



Code: DR-15-012-8R-B2-C0001

Mid-Woofer/15inch/Ferrite/Paper/500W/8ohm

KEY FEATURES

- ✓ Cost effective design, yet with high spl, extended mid frequency
- ✓ Good power handling
- ✓ Lightweight paper cone, conex spider

QUICK SPECS

Impedance
8 Ω

Program Power
1000 W

Sensitivity
97.38 dB

Fs
38.00 Hz

Magnet
Ferrite

Voice Coil
63.5 mm

 [Datasheet \(PDF\)](#)

 [2D Drawing](#)

 [3D Model \(STEP\)](#)

Design Notes

The 154FIND is a cost-effective solution for two-way and multi-way systems, together with subwoofers. It's lightweight yet strong cone allows the magnetic circuit to be size optimized while delivering a seizable amount of sound pressure. With its high efficiency (97 dB 1watt / 1 meter) and high power handling capabilities, this woofer will excel in all applications with tight budgets. The cone shape and material was developed to extend mid-frequency response, making the woofer good choice for two-way and multi-way systems.

Power Handling

without the costly service cycles.

The cone is also extensively treated to withstand harsh environments and high humidity. Metal parts in the speaker assembly are coated for extreme weatherization protection.

Specifications

GENERAL SPECS

Nominal Diameter	15"
Rated Impedance	8 Ohm
Magnet	Ferrite
Basket Material	Steel

POWER HANDLING

AES Power	500 W
Continuous Power	1000 W
Peak Power	2000 W

VOICE COIL

Diameter	63.5 mm
Winding Wire	Copper
Former	Glass Fiber
Winding Height	17 mm

Resonant Frequency (Hz)	55.55 Hz
Re	5.60 $\times 10^{-2}$
Qes	0.430
Qms	8.10
Qts	0.400
Vas	187.20 liters
Sd	881.00 cm ²
Mms	103.00 grams
Rms	3.03
Cms	0.1700
Bl	18.10 Tm
Le	0.970 mH
Sensitivity	97.38 dB

General Material

Cone/Dome Material	Paper GF
Spider	Nomex
T-Plate	8 mm
Xmax (peak)	4.5 mm
Xmech	12.5 mm
Overall Diameter	387.00 mm
Bolt Circle Diameter	374.00 mm
Baffle Cutout Dia.	355.00 mm
Mounting Holes	8
Depth (flange to rear)	155.00 mm
Net Weight	6.30 kg

ORDERING CODES

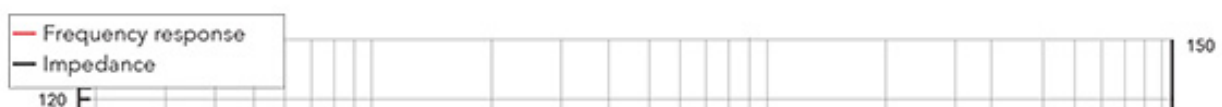
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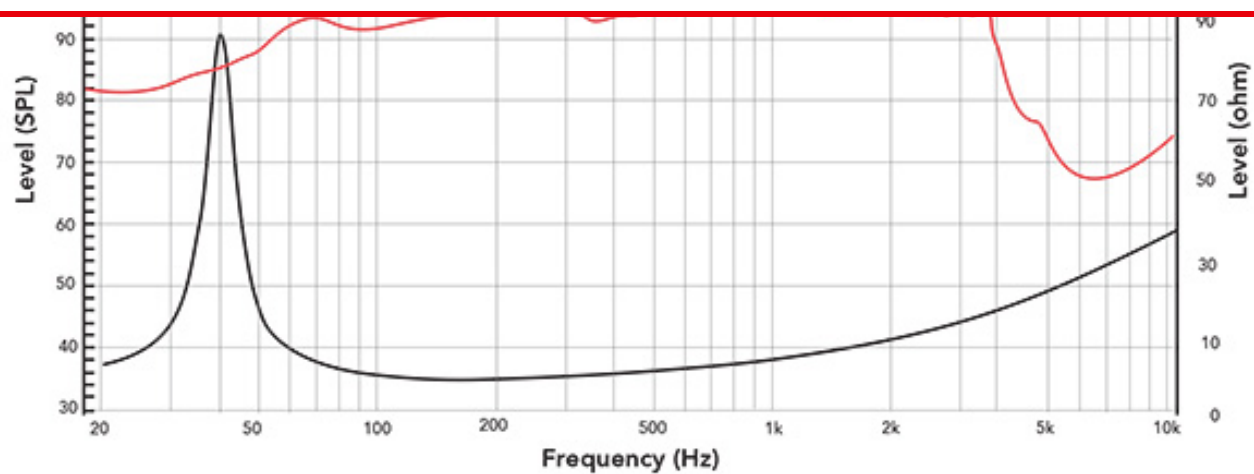
DOWNLOADS

 Datasheet (PDF)
  2D Drawing (PDF)
  3D Model (STEP)

