18″ | 182FIND

Woofer

REDCATT

Key features:

- INSIDE / OUTSIDE WOUND COIL
- REINFORCED HALF PRESSED CONE
- SILICONE NOMEX SPIDER

Design notes:

The 182FIND is a high efficiency, (98 dB 1watt / 1 meter) 18-inch woofer with extended linear frequency response characteristics. The 182FIND uses durable half-pressed paper cone assembly along with a high excursion triple roll constant geometry surround. This combination provides remarkable strength at any given situation, high efficiency and a peak to peak maximum excursion of 27mm.

Power Handling
At the core of the 182FIND is it‚Äôs voice coil technology featuring a composite Polyimide former material capable of withstanding peak temperatures in excess of 250C, well beyond the thermal requirements of modern professional audio systems. Voice coil winding is wound inside and outside of the former in the 1-3 split.

REDCATT has implemented a silicone spider design to ensure long term shape memory, consistency and diminish anomalies associated with spider deterioration.

Specifications:

General specs	
Nominal Diameter:	18″
Rated Impedance:	8 ohm

Power handling	
AES Power:	1000 watts
Program Power:	2000 watts
Peak Power:	4000 watts

Voice Coil	
Diameter:	4 in.
Winding wire:	Copper
Former:	Glass Fiber
Winding height:	25.5 mm

T/S Parameters	
Resonant frequency:	31 Hz
Re:	5.5 ohm
Qes:	0.24
Qms:	8.85
Qts:	0.23
Vas:	208.6 liters
Sd:	1257 cm2
Sensitivity:	98 dB
Mms:	281 grams
Bl:	35.4
Le:	4.92 mH

Design details	
Surround Material:	Fabric
Cone material:	Paper
Spider:	Nomex
Plate thickness:	14 mm
Peak to peak linear cone displacement	27.2 mm
Overall diameter:	468 mm
Bolt circle diameter:	442 mm
Baffle cutout dia.:	426 mm
Number of mounting holes:	8
Depth (flange to rear):	189 mm
Net weight:	14kg

Ordering codes:

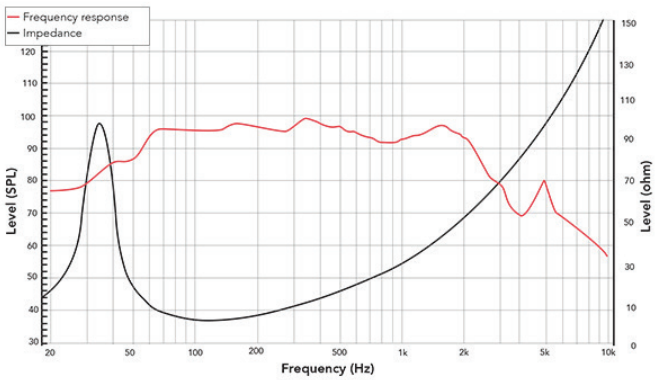
182FIND-X8 ohm-127

Recone kits:

RC182FINDX-127

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