

JBL GC2

Dual 18-Inch High Performance Subwoofer



JBL GC2 dual 18-inch subwoofer features two 18-inch transducers compared to traditional single-coil designs. The transducers use Differential Drive® technology, which provides better heat dissipation, lower power compression and higher dynamic range. In addition, the magnetic saturation pole piece and aluminum shorting ring significantly reduce non-linear distortion.

The transducer features a patented Differential Drive® dual voice coil and a magnetic gap neodymium magnet cone.

JBL GC2 supports ground stacking only, with a practical shape for easy stacking and precise cabinet volume for fast low frequency response performance.

KEY MESSAGES ■

System Solution

JBL GC2 features practical design. For example, the double-layer feet to meet the needs of fixed installations; tilting connector box allows it to fit closely to the wall without having to reserve space for cable installation; supports for stacking applications, either horizontally or vertically. JBL GC2 uses two high-powered woofer units, providing high-end low-frequency response performance and stable characteristics.

Performance

JBL GC2 woofer features ultra-low frequency response, patented Differential Drive® dual voice coil and magnetic gap neodymium magnet cone technology, designed to provide accurate ultra-low frequency coverage to meet demanding applications.

Structure Innovations

The GC Series features a unique structural innovation that distinguishes it from traditional single voice coil woofers by using dual voice coil and magnetic gap neodymium magnet cone transducer technology. The structure of the cabinet is redefined according to the characteristics of the low-frequency unit, reducing non-linear distortion and improving low-frequency dynamic response.

HIGHLIGHTS ■

JBL Transducers

JBL GC2 is a compact, powerful subwoofer that features two 18-inch woofer. The woofer employs unique dual voice coil and neodymium magnets and Differential Drive® technology to deliver better heat dissipation, light weight, extra-long excursion, and lower low frequency performance than conventional single-coil designs.

High Performance

JBL GC2 redefines the internal structure of the cabinet, which uses "Baltic" birch wood panels to maintain lower low frequency performance and to sustain large dynamic and high intensity output, making it ideal for top venues requiring advanced low-frequency response.

Durable and Reliable

With more than 70 years of acoustic technology and rigorous testing standards, JBL GC2 loudspeaker maintains the acoustic characteristics of high output and high dynamics, but also has a durable and reliable performance.

FEATURES ■

Unique and Innovative Internal Design

Compared to traditional single-coil designs, JBL GC2 use Differential Drive® dual voice coil technology to provide high dynamic range and low power compression with reduced non-linear distortion. At the same time, many innovative structural designs have been made to enhance the sound stability according to the needs of high-level venue applications.

Flexible Installation

JBL GC2 is equipped with a round hole on the top for stacking; the innovative tilted connector box design allows it to fit closely to the wall without reserving space for cable installation; the removable double-layer feet (rubber + plastic) design; the dynamic appearance and double logo design can blend into high-end place applications.

TECHNICAL SPECIFICATIONS ■

System	Dual 18-Inch-High Performance Subwoofer
Frequency Range (-10 dB) ¹ :	30 Hz – 250 Hz
Frequency Response (±3 dB) ¹ :	38 Hz –135 Hz
System Sensitivity (1w @ 1m) ¹ :	102 dB
Impedance:	4 ohms
Maximum SPL ² :	137 dB continuous average (149 dB peak)
Power Rating ³ : (Continuous/Program/Peak)	3600 W / 7200 W / 14400 W
Transducers	
LF Driver:	2 x 18": 460 mm (18 in) diameter; 100 mm (4 in) dual-coil, dual-gap neodymium Differential Drive® VGC™ driver
Physical:	
Enclosure:	18 mm birch plywood, fitted with handles at each side
Finish:	Duraflex finish
Grille:	1.8 mm thick with acoustically transparent black cloth backing
Input Connector:	NL4 Neutrik Speakon®
Pin Assignments:	Low Frequency: 1+, 1-
Dimensions (H × W × D):	585 mm x 1162 mm x 1033 mm
Net Weight:	111.15 Kg

Footnotes:

- 1: Measurement conducted under half-space (2π) conditions.
- 2: Peak, unweighted SPL, measured under Half-space conditions at 1 meter using broadband pink noise with a 12dB crest factor.
- 3: Testing conducted for 2 hours under pink noise with a crest factor of 6 dB, in accordance with IEC standards.

