

Preliminary Specifications: Rocquette

System Type	6.5" Coax, layered, weathered shale rock speaker
Impedance (nominal) ¹	4 Ohm
Sensitivity dB @ 2.38 V/1m	91 dB
Sensitivity dB @ 1W/1m ²	88 dB
Frequency Response (-3 dB) ³	111 Hz - 20 kHz
Frequency Response (-10 dB) ³	76 Hz - 22 kHz
Max. Program Power ⁴	140 W
Max. Continuous Power RMS ⁵	70 W
Max. Power SPL @ 1 m ⁶	106.5 db
Directivity Factor (Q)	3.1 (averaged 100 Hz - 10 kHz); 3.6 dB (2 kHz)
Directivity Index (DI)	4.0 (averaged 100 Hz - 10 kHz); 5.6 dB (2 kHz)
Coverage Angle (-6 dB @ 2 kHz)	125°
Coverage Angle (-6 dB @ 10 kHz)	90°
Coverage Angle (Ave from 2 to 10 kHz)	100°
Transducer- Low-Frequency Driver	165.1 mm (6.5 in.) weather resistant
Transducer- High-Frequency Driver	25 mm (1.0 in.) coaxial weather resistant
Enclosure Material	Elastomer reinforced polymer with pulverized stone
Inputs	Wire lead
Color Options	Brown, gray or sandstone
Height	228.6 mm (9.0 in.)
Width	393.7 mm (15.5 in.)
Depth	279.4 mm (11.0 in.)
Weight	7.3 kg (16 lbs.)
Included Accessories	N/A
Optional Accessories	64 W transformer
Packaging	1 Per box
Regulatory- CE	Approved
RoHS	Approved

¹ Impedance listed per IEC 60268-5 with a minimum less than 80% the nominal impedance

² 1w1m sensitivity determined using nominal impedance

³ Frequency response measured in half or full space as dictated by speaker mounting configuration

⁴ Max program power is 3 dB above max continuous power

⁵ Continuous power rating, EIA-426-B test

⁶ Max output based on max continuous power

SoundTube continually develops new product innovations and improvements. Updates to existing products without prior notice are an example of SoundTube's drive for constant improvement.

Transformer Taps (optional)

70.7 V	Output	100 V	Output	25 V	Output
64 W	106.0 dB	64 W	106.0 dB	8 W	97.0 dB
32 W	103.0 dB	32 W	103.0 dB	4 W	94.0 dB
16 W	100.0 dB	16 W	100.0 dB	2.0 W	91.0 dB
8 W	97.0 dB	8 W	97.0 dB	1.0 W	88.0 dB
4 W	94.0 dB				

Key Features

- 6.5 inch (203 mm) coaxial, two way weather resistant low frequency driver and one 1.0 inch (25 mm) weather resistant, high frequency driver.
- UV-, scratch-, chlorine- and weather-resistant enclosure with professional-grade components for long-lasting performance and durability.
- Layered and weathered shale texture.
- Open grille design is suited for placement in dense plants and shrubs.
- Color options: brown, gray or sandstone.
- Optional Accessories: 64 Watt 70/100 volt transformer.

Description

The Rockustics Rocquette is a premium 2-way outdoor loudspeaker solution for installations requiring high-performance sound in a design that matches the aesthetics of its environment. The Rocquette is designed for full-range back-ground/ foreground music and paging. The sealed, on-ground enclosure is designed to withstand rain, frost, snow and ice.

Applications

Its natural, weathered stone appearance makes the Rocquette an ideal choice for theme parks, promenades, playgrounds, shopping malls, restaurants, resorts, gardens and other outdoor applications. The speaker's open grille design is suited for placement in dense plants and shrubs, making it ideal for small to large sized spaces such as pool areas, walkways, and hotel gardens. Rocquette speakers take advantage of an optional 64 Watt transformer (request prior to order) for use in commercial applications.

Enclosure Technology

All Rockustics cabinets are constructed from a non-polluting stone and resin compound. The cabinets maintain a natural aesthetic, weather and age naturally, and are an earth-friendly alternative to plastic construction. To ensure 100% water- and weatherproofing, all Rockustics products come as a sealed unit. Therefore, the inclusion of optional transformers must occur prior to completion by manufacturer.



Patented SoundTube Technologies

SoundTube Entertainment and MSE Audio Group constantly develop new technologies that enhance audio product performance. SoundTube Entertainment innovations are protected by multiple U.S. and international patents, which explicitly cover SoundTube dispersion, enclosure and dome technologies. MSE Audio Group actively defends its patents in order to protect SoundTube resellers and end users.

Technical Data and Specification Tools

Technical Data

SoundTube Entertainment strives to provide complete and effective technical information and data to dealers, engineers and designers. All data are available from SoundTube Entertainment or at www.soundtube.com.

Technical data and downloads include:

EASE™ data – 3-D polar plots.

EASE™ Address – 2-D modeling for distributed systems

Autodesk® Revit® software

Tech Sheets – Technical information and architectural specs for system engineers

SoundTubeSPEC™ – Proprietary speaker placement software

Data Acquisition and Verification

All data for SoundTube speakers are independently collected from and verified by NWAALabs (www.nwaalabs.com) using their proprietary MACH testing system. All data are collected and analyzed according to ASTM, ISO and AES standards using EASRA, TEF and MLSSA. Full balloon data including both phase and magnitude are compiled into a variety of formats including EASE 4.x, GLL and CLF. Finalized test data has not yet been generated for Rockustics products. Please contact SoundTube for more information.

