



HIGHLIGHTS

NEXT-GEN JBL LOUDSPEAKER TECHNOLOGY

Innovative 3-Way design for best-in-class performance and a constant 120-degree directivity down to 230 Hz.

JBL TRANSDUCERS

Maximum transducer density with nine custom JBL transducers specifically engineered for the A12W.

INNOVATIVE RIGGING SYSTEM

Patented auto-locking rigging system for quick, easy and accurate deployment of integrated systems.

TOUR-GRADE BUILD QUALITY

Premium, high-quality materials for maximum longevity and reliability.

The VTX A12W is a next-generation line array system that delivers JBL Professional's flagship loudspeaker technology in a compact, lightweight solution for mid- to large-size touring applications and high-end fixed installations. The VTX A12W was designed to address the diverse sound reinforcement needs of rental companies, installation houses, FOH engineers and tour sound production crews. At the core of the A12W is the latest in JBL transducer technology and waveguide design, delivering unmatched performance and sound quality. A patented auto-locking rigging system streamlines deployment, while a comprehensive suite of accessories allows for a number of deployment configurations and options. Design and manufacturing refinements maximize longevity and versatility while minimizing size and dramatically reducing weight. Like all other VTX products, A-Series cabinets are made out of the highest quality materials and finished with JBL's DuraFlex™ impact resistance black coating.

KEY MESSAGES

PERFORMANCE

JBL Professional is the world's leading manufacturer of loudspeaker systems, using custom-designed and built drivers for optimal performance.

VTX A12's high frequency (HF) section features three uniquely designed drivers that combine the HF phasing plug and waveguide into one part providing better tolerances and increased sensitivity above 10 kHz, while reducing distortion and overall weight.

The patented Radiation Boundary Integrator incorporates four 5.5-inch mid frequency drivers into the high frequency waveguide while providing a smooth surface for the high frequency horn.

A lightweight 12-inch low frequency woofer (LF) features a fourth-generation Differential Drive design that adds dual magnets to its dual voice coil/dual gap construction, and a host of proprietary JBL technologies for increased excursion, power handling, and sensitivity.

INNOVATIVE RIGGING

VTX A12 marks a giant leap forward in how loudspeakers are rigged and transported. Four array elements are stacked on the vertical transporter cart for fast deployment. The rigging features an auto-locking mechanism, which allows the selection of angles while components are on the ground; once the system is suspended, the mechanism automatically locks cabinet angles in the designated positions. Set angles simply by pulling and placing a pin—it's that easy.

ACCESSORIES

Multiple accessory options provide flexibility in the VTX A12's mounting, integration and installation capabilities. Highlights include a Base Plate that mounts the A12 on top of ground-stacked subwoofers such as the B28. The array frame and vertical transporter cart were purpose-built to meet both U.S. and international truck pack dimensions for the most efficient system transportation.

TECHNICAL SPECIFICATIONS

SYSTEM

Frequency Range (-10 dB): 46 Hz - 19 kHz (Preset: VTX A12W)

Coverage Pattern (-6 dB)

Horizontal: 120 degrees nominal (250 Hz - 18 kHz)
Vertical: Varies with array size and configuration

System Input Power Rating¹

LF: 2x 800W Continuous (IEC/100 hour)
MF: 400W Continuous (IEC/100 hour)
HF: 150W Continuous (IEC/100 hour)

Maximum Peak Output²: 146 dB (Preset: VTX A12W)

System Amplification: Crown I-Tech 9000HD
 Crown I-Tech 12000HD
 Crown I-Tech 4x3500HD

Required Amplifier Channels: (4) channels (LF|LF|MF|HF)

Number of Cabinets per Circuit: (3) VTX A12W

System Impedance: LF: 2x 8 ohms | MF: 8 ohms | HF: 8 ohms

TRANSDUCERS

Low Frequency : (2) JBL 2264H, 12 in diameter, dual 3 in diameter voice coil, Neodymium Differential Drive[®]

Mid Frequency : (4) JBL 2165H, 5.5 in diameter, dual 2 in diameter voice coil, Neodymium Differential Drive[®]

High Frequency : (3) JBL 2423K, 2 in diameter annular diaphragm, 2 in diameter voice coil, Neodymium compression drivers

ENCLOSURE

Construction : 15 mm 11-ply Finnish birch plywood, Black DuraFlex™ finish, four integral recessed handles

IP Rating³ : IP55 EN (60529)

Suspension : High-grade steel with anti-corrosion coating, captive suspension plates, quick release pins, auto-locking mechanism for setting angles

Inter-enclosure Angle (deg) : 0.25, 0.5, 1, 1.5, 2, 2.5, 3, 4, 6, 8, 10

Grill : Powder coated 1.8 mm (14-gauge), hex-perforated steel with acoustically transparent black cloth backing

Connectors

Type : (2) Neutrik[®] speakON[®] NL-8
Pin Assignments : Pins 1 ± (LF), Pins 2 ± (LF),
 Pins 3 ± (MF), Pins 4 ± (HF)

Dimensions (H x W x D) : 330 mm x 1118 mm x 495 mm
 13 in x 44 in x 19.5 in

Net Weight : 60.8 kg (134 lbs)

Footnotes:

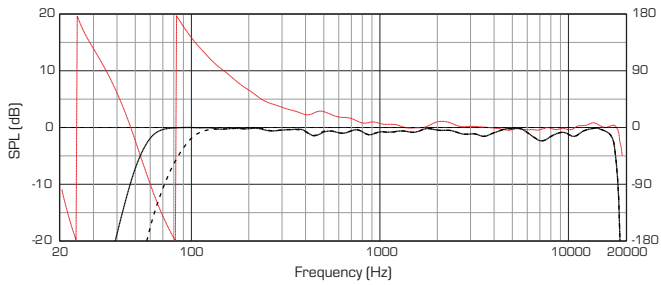
1: IEC Standard: IEC shaped noise with 6 dB crest factor based on nominal impedance and a duration of 100 hours

2: Peak, unweighted SPL, measured under **full-space** conditions at 1 meter using broadband pink noise with a 12 dB crest factor and specified preset

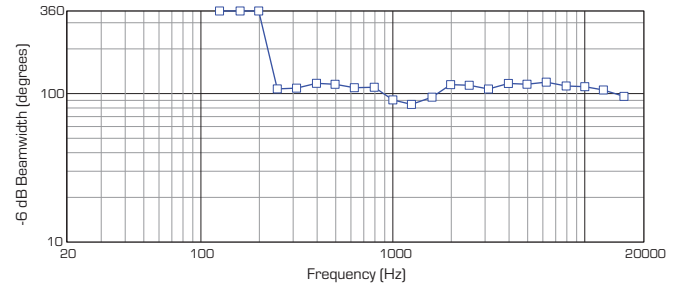
3: Front face at 0 degree or greater down angle to allow the cabinet to drain water. Suspension components fully weather rated for indoor or covered outdoor conditions where humidity is nominally under 50% and not local to bodies of corrosive materials. Unused speakON connectors must be sealed using silicone to protect against water and moisture

ACOUSTIC MEASUREMENTS

FREQUENCY RESPONSE



BEAMWIDTH



— VTX A12W FL - - - VTX A12W FL 80 — VTX A12W Phase

— Horizontal Beamwidth

DIMENSIONS