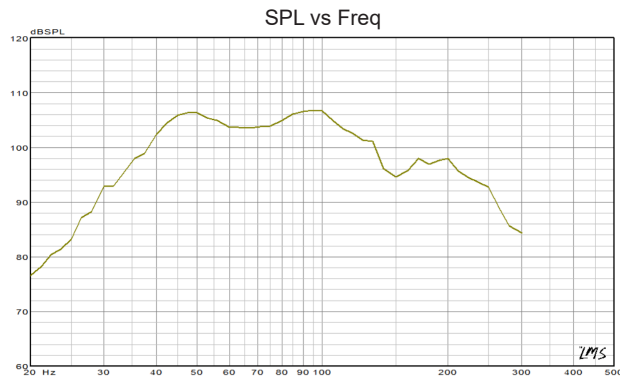
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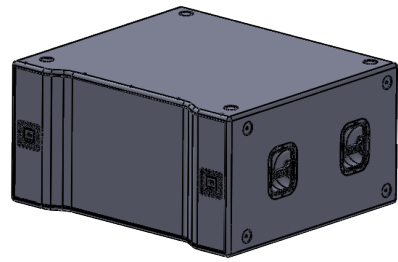
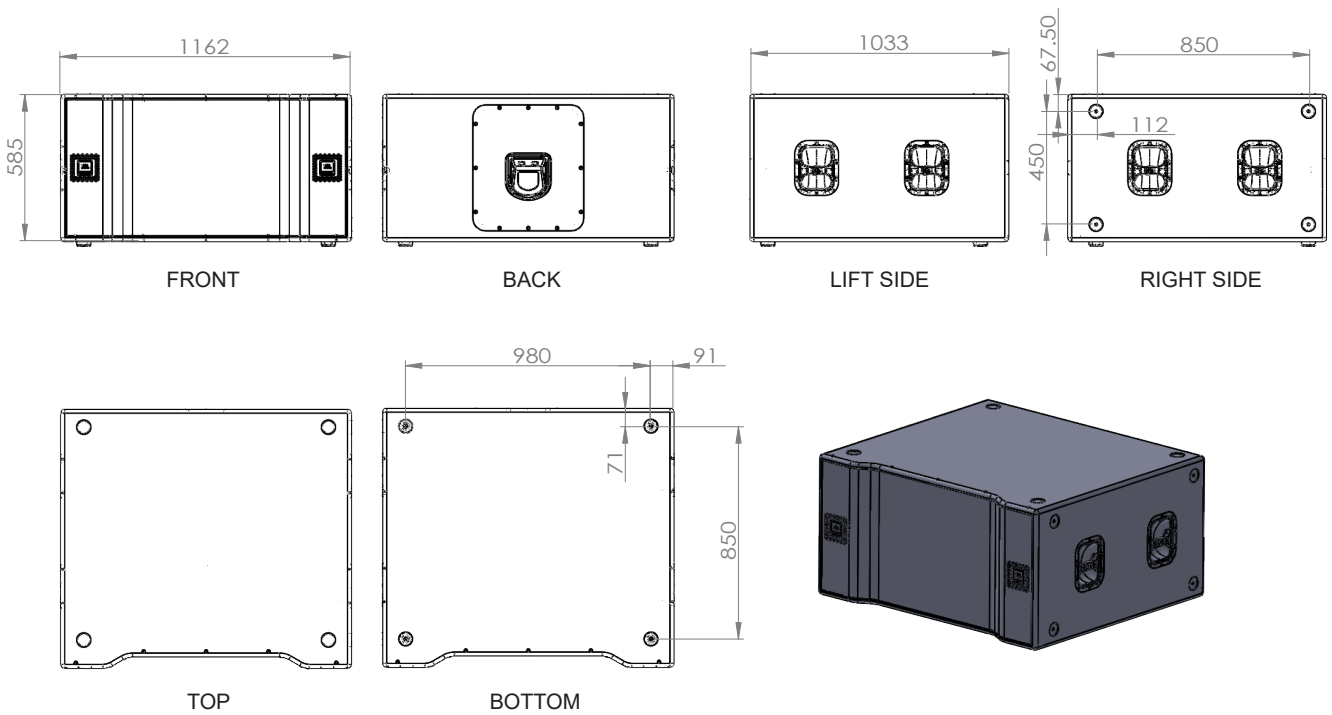
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Frequency response ■



Engineering drawings ■



: Plastic pad
 : Rubber pad

Note: Default delivery with both plastic and rubber foot pads pre-installed. For stacking application, rubber pads of the top subwoofer can be removed for easy stacking.