RCFACUSTICA

SUBWOOFER SERIES

S4022

The S4022 is a compact, high-output band-pass subwoofer. The system is equipped with two advanced 12" RCF precision woofers mounted in a clam-shell internal chamber. The two transducers couple to achieve tight and maximised output. Each 12" features massive ceramic magnets and 3" copper voice coil.
The system is able of producing a Max SPL of 131 dB and handles 800 Watts AES.
The loudspeaker enclosure shape is rectangular and the cabinet is constructed of multi-ply baltic birch plywood and finished in a very resistant, textured, polyurethane black paint. It features a pole-mount receptacle, rubber feet, 2x recessed handles and 8x M10 mounting point plus extensive internal bracing for flown applications. The front steel grille is epoxy powder coated.

Applications

- Permanent Installations
- Sound Reinforcement in medium to large spaces
- AV Presentations
- Flown Clusters
- Club Systems
- Main PA in small to mid-size systems

Features

- Compact, arrayable, 2 x 12" bandpass subwoofer system
- 131 dB max SPL, 800 Watt AES
- Extensive internal bracing, 8 x M10 mounting points
- Recessed handles
- Epoxy powder coated front grille
- Dedicated to permanent installation
- Digital signal processor required to achieve optimised performance
- Recommended processor RCF DX4008

SPECIFICATIONSS

Freq. Range:	40Hz-200Hz
System sensitivity[1]:	98dB , 1W @ 1m
Rated maximum SPL:	132dB
System Nominal Impedance:	4 Ω
System Input Power Rating RMS[2]:	800W
System Input Power Rating PEAK[2]:	2400W
Recommended Amplifier[3]:	1600W

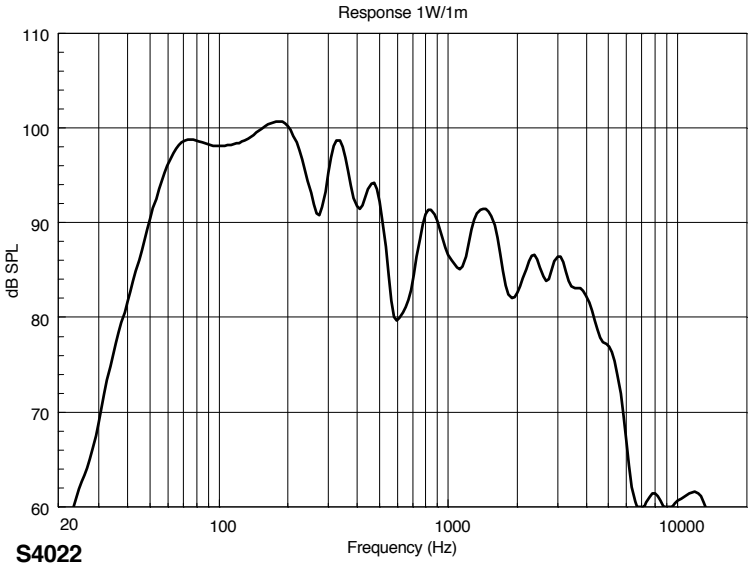
TRANSDUCERS

Low Frequency:	2 X12" (304,8 mm) woofet with 3" (76,2 mm) inside/outside voice coil
Nominal Impedance:	8Ω
Program power:	800 W
Power handling capacity:	400 W
Sensitivity[1]:	97 dB, 1W @ 1m

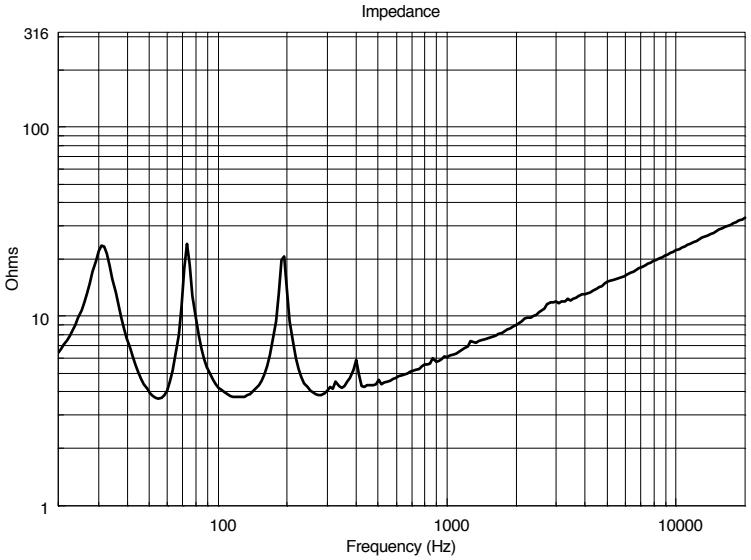
PHYSICAL

Enclosure:	Rectangle, 15 mm birch plywood construction
Rigging inserts:	8 X M10 Mounting Points, 2x Recessed Handles
Color:	Black, scratch resistant paint
Grille:	Custom perforated steel grille with open-cell poly fiber backing
Input Connectors:	2 X Speakon® NL4
Dimensions (H x W x D):	19.68"x25.59"x22.83" 500x650x580 mm
Weight:	83.77 lb - 38Kg

