

**8"****81FIND**

# Ferrite Mid-Woofer



### Key features:

- EXTENDED FREQUENCY RESPONSE
- IDEAL FOR SMALL AND PORTABLE 2-WAY SYSTEMS
- AFFORDABLE, YET VERY CAPABLE DESIGN FOR COST SENSITIVE PRODUCT

### Design notes:

The 81FIND is a high efficiency, (96 dB 1watt / 1 meter) 8-inch woofer with linear frequency response characteristics, good power handling capability while generating low harmonic distortion artifacts. The 81FIND uses a lightweight glass-fiber loaded cone assembly along with a high excursion M-roll surround. This combination provides a lightweight, yet strong, piston.

#### Magnetic Circuit

Ferrite based magnetic circuit, capable of delivering the good level of performance, providing a consistent, high integrity magnetic flux gap, low distortion characteristic and high-efficiency cooling system. The metal parts are extensively coated to provide the maximum weather protection.

This driver has been chosen by many audio engineers for smaller sized, or portable audio products. It has proven its capability over and over again all around the world, many times in challenging applications or environments. 81FIND is proven design that delivers good balance between performance and cost.

### Specifications:

#### General specs

Nominal Diameter: 8"  
Rated Impedance: 8 ohm

#### Power handling

AES Power: 200 watts  
Program Power: 400 watts  
Peak Power: 800 watts

#### Voice Coil

Diameter: 2 in.  
Winding wire: CCAW  
Former: Glass Fiber  
Winding height: 12.5 mm

#### T/S Parameters

Resonant frequency: 80 Hz  
Re: 4.7 ohm  
Qes: 0.53  
Qms: 8.35  
Qts: 0.5  
Vas: 11.3 liters  
Sd: 213.8 cm<sup>2</sup>  
Sensitivity: 94.68 dB  
Mms: 22.6 grams  
Bl: 10.2  
Le: 0.44 mH

#### Design details

Surround Material: Fabric  
Cone material: Paper  
Spider: Nomex  
Plate thickness: 8 mm  
Peak to peak linear cone displacement: 6.6 mm  
Overall diameter: 209 mm  
Bolt circle diameter: 197 mm  
Baffle cutout dia.: 180 mm  
Number of mounting holes: 8  
Depth (flange to rear): 91.5 mm  
Net weight: 2.8kg

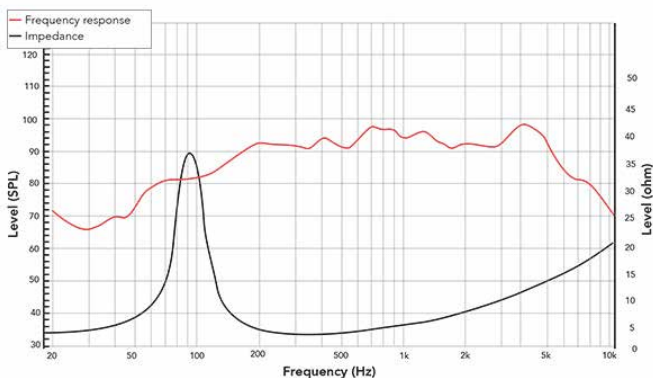
#### Ordering codes:

81FINDX8-290

#### 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