Architectural Specifications

The loudspeaker shall be an on-ground, coaxial design consisting of one 165.1 mm (6.5 in) low-frequency transducer and one 25 mm (1.0 in.) high-frequency transducer. The low-frequency voice coil diameter shall be 25 mm (1.0 in).

Performance specifications of a typical production unit shall be as follows: Usable frequency response shall extend from 76 Hz- 22 kHz. Measured sensitivity (2.83 Volt input, 1 meter) shall be at least 88 dB. The loudspeaker shall have a nominal impedance of 4 Ohms.

The enclosure shall be constructed of a non-polluting elastomer reinforced resin polymer with pulverised stone. Color options shall be brown, gray or sandstone. All transducers and network circuitry are weather resistant and ship in a sealed enclosure.

The external wiring input connector shall be hardwire leads. The overall cabinet dimensions shall be no more than 228.6 mm (9.0 in) in height by 393.7 mm (15.5 in) in width by 279.4 mm (11.0 in). The unit shall weigh no more than 7.3 kG (16 lbs).

The system shall be the Rocquette for both low and high impedance applications.

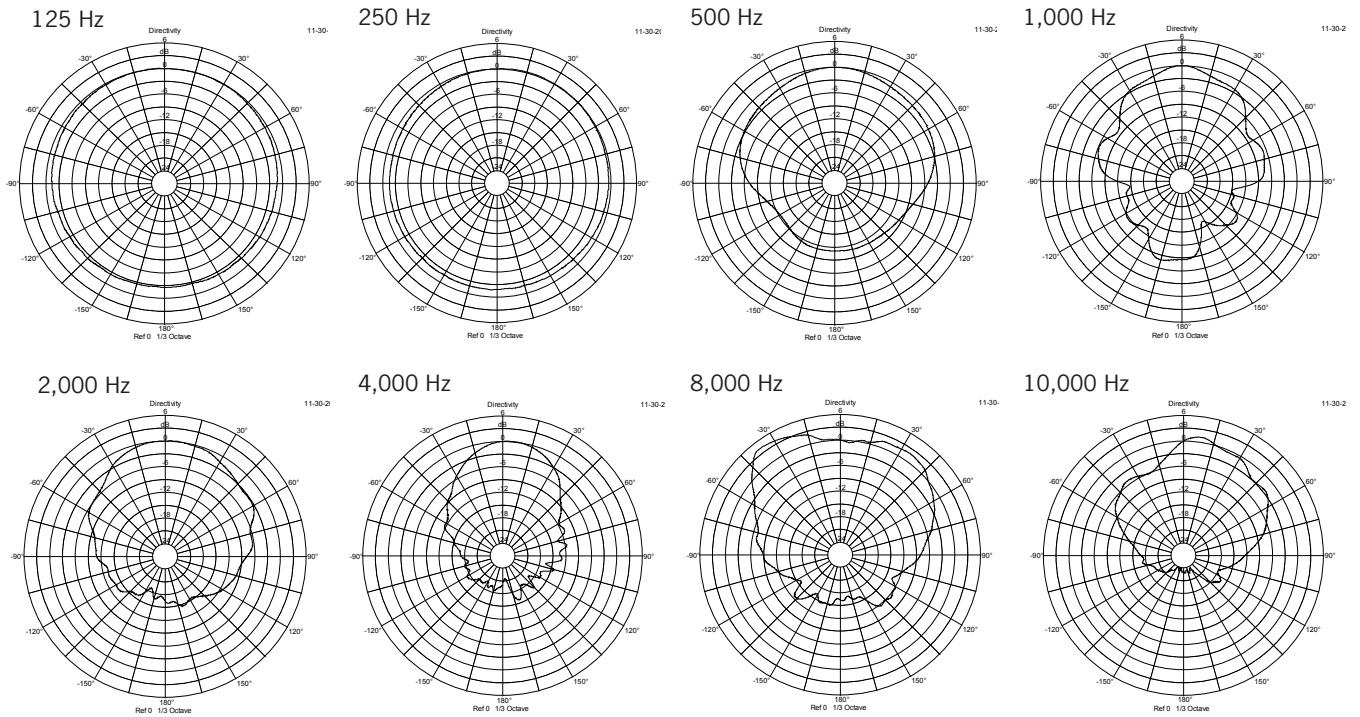
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All Rockustics products come with a 10-year limited warranty.

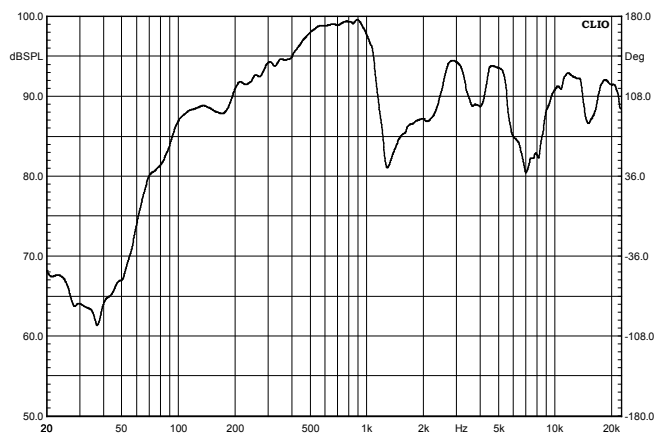


Polar Plots



Graphs and Plots

Frequency Response



Impedance/Phase