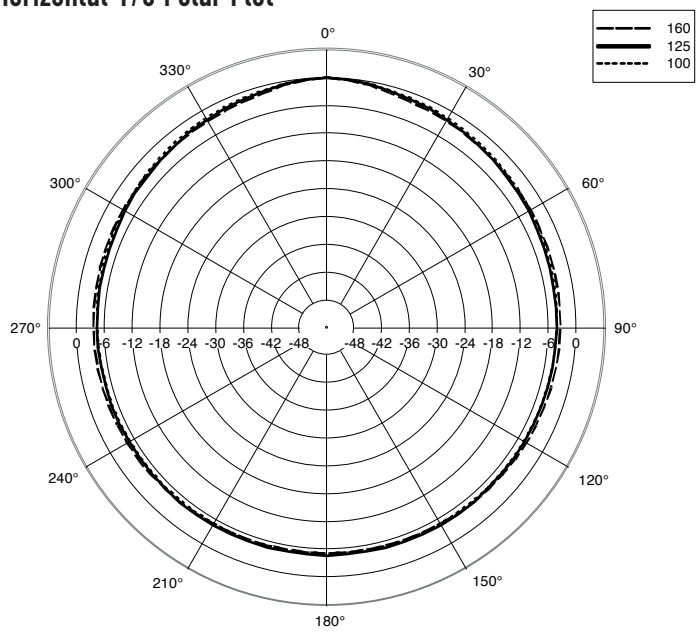
1 Measured on axis in the far field with 1 watt (2.83V RMS, 8Ω) input and referenced to 1 meter distance using the inverse square law. Listed sound pressure represents an average from 300Hz to 3kHz.
2 RMS using 20Hz to 20kHz, PN Spectrum, Peak for 2 hours with +6 dB crest factor.
3 Recommended Amplifier is a power capability value thats hould be taken as a guide.



S4022



Horizontal 1/3 Polar Plot



CSI PRODUCT SPECIFICATIONS FOR DESIGNERS, SPECIFIERS, AND CONSULTANTS (ALSO KNOWN AS “A&E SPECIFICATIONS”)
The following are “Part 2 Products” CSI-type specifications. It is assumed that “Part 1 General – Administrative and Procedures” and “Part 3 Execution – Installation and Maintenance” are part of an overall audio system or project specification.
PART 2 PRODUCTS

2.01 Approved Manufacturer/Product

A. RCF, Via Raffaello 13, 42010 Mancasale, Reggio Emilia, Italy.

B. Model number: S4022

2.02 Design

Configuration	Bandpass subwoofer
LF Sub-section	2 X 12” woofer, 3” voice coil

2.03 Acoustical Proprieties

Axial frequency range:	40Hz-200Hz
Axial sensitivity:	97db, 1W @ 1m
Power handling:	Applicable power 800W RMS Musical power 1600W Peak power 2400W
Nominal impedence:	8 Ω

2.04 Physical Properties

Enclosure:	Rectangle, 15 mm birch plywood construction
Rigging inserts:	8 X M10 Mounting Points, 2x Recessed Handles
Color:	Black, scratch resistant paint
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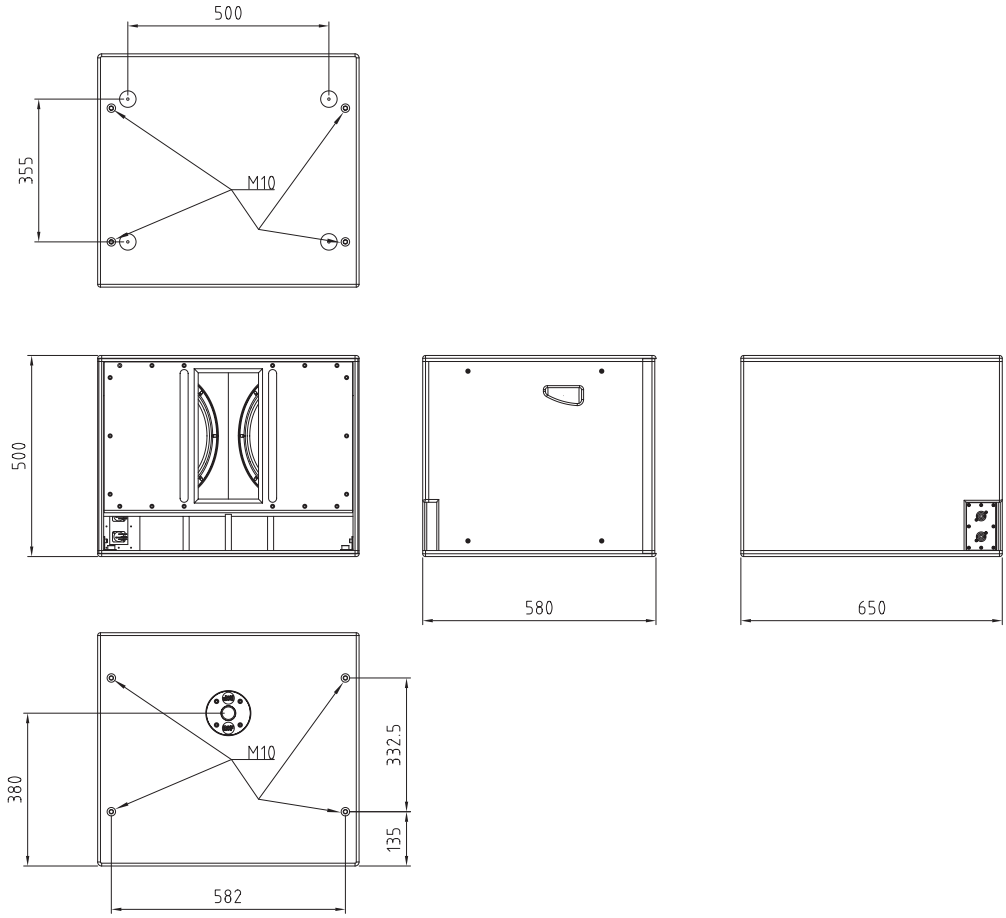

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