

CV5018S

18" High Power Passive Subwoofer System



The CV5018S subwoofer boasts highly dynamic, fast transient response with less low frequency descension. Outdoor extended low frequency performance is reinforced with legendary JBL subwoofer tuning, high-quality, low frequency response can be achieved. The CV5018S is a compact and powerful waterproof subwoofer with JBL Black DuraFlex™ finish. The 18" low frequency woofer is equipped with a high power 460 mm driver for optimal low-frequency performance. It can maintain linear even output at high volume level. Its inner structure design allows suspension.

The solid copper 100 mm (4") voice coil is wound in two different layers, supported by inner and outer coils, to integrate double exposure which is good for air cooling. Hence it allows increasing long-term heat resistance. The cone is made of a waterproof material empowering invincible waterproof performance. The subwoofer cabinet features 18mm birch plywood to ensure solid sound. Recessed handles are included for easy carrying. Two Neutrik® speakON™ NL4 waterproof connectors are provided for input and loop-through connections.

KEY INFORMATION ■

Rigging System

The top of the speaker cabinet includes M10 hoisting points, which can be used by hoisting accessories, and a removable non-slip plastic pad is installed at the bottom.

Waterproof

The CV5018S includes waterproof connections to support complex indoor and outdoor installation environments, eliminating concern about electronic component damage, due to moisture and rain.

System Solution

The CV5018S combines a high-quality, low-frequency loudspeaker system for indoor and outdoor environments, such as stadiums, multi-purpose halls, small and medium-sized theaters, theme parks, and so on. Therefore, the low frequency is greatly extended for the CV5000 Series products and a low frequency limit of the loudspeaker system is supplemented.

Performance

The CV5018S boasts powerful functions and fast transient response and is designed to deliver high sensitivity, ease of portability, and a compact design to meet high demanding applications.

HIGHLIGHTS ■

High performance

The CV5018S is designed with an IP55 waterproof rating to be consistently durable and reliable. It features 18 mm birch plywood to ensure optimal sound output. It includes an 18-inch low frequency driver, combining high power, high dynamic, wide frequency response, high energy, and good technologies. JBL Black DuraFlex™ finish is included for a sleek appearance that cannot be scraped easily.

Flexible installation

The back tilt design of the connection panel allows speaker against wall installation, and also prevents water from accumulating in the panel.

Imported brand

The CV5018S inherits the strict and demanding production standards of JBL.

TECHNICAL SPECIFICATIONS ■

System type	18" High Power Low Frequency Loudspeaker System
Frequency Range (-10 dB) ¹ :	38 Hz - 200 Hz
Frequency Range (±3 dB) ¹ :	48 Hz - 200 Hz
Rated Input Power ³ :	900W/1800W/3600W (Continuous/Music/Peak)
Rated Impedance:	8 ohms
Sensitivity (1w@1m) ¹ :	102 dB
Maximum SPL ¹ :	132 dB continuous average (138 dB peak)
Transducers	
Low Frequency Driver:	JBL 2242H 460 mm (18 inch) driver, with a 100 mm (4 inch) voice coil
Appearance	
Box Structure:	18 mm birch plywood, fitted with a handle, and Black DuraFlex™ finish for the appearance color
IP Rating ⁴ :	IP55 (IEC 60529)
Grille:	1.8 mm perforated iron mesh, attached with a waterproof grill inside
Input Connector:	2 x NL4 Neutrik Speakon®
Pin Assignments:	Low Frequency: 1+, 1-
Dimension (H x W x D):	700 mm x 637 mm x 684 mm
Net Weight:	51.7 kg

Footnotes:

1: Measured in a half space (2π) condition.

2: The maximum sound pressure level is calculated according to the rated power.

3: According to IEC standard, tested for 2 hours under pink noises with a crest factor of 6 dB.

4: The front is tilted down by 0 degree or more, to allow the cabinet to drain water. Suspension components are fully weatherproof, for use in indoor or outdoor conditions where humidity is nominally under 50%, and not local to bodies of corrosive materials. Unused speakON connectors must be sealed using silicone to protect against water and moisture. Please keep the bottom of the speaker at 0° with the ground horizontally.

