

6" 61XR

Mid-Woofer



Key features:

- EXTENDED FREQUENCY RESPONSE, INCREDIBLE SOUND REPRODUCTION CLARITY
- SECONDARY AND STATIC SHORTING COIL
- HIGH POWER HANDLING

Design notes:

The 61XR was designed to be simply the best driver for 2-way and multi-way systems on the market. We bring this with clarity in the mid-frequencies and undistorted bass. The combination of our XR patented technology with static shorting coil brings an nonparallel opportunity to the audio designers.

Motor Design

The magnetic design incorporates large

neodymium magnets placed along the voice coil winding, together with the 2nd and static coil placed on the pole piece. This has allowed us to push the cone excursion to 30mm peak to peak, while lowering the inductance. The shorting coil covers the complete main coil excursion. This is also an improvement compared to some previous designs on the market.

Our extensive R&D on the surround foam

material has yielded material that has proven its benefits over and over again. The surround is extremely light, yet it allows the cone excursion as the traditional, but heavier, rubber surround.

61XR best application is in hi-quality home hi-fi applications and studio monitors where the requirements for precise sound reproduction without distortion artifacts are required.

Specifications:

General specs	
Nominal Diameter:	6 "
Rated Impedance:	4 ohm
Power handling	
AES Power:	100 watts
Program Power:	200 watts
Peak Power:	400 watts
Voice Coil	
Diameter:	44.5 mm
Winding wire:	Copper
Former:	Glass Fiber
Winding height:	10.3 mm

T/S Parameters	
Resonant frequency:	64 Hz
Re:	3.1 ohm
Qes:	0.96
Qms:	2.88
Qts:	0.72
Vas:	8.6 liters
Sd:	132.7 cm ²
Sensitivity:	87.02 dB
Mms:	17.3 grams
Bl:	4.77
Le:	0.06 mH

Design details	
Surround Material:	Foam
Cone material:	Paper CF
Spider:	Nomex
Plate thickness:	26.5 mm
Overall diameter:	181.5 mm
Bolt circle diameter:	169.5 mm
Baffle cutout dia.:	151 mm
Mounting holes:	6
Depth:	94 mm
Net weight:	1.5 kg

Ordering codes:

DR-6-006-4R-B2-C0001

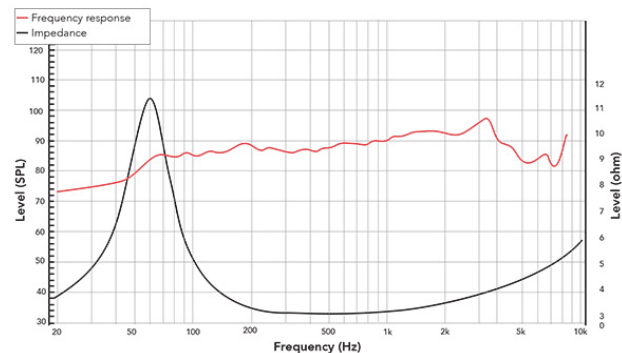
Legacy code: 61XRX4-404D

Recone kits:

RC61XRX4-404D

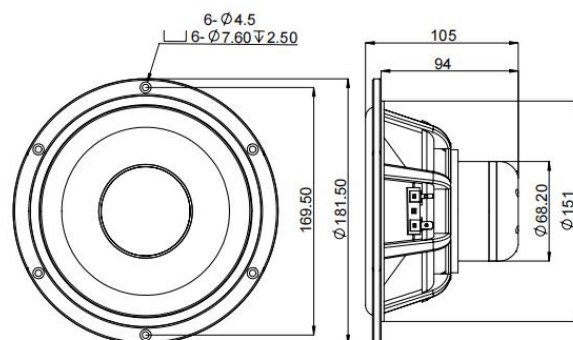
In many cases REDCATT produces 4, 8 and 16 ohm versions — indicate what impedance you need in your request.

Frequency response & Impedance



Frequency response measured on IEC baffle

2D drawing



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