

8" 82FHM

Mid-Woofer



Key features:

- EXTENDED FREQUENCY RESPONSE

- HARD ANODIZED ALUMINUM CONE WITH RUBBER SURROUND

- ALUMINUM BASKET

Design notes:

82FHM is mid-woofer driver, designed for hi-fi, studio monitors and outdoor applications. Design sports hard-anodized aluminum cone and dustcap. These two key components extend the working range of the woofer. The parameters were optimized for usage in sealed enclosures.

All metal parts are coated to further increase weatherized protection, surround has UV stabilizers.

Strong aluminum basket was used in this design which further improves the mechanical fatigue and allow the speaker to be used in demanding portable products.

Further more, we have developed new magnetic circuit for this model. Our clever engineering takes the best balance between the performance and cost. Rest assure we have FEM optimized air-venting of this design that minimizes the air-noise and greatly improves voice coil winding venting.

Specifications:

General specs	
Nominal Diameter:	8 "
Rated Impedance:	8 ohm
Power handling	
AES Power:	60 watts
Program Power:	120 watts
Peak Power:	240 watts
Voice Coil	
Diameter:	38 mm
Winding wire:	Copper
Former:	Aluminum
Winding height:	15.9 mm

T/S Parameters	
Resonant frequency:	42 Hz
Re:	5.7 ohm
Qes:	0.76
Qms:	3.1
Qts:	0.61
Vas:	33.6 liters
Sd:	213.8 cm ²
Sensitivity:	88.31 dB
Mms:	28.3 grams
Bl:	7.56
Le:	0.47 mH

Design details	
Surround Material:	NBR
Cone material:	Aluminum
Spider:	Nomex
Plate thickness:	5 mm
Overall diameter:	223.5 mm
Bolt circle diameter:	210 mm
Baffle cutout dia.:	189 mm
Mounting holes:	6
Depth:	87.5 mm
Net weight:	1.8 kg

Ordering codes:

DR-8-014-8R-B2-C0001

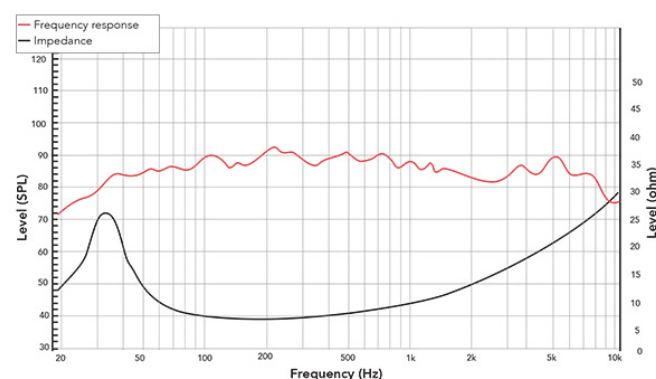
Legacy code: 82FHM8-445A

Recone kits:

RC82FHM8-445A

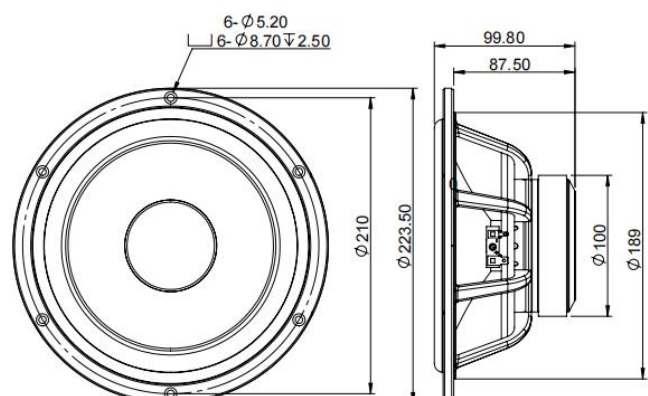
In many cases REDCATT produces 4, 8 and 16 ohm versions — indicate what impedance you need in your request.

Frequency response & Impedance



Frequency response measured on IEC baffle

2D drawing



info@redcatt.net

www.redcatt.net