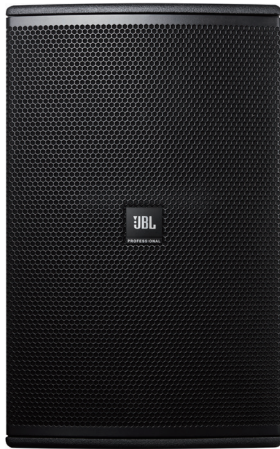


CV5012M

12" Two-way Full-Range Loudspeaker System



The CV5012M multifunction full-range speaker system is equipped with a 3-inch-high frequency compression tweeter and a 12-inch low frequency woofer, which features lightweight and fast transient response. Cabinet finish is coated with JBL DuraFlex™. The CV5012M can be adapted to varieties of fixed applications, to be used as wall-mounted full range speaker or as floor monitor. Recessed handles are included for easy carrying. An M10 fly point is included for suspended applications. Two Neutrik® speakON™ NL4 connectors provide input and loop-through connections, allowing different system configurations.

CV5012M low frequency response can be extended using CV5018S or CV5028S subwoofer. The CV5012M can also be wall-mounted and used vertically or horizontally. When the speaker is installed horizontally, the high frequency-horn can be rotated at a selectable angle of 90° x 60° or 60° x 90° to ensure the accurate coverage pattern.

KEY INFORMATION ■

Rigging System

The top of the speaker cabinet includes M10 hoisting points to facilitate vertical hoisting installations. M10 hoisting points are also included on the side and back, to support horizontal wall-mounted installations.

System Solution

The CV5012M is also a compact, portable, and Two-way passive point source speaker. It is designed for a variety of sound reinforcement applications, requiring high-quality sound, ease of transport, and supporting multi-functional application modes.

Waterproof

The CV5012M includes waterproof connections to support complex indoor and outdoor installation environments, eliminating concern about electronic component damage, due to moisture and rain.

Performance

The CV5012M full-frequency speaker is equipped with a 3-inch dual-voice-coil tweeter and a 12-inch high-power low-frequency transducer, to support a variety of applications. The CV5012M is designed to deliver high sensitivity, ease of portability, and a compact design, so as to provide users with precise sound field coverage, and meet any high demanding applications.

HIGHLIGHTS ■

Performance

The CV5012M is designed with an IP55 waterproof rating to be consistently durable and reliable. It features a JBL 3-inch high frequency compression driver, featuring high fidelity and even sound coverage. It includes a 12-inch low frequency driver, combining high power, great dynamics, wide frequency response, great energy, and good technologies. JBL Black DuraFlex™ finish is included for a sleek appearance that cannot be scraped easily.

JBL Transducers

The CV5012M transducer is lightweight and features SonicGuard™ sound protection technology to protect the high frequency drivers from power overload.

Flexible installation

CV5012M is designed with a rotatable horn at an angle of 90° x 60° and multiple selectable coverage angles. This speaker also includes a rotatable JBL logo, allowing the speaker to be installed vertically and horizontally, keeping the logo at a correct position. 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 CV5012M inherits the strict and demanding production standards of JBL.

TECHNICAL SPECIFICATIONS ■

System type	12" Two-way Full-Range Loudspeaker System
Frequency Range (-10 dB) ¹ :	52 Hz - 20k Hz
Frequency Range (±3 dB) ¹ :	85 Hz - 20k Hz
Coverage Angle:	90° x 60°
Rated Input Power ³ :	600W/1200W/2400W (Continuous/Music/Peak)
Rated Impedance:	8 ohms
Sensitivity (1w@1m) ¹ :	98 dB
Maximum Sound Pressure Level ² :	126 dB continuous average (132 dB peak)

Drivers	
Low frequency driver:	1x12" (304.8 mm) woofer with 3" (76.2 mm) voice coil
High frequency driver:	JBL 2432H-1, 38 mm (1.5 inch) exit compression driver, with a 75 mm (3 inch) voice coil

