

3"**30FF**

Ferrite Full-Range



Key features:

- FULL-RANGE FREQUENCY RESPONSE
- AFFORDABLE SMALL DRIVER THAT FITS ALL BUDGETS
- VERY POPULAR IN ARRAY AND COLUMN APPLICATIONS

Design notes:

The 30FF is a high efficiency, (86dB 1watt / 1 meter) 3-inch full range speaker with linear frequency response characteristics and high power handling capability while generating low harmonic distortion artifacts. The 30FF uses a lightweight exponential pressed cone assembly along with a NBR single roll geometry surround. The combination provides remarkable strength, high efficiency and sustained output under extreme conditions.

Power Handling
At the core of the 30FF is its voice coil technology featuring a Kapton former material capable of withstanding peak temperatures in excess of 240C, well beyond the thermal requirements of modern professional audio systems and providing optimal structural strength and thermal characteristics. Former strength provides the ideal transfer of power between the voice coil and the cone assembly and

assists in reducing distortion artifacts. By combining this material with state of the art adhesives and our winding voice coil technology, the 30FF delivers very high performance.

The best application is in column speakers, two-way and multi-way audio systems. Due to its good HF extension, the HF units are not required.

Specifications:

General specs

Nominal Diameter: 3"
Rated Impedance: 8 ohm

Power handling

AES Power: 20 watts
Program Power: 40 watts
Peak Power: 80 watts

Voice Coil

Diameter: 0.75 in.
Winding wire: CCAW
Former: Kapton
Winding height: 6.5 mm

T/S Parameters

Resonant frequency: 119 Hz
Re: 5.6 ohm
Qes: 0.98
Qms: 3.87
Qts: 0.78
Vas: 0.81 liters
Sd: 28.27 cm²
Sensitivity: 85.1 dB
Mms: 2.4 grams
Bl: 3.25
Le: 0.04 mH

Design details

Surround Material: Rubber
Cone material: Paper
Spider: Nomex
Plate thickness: 4 mm
Peak to peak linear cone displacement: 3.7 mm
Overall diameter: 79 mm
Bolt circle diameter: 86 mm
Baffle cutout dia.: 77 mm
Number of mounting holes: 4
Depth (flange to rear): 46.9 mm
Net weight: 0.47kg

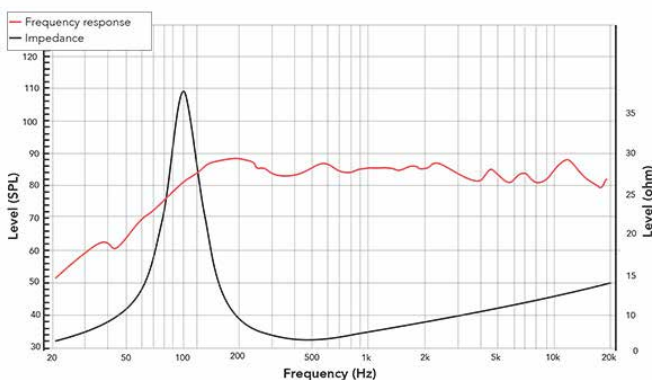
Ordering codes:

30FFX8-264B

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

