency:	48 Hz
Re:	4.7 ohm
Qes:	0.47
Qms:	16.5
Qts:	0.46
Vas:	89.9 liters
Sd:	855.3 cm ²
Sensitivity:	97.73 dB
Mms:	123 grams
Bl:	19.3
Le:	0.68 mH

Design details	
Surround Material:	fabric
Cone material:	Paper CF
Spider:	Nomex
Plate thickness:	12.5 mm
Overall diameter:	392 mm
Bolt circle diameter:	373 mm
Baffle cutout dia.:	360 mm
Mounting holes:	8
Depth:	149.5 mm
Net weight:	6.65 kg

Ordering codes:	
DR-15-025-8R-B2-C0001	
Legacy code: 15NPMX8-262A	
Recone kits:	
RC15NPMX8-262A	

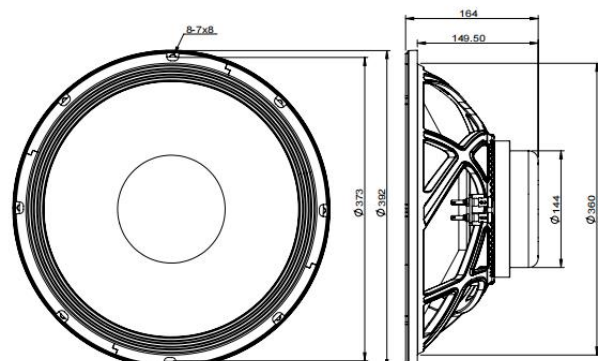
In many cases REDCATT produces 4, 8 and 16 ohm versions — indicate what impedance you need in your request.

Frequency response & Impedance



Frequency response measured on IEC baffle

2D drawing



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