



Key features:

• **OPTIMIZED FERRITE MAGNETIC STRUCTURE**

• **LIGHTWEIGHT, YET STRONG PAPER CONE**

• **HI SPL**

Design notes:

183FIND is a cost-effective solution for subwoofers. Its lightweight yet strong cone allows the magnetic circuit to be size optimized while delivering a sizeable amount of sound pressure. With its high efficiency (97 dB 1watt / 1 meter) and high power handling capabilities, this woofer will excel in all applications with tight budgets. The cone shape and material was developed to provide an optimum low-

frequency response, making the woofer good choice for subwoofer systems.

Power Handling

At the core of the 183FIND is its voice coil technology featuring a composite Polyimide former material capable of withstanding peak temperatures above 280°C. The winding with high-temperature specification copper wire

ensures the long life of the voice coil, without the costly service cycles.

The cone is also extensively treated to withstand harsh environments and high humidity. Metal parts in the speaker assembly are coated for extreme weatherization protection.

Specifications:

General specs	
Nominal Diameter:	18 "
Rated Impedance:	8 ohm
Power handling	
AES Power:	600 watts
Program Power:	1200 watts
Peak Power:	2400 watts
Voice Coil	
Diameter:	76 mm
Winding wire:	Copper
Former:	Glass Fiber
Winding height:	19.8 mm

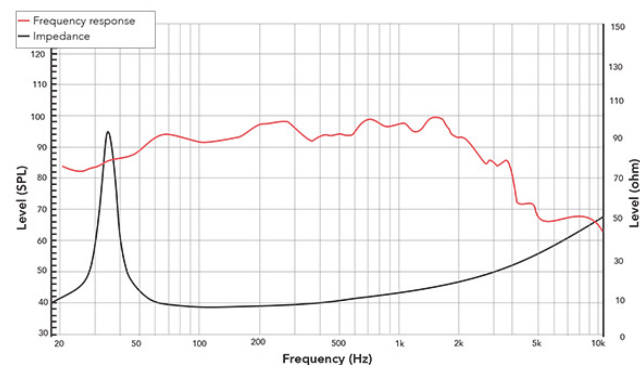
T/S Parameters	
Resonant frequency:	32 Hz
Re:	5.9 ohm
Qes:	0.43
Qms:	13.2
Qts:	0.42
Vas:	329.5 liters
Sd:	1225.4 cm²
Sensitivity:	97.07 dB
Mms:	165 grams
Bl:	21.14
Le:	0.73 mH

Design details	
Surround Material:	fabric
Cone material:	Paper GF
Spider:	Conex
Plate thickness:	8 mm
Overall diameter:	461 mm
Bolt circle diameter:	442 mm
Baffle cutout dia.:	422 mm
Mounting holes:	8
Depth:	184 mm
Net weight:	8.8 kg

Ordering codes:	
DR-18-003-8R-B2-C0001	
Legacy code: 297	
Recone kits:	
RC297	

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

