



Code: DR-15-013-8R-B2-C0001

Woofer/15inch/Ferrite/Paper/400W/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

Sensitivity
94.55 dB

Magnet
Ferrite

Program Power
800 W

Fs
40.00 Hz

Voice Coil
63.5 mm

[📄 Datasheet \(PDF\)](#)[📎 2D Drawing](#)[📦 3D Model \(STEP\)](#)

Design Notes

The 155FIND 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	400 W
Continuous Power	800 W
Peak Power	1600 W

VOICE COIL

Diameter	63.5 mm
Winding Wire	Copper
Former	Glass Fiber
Winding Height	15.5 mm

Resonant Frequency (Hz)	48.88 Hz
Re	6.20 μ 2126
Qes	0.790
Qms	11.10
Qts	0.730
Vas	166.50 liters
Sd	881.00 cm $\times$ 00B2
Mms	102.60 grams
Rms	2.32
Cms	0.1500
Bl	14.38 T $\times$ 00B7m
Le	0.970 mH
Sensitivity	94.55 dB

General Material

Cone/Dome Material	Paper GF
Spider	Nomex
T-Plate	6 mm
Xmax (peak)	4.75 mm
Xmech	10.75 mm
Overall Diameter	386.00 mm
Bolt Circle Diameter	373.00 mm
Baffle Cutout Dia.	352.00 mm
Mounting Holes	8
Depth (flange to rear)	142.00 mm
Net Weight	4.50 kg

ORDERING CODES

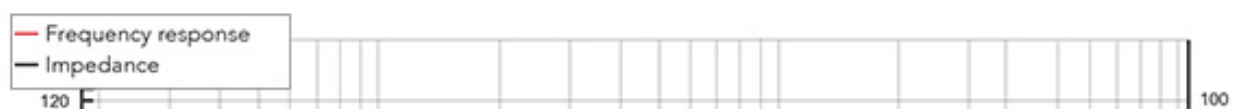
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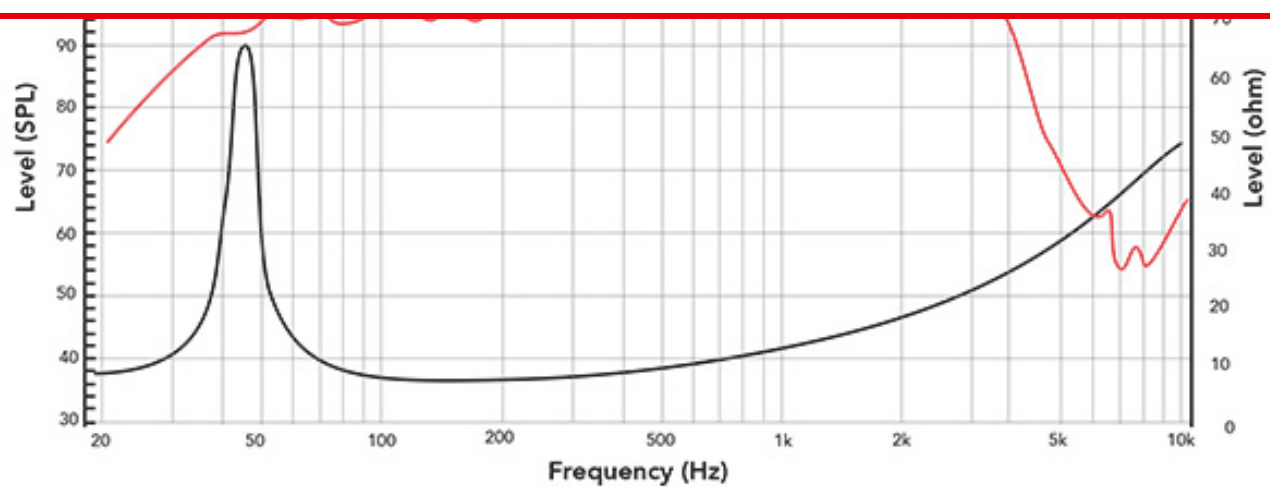
DOWNLOADS