Appearance	
Box Structure:	15 mm birch plywood, fitted with a handle, and Black DuraFlex™ finish for the appearance color
IP Rating ⁴ :	IP55 (IEC 60529)
Rigging:	Top: 3 x M10 screws, Bottom: 3 x M10 screws, Side: 2 x M10 screws, Back: 3 x M10 screws
Grille:	1.5mm perforated iron mesh, attached with a waterproof grill inside
Input Connector:	2 x NL4 Neutrik Speakon® in parallel for loop-thru (Selectable Bi-amp and Passive modes)
Pin Assignments:	Bi-amp low frequency: 1+, 1-, high frequency: 2+ 2-, Passive full range 1+, 1-
Dimension (H x W x D):	630 mm x 394 mm x 345 mm
Net weight:	21.3 kg

Footnotes:

1: Measured in a full space (4π) 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 degrees 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 do not place the front of the speaker directly toward the direction of rain.

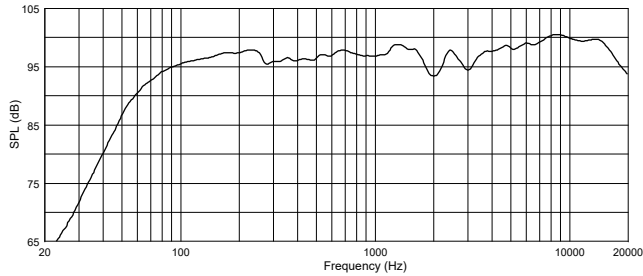
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CV5012M

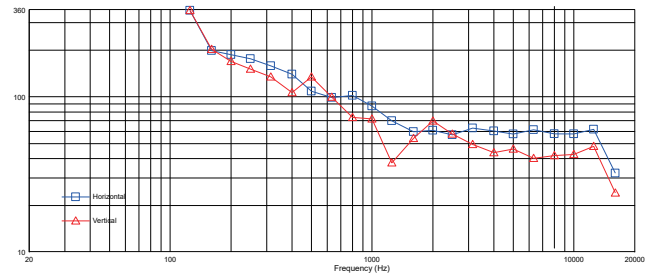
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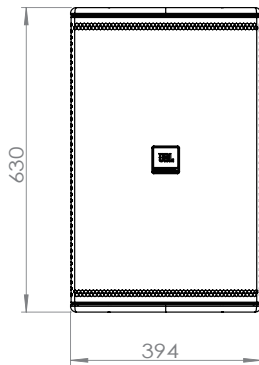
CV5012M frequency response ■



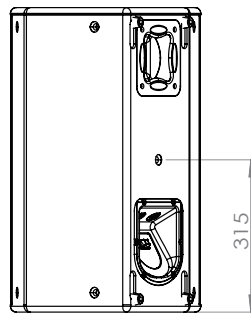
CV5012M horizontal polar map ■



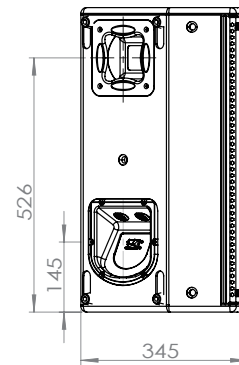
Engineering drawings ■



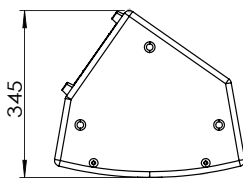
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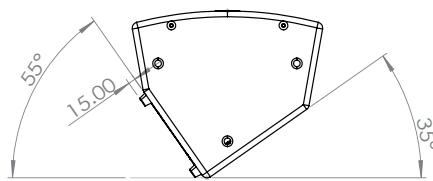
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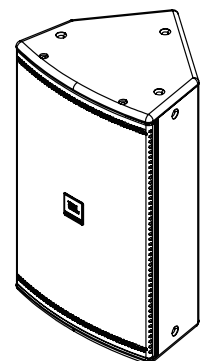
Side



Top



Bottom



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