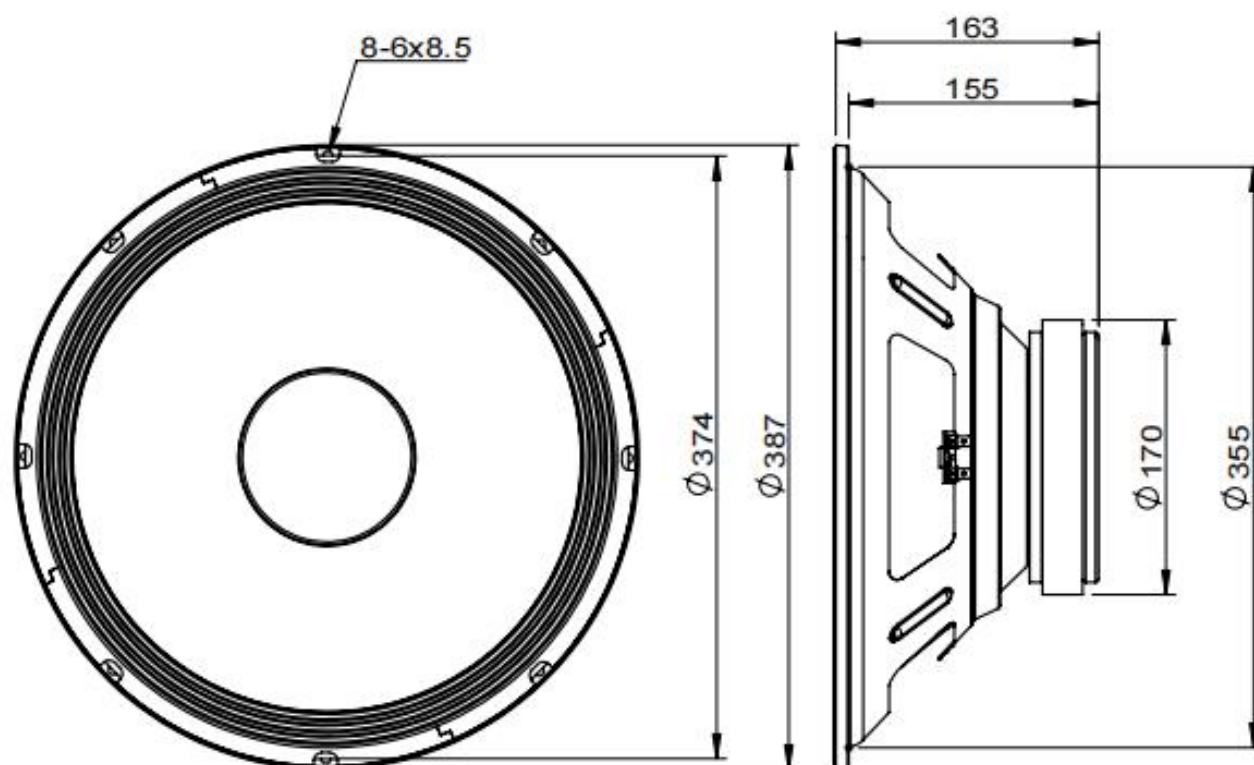
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Frequency Response & Impedance





2D Drawing



professional 2-way and multi-way systems requiring high sensitivity (97 dB 1W/1m) and controlled low-frequency behavior. The driver uses a balanced motor-suspension design that provides good cone control while maintaining usable output across its operating bandwidth.

The driver is intended for use with high-power amplification (approx. 500 W AES / 1000 W continuous) and DSP control. A high-pass filter in the range of 24-36 Hz is recommended depending on enclosure tuning, along with proper limiting to manage thermal and mechanical stress. Typical operating bandwidth is 31-1500 Hz, covering bass through upper-mid frequencies for direct integration with a compression driver or tweeter in a two-way or multi-way system.

This design is particularly effective in single or multi-driver bass reflex systems used in professional two-way and multi-way PA systems, powered monitors, and compact bass-reflex enclosures, where extended bandwidth, controlled distortion across the full operating range, and versatile system integration are required.

Recommended enclosure volumes are simulated results. For best enclosure volumes and tuning, we recommend secondary simulation and careful evaluation. Several rounds of samples and fine-tuning may be required for optimal results.

Enclosure Recommendations

Recommended enclosure alignments (bass reflex):

- 125 liters tuned to 44 Hz: high output, strong mid-bass, reduced excursion; -3 dB approx. 40 Hz, HP filter 36 Hz
- 150 liters tuned to 40 Hz: balanced response, general-purpose (recommended); -3 dB approx. 37 Hz, HP filter 30 Hz
- 150 liters tuned to 36 Hz: extended low-frequency, requires HP filter protection; -3 dB approx. 31 Hz, HP filter 24 Hz

What are the key features of the 154FIND? 

What enclosure is recommended for the 154FIND? 

What applications is the 154FIND suited for? 

What are the power and sensitivity specs of the 154FIND? 

Related Products



LF 15"
152FIND-1



LF 15"
152FIND-2



LF 15"
155FIND



LF 15"
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CONTACT

✉ info@redcatt.net

☎ (+86) 769 8318 1898

📍 Dongguan, China