4" | 41NFR

Neodymium Full-range

Key features:

- FULL-RANGE FREQUENCY RESPONSE
- EXTENDED LF RESPONSE
- FRONT OR REAR MOUNTING

Design notes:

41NFR was introduced as part of our new range of smaller transducers. The model is focusing on improvements in frequency response, both in LF and Mid-Freq. Powerful neodymium ring based magnetic structure delivers the highest levels of moving force onto the voice coil with minimum distortion artifacts.

The cone and rubber surround were further FEM modeled and deliver incredible performance.

41NFR was designed for column speakers, micro line-array systems and two-way audio systems. Due to its good performance in high frequencies, this driver can be used without HF unit, which opens new opportunities for the system engineers to design compact, yet good sounding products.

Our newly developed basket with typical REDCATT shapes, utilizes tall front EVA gasket and 1mm rear gasket. The driver can be thus mounted from both sides of the baffle.

Specifications:

General specs	
Nominal Diameter:	4"
Rated Impedance:	16 ohm

Power handling	
AES Power:	40 watts
Program Power:	80 watts
Peak Power:	160 watts

Voice Coil	
Diameter:	1 in.
Winding wire:	Copper
Former:	kapton
Winding height:	11.3 mm

T/S Parameters	
Resonant frequency:	98 Hz
Re:	12.2 ohm
Qes:	0.4
Qms:	5.05
Qts:	0.37
Vas:	2.1 liters
Sd:	56.75 cm2
Sensitivity:	90.3 dB
Mms:	5.4 grams
Bl:	10
Le:	0.58 mH

Design details	
Surround Material:	Rubber
Cone material:	Paper
Spider:	Nomex
Plate thickness:	5 mm
Peak to peak linear cone displacement	4.9 mm
Overall diameter:	104.5 mm
Bolt circle diameter:	106.3 mm
Baffle cutout dia.:	92.2 mm
Number of mounting holes:	4
Depth (flange to rear):	51.2 mm
Net weight:	0.54kg

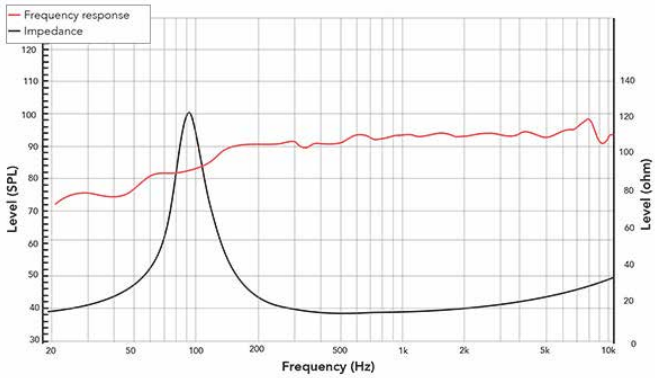
Ordering codes:

41NFRX16-464A

Recone kits:

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