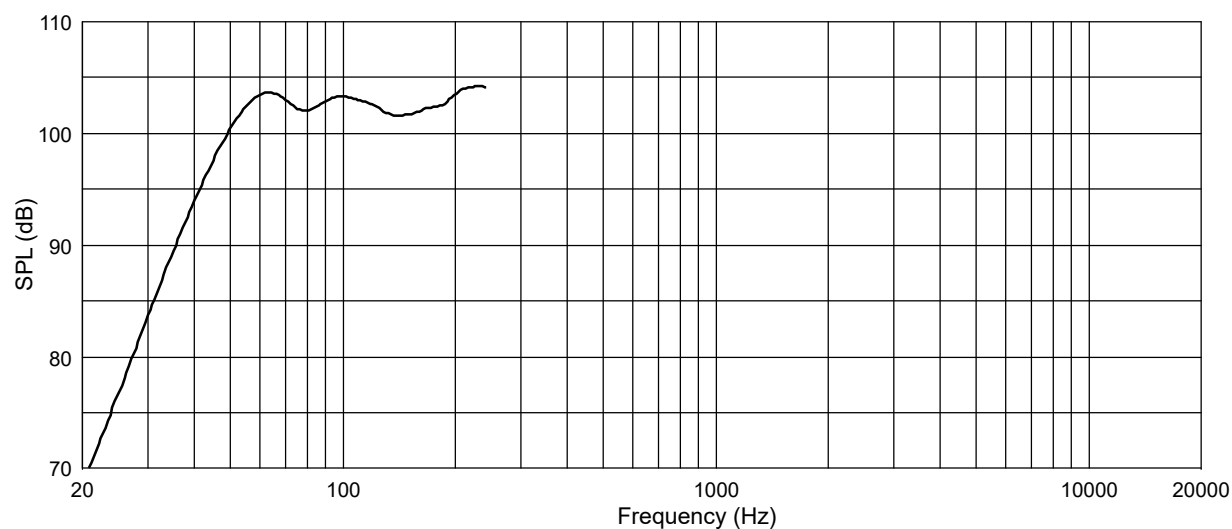
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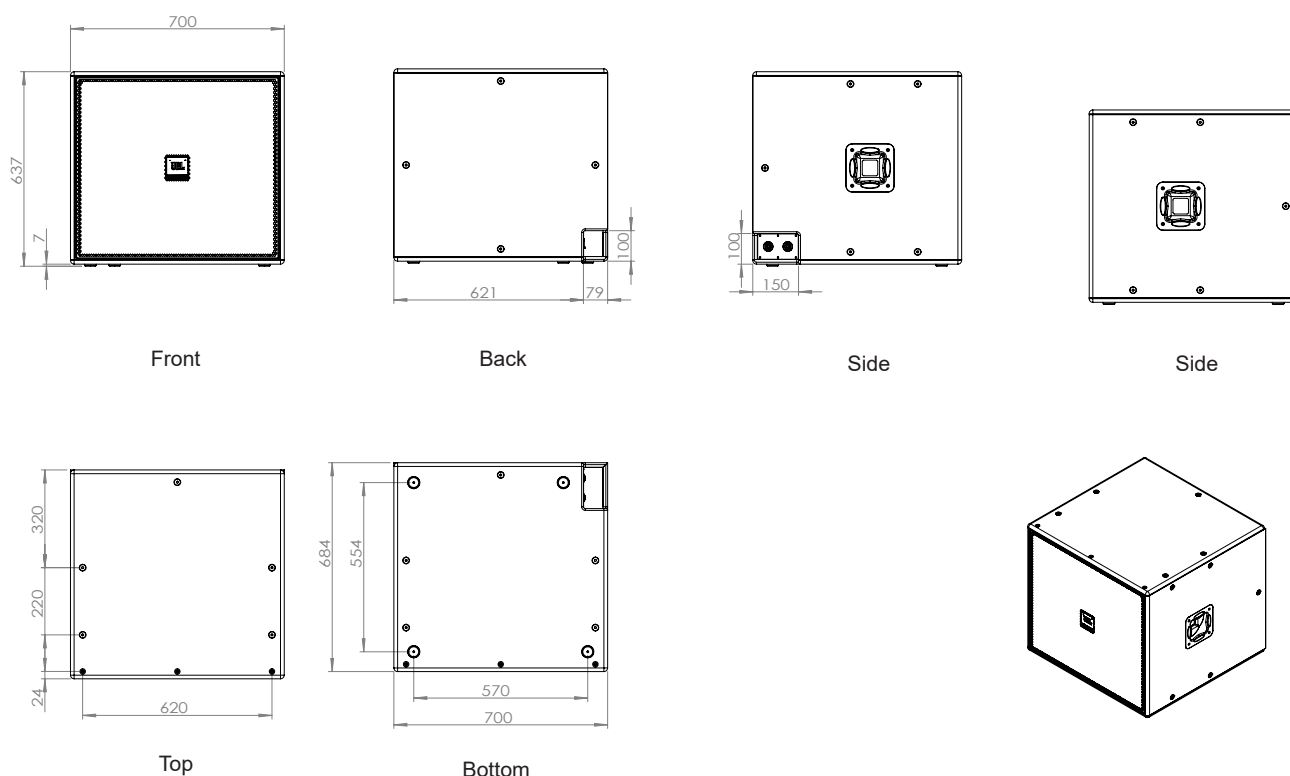
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Frequency response ■



Engineering drawings ■



Connection are water proof, they are not designed to be used in conditions where they will be submerged in water for an extended period of time.



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