

**3" 32NFR**

## Fullrange



### Key features:

- FULL-RANGE COVERAGE
- VERY COMPACT DESIGN
- SUITABLE FOR ARRAY, COLUMNS, OR USAGE WITHOUT HF DRIVERS

### Design notes:

32NFR delivers incredible . It comes together with other speaker models as the next generation of our full-range drivers. Well balanced frequency response from LF to HF, low harmonic distortion, and on top of that all packed in a lightweight and compact mechanical structure.

The driver was designed around neodymium ring magnet. Magnetic circuit delivers the

highest level of performance, with minimum modulation distortion.

The cone and surround were newly designed and optimized specifically for this model. Progressive roll surround further improves the frequency response.

Our newly designed basket with typical REDCATT visual aspects sports front and rear gaskets, thus the driver can be easily mounted

on both sides of baffle. Large basket openings minimize turbulences and air noise. Space bellow spider is also vented. This further improves the temperature stability of this model. The mounting surface has a flange all around, feature that greatly improves mechanical rigidity.

### Specifications:

| General specs     |                  |
|-------------------|------------------|
| Nominal Diameter: | <b>3 "</b>       |
| Rated Impedance:  | <b>8 ohm</b>     |
| Power handling    |                  |
| AES Power:        | <b>30 watts</b>  |
| Program Power:    | <b>60 watts</b>  |
| Peak Power:       | <b>120 watts</b> |
| Voice Coil        |                  |
| Diameter:         | <b>19 mm</b>     |
| Winding wire:     | <b>CCAW</b>      |
| Former:           | <b>kapton</b>    |
| Winding height:   | <b>6.4 mm</b>    |

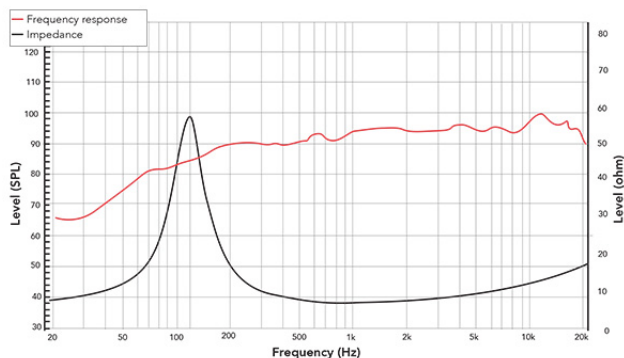
| T/S Parameters      |                    |
|---------------------|--------------------|
| Resonant frequency: | <b>118 Hz</b>      |
| Re:                 | <b>5.5 ohm</b>     |
| Qes:                | <b>0.35</b>        |
| Qms:                | <b>3.85</b>        |
| Qts:                | <b>0.32</b>        |
| Vas:                | <b>1.14 liters</b> |
| Sd:                 | <b>33.18 cm²</b>   |
| Sensitivity:        | <b>90.99 dB</b>    |
| Mms:                | <b>2.4 grams</b>   |
| Bl:                 | <b>5.35</b>        |
| Le:                 | <b>0.2 mH</b>      |

| Design details        |                 |
|-----------------------|-----------------|
| Surround Material:    | <b>NBR</b>      |
| Cone material:        | <b>Paper CF</b> |
| Spider:               | <b>Nomex</b>    |
| Plate thickness:      | <b>4 mm</b>     |
| Overall diameter:     | <b>82.5 mm</b>  |
| Bolt circle diameter: | <b>84 mm</b>    |
| Baffle cutout dia.:   | <b>70.5 mm</b>  |
| Mounting holes:       | <b>4</b>        |
| Depth:                | <b>45 mm</b>    |
| Net weight:           | <b>0.24 kg</b>  |

| Ordering codes:             |  |
|-----------------------------|--|
| <b>DR-3-001-8R-B2-C0001</b> |  |
| Legacy code: <b>463A</b>    |  |
| Recone kits:                |  |
| <b>RC463A</b>               |  |

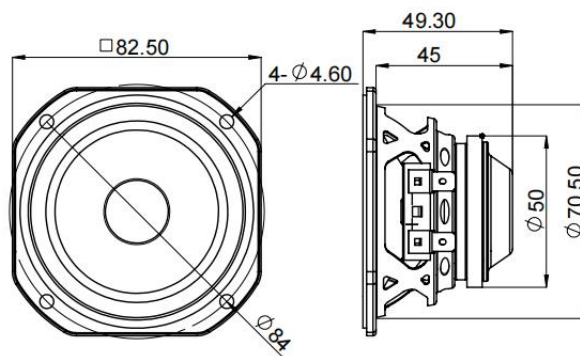
In many cases REDCATT produces 4, 8 and 16 ohm versions — indicate what impedance you need in your request.

### Frequency response & Impedance



Frequency response measured on IEC baffle

### 2D drawing



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