

18" 18FIND-1

Woofer



Key features:

- EXTENDED FREQUENCY RESPONSE
- OPTIMIZED VENTING SYSTEM
- HIGH POWER HANDLING

Design notes:

The 18FIND is a high efficiency, (97 dB 1 watt / 1 meter) 18-inch woofer with incredibly linear frequency response characteristics, high power handling capability while generating low harmonic distortion artifacts. The 18FIND uses a lightweight glass 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 maximum excursion of 21mm.

Power Handling
At the core of the 18FIND is it's voice coil technology featuring a composite Polyimide former material capable of withstanding peak

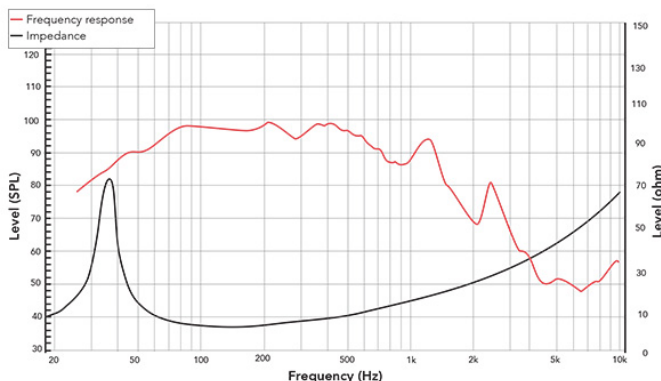
temperatures in excess of 250C, well beyond the thermal requirements of modern professional audio systems.

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

Specifications:

General specs	T/S Parameters	Design details	Ordering code:
Nominal Diameter: 18 "	Resonant frequency: 36 Hz	Surround Material: fabric	DR-18-014-8R-B2-C0001
Rated Impedance: 8 ohm	Re: 5.2 ohm	Cone material: Paper CF	
Power handling	Qes: 0.44	Spider: Nomex	In many cases REDCATT produces 4, 8 and 16 ohm versions — indicate what impedance you need in your request.
AES Power: 1000 watts	Qms: 8.4	Plate thickness: 12 mm	
Program Power: 2000 watts	Qts: 0.42	Overall diameter: 468 mm	
Peak Power: 4000 watts	Vas: 203.4 liters	Bolt circle diameter: 442 mm	
Voice Coil	Sd: 1257 cm²	Baffle cutout dia.: 426 mm	
Diameter: 101.6 mm	Sensitivity: 97.24 dB	Mounting holes: 8	
Winding wire: Copper	Mms: 211.8 grams	Depth: 184 mm	
Former: Glass Fiber	Bl: 23.6	Net weight: 13.7 kg	
Winding height: 23.7 mm	Le: 1.74 mH		

Frequency response & Impedance



Frequency response measured on IEC baffle

2D drawing

