

8" 81FHW

Woofer



Key features:

- GOOD LOW FREQUENCY RESPONSE
- LIGHTWEIGHT SURROUND, STIFF PAPER CONE
- AFFORDABLE WOOFER

Design notes:

The 81FHW woofer was designed with smaller hi-fi subwoofers in mind. The woofer works well in vented enclosures or combined with a passive radiator. Optimized magnetic structure delivers good level of

performance and balancing well performance vs cost.

We have chosen lightweight foam surround in this design. Our extensive development and testing of this material

yielded in custom formulation of the raw material we use for the surround and guaranties its long lasting performance.

Specifications:

General specs	
Nominal Diameter:	8 "
Rated Impedance:	4 ohm
Power handling	
AES Power:	100 watts
Program Power:	200 watts
Peak Power:	400 watts
Voice Coil	
Diameter:	35.6 mm
Winding wire:	Copper
Former:	Aluminum
Winding height:	18.2 mm

T/S Parameters	
Resonant frequency:	39 Hz
Re:	3.6 ohm
Qes:	0.58
Qms:	5.4
Qts:	0.52
Vas:	21.5 liters
Sd:	201.1 cm ²
Sensitivity:	85.94 dB
Mms:	44 grams
Bl:	8.25
Le:	1.12 mH

Design details	
Surround Material:	Foam
Cone material:	Paper GF
Spider:	Nomex
Plate thickness:	6 mm
Overall diameter:	209 mm
Bolt circle diameter:	197 mm
Baffle cutout dia.:	180 mm
Mounting holes:	8
Depth:	95 mm
Net weight:	1.7 kg

Ordering codes:

DR-8-006-4R-B2-C0001

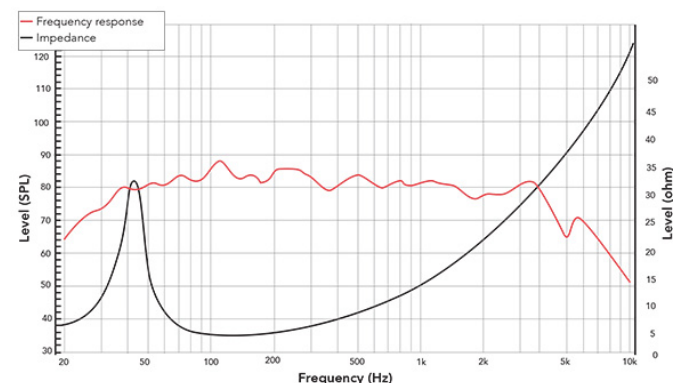
Legacy code: 81FHWX4-289

Recone kits:

RC81FHWX4-289

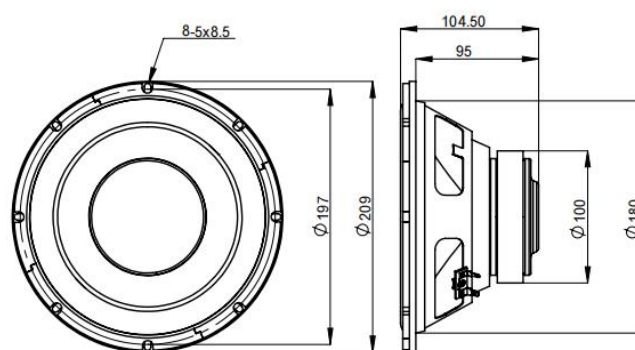
In many cases REDCATT produces 4, 8 and 16 ohm versions — indicate what impedance you need in your request.

Frequency response & Impedance



Frequency response measured on IEC baffle

2D drawing



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