



HIGHLIGHTS

Next-gen JBL loudspeaker technology

Next-generation acoustic components for best-in-class SPL output and 120-degree directivity down to 250 Hz

Highs, mids and lows

Using JBL's latest high, mid and low frequency designs and components, the VTX Series provides better tolerances, reduced distortion, and increased power handling

Fast rigging

Quicker deployment with redesigned suspension system and patented internal locking mechanism for up to 1/4-degree increment settings

Lightweight truck-friendliness

Lightest-in-class, completely redesigned frame with truck-friendly dimensions

JBL VTX A12W is a complete tour sound solution for mid- to large-size touring applications and high-end fixed installations. VTX A12W was designed from scratch to address the unique challenges of rental companies, FOH engineers and tour sound production crews. Next-generation JBL transducer technology and a high-frequency waveguide design deliver unmatched performance, sensitivity and coverage. A patented JBL rigging mechanism and redesigned suspension system streamline deployment and setup. And refinements to the physical design maximize reliability and versatility, while minimizing size and dramatically reducing weight. The VTX A12W is acoustically and mechanically compatible with the A12 and offers a wider, 120-degree horizontal directivity. VTX A12W can be used standalone for applications that require wide horizontal coverage or in conjunction with A12 for combination arrays.

KEY MESSAGES

PERFORMANCE

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

VTX A12W's **high-frequency (HF)** section features three uniquely designed drivers that combine the HF phasing-plug and waveguide into one part, which helps provide better tolerances and increased sensitivity above 6 kHz, while reducing distortion and overall weight.

Its **patented JBL Radiation Boundary Integrator** combines four 5.5" mid-frequency drivers into the high-frequency waveguide—providing a smooth horn surface for the high-frequency section.

A lightweight 12" low-frequency woofer (LF) features a 4th generation Differential Drive design, **a dual voice coil, dual magnet** and a host of proprietary JBL technologies for increased excursion, power handling and sensitivity.

INNOVATIVE RIGGING

VTX A12W marks a giant leap forward in how the loudspeakers are rigged and transported. To facilitate quicker deployment, array elements are stacked four per vertical transporter cart in a 10-degree collapsed position. A patented internal locking mechanism makes it easy to set arrays at up to 1/4-degree increments using selector pins.

ACCESSORIES

The VTX A12 Array Frame is the lightest in its class. At 41 kg. (90 lbs) the lightweight frame allows the system to be deployed in a variety of use cases and venues. Both the cart and frame were purposefully engineered to meet both U.S. and European truck pack dimensions to help production companies transport the system more effectively.

TECHNICAL SPECIFICATIONS

SYSTEM

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

Coverage Pattern [-6dB]

Horizontal: 120 degrees nominal (250Hz - 16kHz)

Vertical: Varies with array size and configuration

System Input Power Rating¹

LF: 2 x 800W Continuous (IEC / 100 hour)

MF: 400W Continuous (IEC / 100 hour)

HF: 150W Continuous (IEC / 100 hour)

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

System Processing: Crown Audio I-Tech 12000HD
Crown Audio I-Tech 4x3500HD

System Impedance

LF: 2 x 8 ohms

MF: 8 ohms

HF: 8 ohms

TRANSDUCERS

Low Frequency: 2 x JBL 2264H, 12in diameter, dual 3in diameter voice coil, Neodymium Differential Drive

Mid Frequency: 4 x JBL 2165H, 5.5in diameter, dual 2in diameter voice coil, Neodymium Differential Drive

High Frequency: 3 x JBL 2423K, 2in diameter annular diaphragm, 2in diameter voice coil, Neodymium Magnet

ENCLOSURE

Construction: 18mm and 15mm, 11-ply Finnish birch plywood, Black DuraFlex™ finish, integral recessed handles

IP Rating³: IP55 EN (60529)

UV Rating: 6 (ISO105-B01)

Suspension: Captive suspension plates, quick-release pins, auto-locking mechanism for setting angles

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

Grill: Powder coated 14-gauge hex-perforated steel with acoustically transparent black cloth backing

Connectors

Type: Neutrik® SpeakON® NL8 (2x)

Pin Assignments: Pins 1 ± (LF), Pins 2 ± (LF),
Pins 3 ± (MF), Pins 4 ± (HF)

Dimensions (H x W x D): 330.2mm x 1118mm x 495.3mm
13.0in x 44.0in x 19.5in

Net Weight: 60.8 kg (134.0 lbs)

Footnotes:

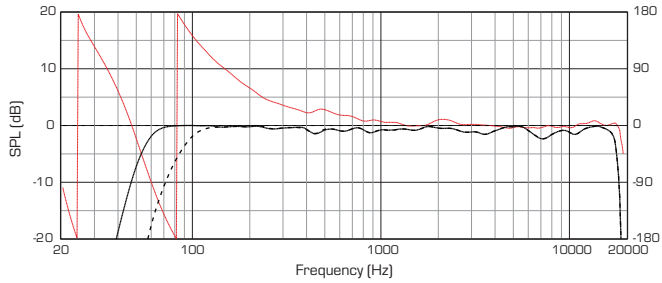
1: IEC Standard: IEC shaped noise with 6dB crest factor based on nominal impedance and a duration of 100 hours

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

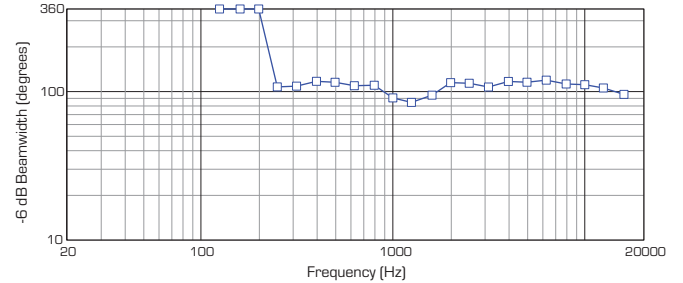
3: Front face at 0 degree or greater down angle to allow the cabinet to drain water. Suspension components fully weather rated for indoor or covered outdoor conditions where humidity is nominally under 50% and not local to bodies of corrosive materials

ACOUSTIC MEASUREMENTS

FREQUENCY RESPONSE



BEAMWIDTH



— VTXA12W FL - - - VTXA12W FL 80 — VTXA12W Phase

— Horizontal Beamwidth

DIMENSIONS