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

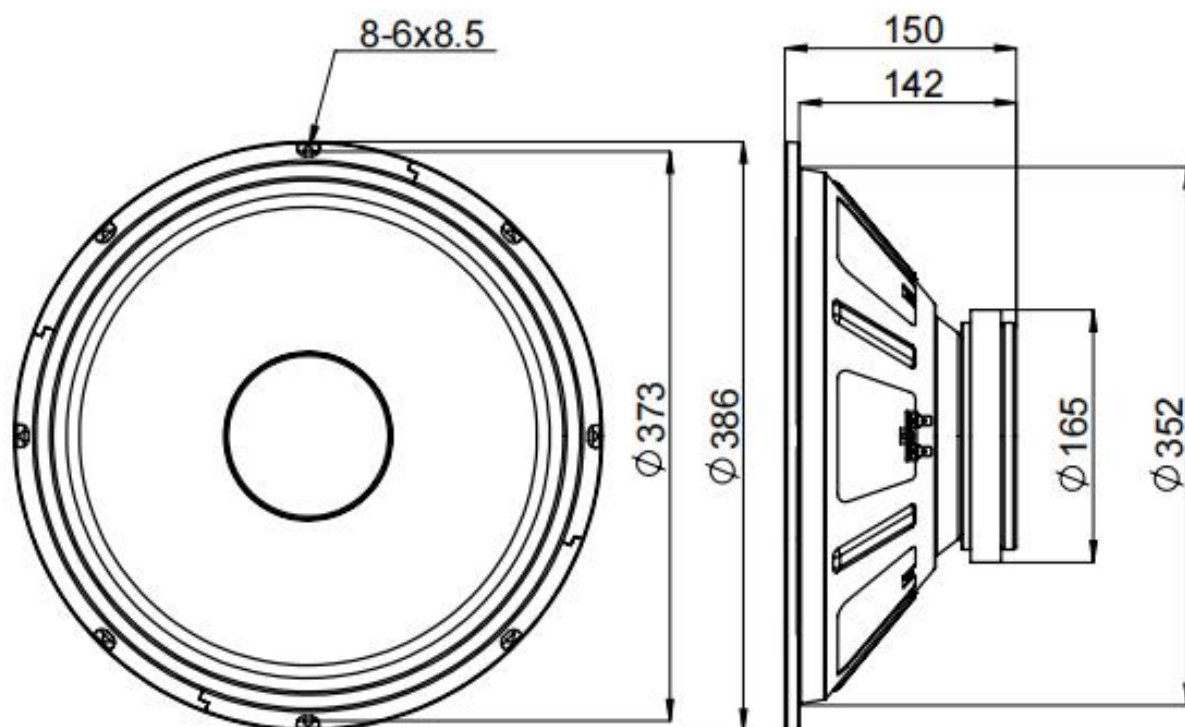
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Frequency Response & Impedance





2D Drawing



installed sound systems with 94.6 dB sensitivity (1W/1m). The driver features a lightweight paper cone with fabric surround and Nomex spider, utilizing a ferrite magnet motor on a steel basket for cost-effective high-output performance. Weatherized construction with treated cone and coated metal parts supports operation in harsh environments.

The driver is intended for use with high-power amplification (approx. 400 W AES / 800 W continuous) and DSP control. A high-pass filter in the range of 32-45 Hz is recommended depending on enclosure tuning, along with proper limiting to manage thermal and mechanical stress. The extended cone geometry supports midrange response up to 2-2.5 kHz, making the driver suitable for two-way system configurations.

This design is particularly effective in single or multi-driver bass reflex systems used in PA, live sound, rental, and installed sound applications, where cost-effective performance, weatherized durability, and high output capability 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):

- 55 liters tuned to 46 Hz: high output, strong mid-bass, reduced excursion; -3 dB approx. 42 Hz, HP filter 38 Hz
- 65 liters tuned to 42 Hz: balanced response, general-purpose (recommended); -3 dB approx. 39 Hz, HP filter 32 Hz
- 80 liters tuned to 38 Hz: extended low-frequency, requires HP filter protection; -3 dB approx. 32 Hz, HP filter 26 Hz

Frequently Asked Questions

What enclosure is recommended for the 155FIND?



What applications is the 155FIND suited for?



What are the power and sensitivity specs of the 155FIND?



Related Products



LF 15"
152FIND-1



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