



HIGHLIGHTS

JBL SLIPSTREAM™ LOW FREQUENCY PORTS

Proprietary double-flared ports precision engineered for greater low frequency extension and reduced port noise.

JBL TRANSDUCERS

JBL 2285H 15-inch Differential Drive® woofer with a dual voice coil, dual gap design, neodymium magnets, and carbon-fiber-based cone.

INNOVATIVE RIGGING SYSTEM

Captive, spring-loaded, quick release mechanism for easy assembly, quick deployment, and quiet operation.

FLEXIBLE CONFIGURATIONS

Form cardioid arrays simply by orienting the cabinets and selecting a preset.

The VTX B15 Compact Arrayable 15-inch Subwoofer extends the low end performance of VTX full-range sound reinforcement systems, including the VTX A6 Subcompact Dual 6.5-inch Line Array Element. The B15 is a versatile solution for production companies, touring acts, rental houses, theaters, houses of worship, or anyone who demands superior sound reinforcement when space is at a premium. The B15 joins the VTX B-Series subwoofer family in harnessing VTX acoustic innovations such as SlipStream™ double-flared exponential ports and Differential Drive® dual voice coil woofer design. The B15 has the same width and suspension hardware as the A6, allowing the two products to be combined in a range of flown and ground-stacked configurations. Together with the A6, the B15 brings flagship VTX sound quality and performance to a compact footprint, whether supporting small and midsize applications or supplementing large VTX systems. It's never been easier to deliver impactful, VTX-quality sound at any scale.

KEY MESSAGES

TRANSDUCER DESIGN

The B15 features a high performance 15-inch woofer based on the patented Differential Drive technology, which uses a unique dual voice coil, dual gap design. The extra surface area provided by the dual four-inch voice coil design delivers better heat dissipation and lower power compression than conventional single-coil designs. The dual neodymium magnets are placed inside the coils, reducing weight and improving magnetic efficiency. The outside of the woofer is a unified cast aluminum frame, which acts as a large heat sink to cool down the woofer. The ultra-robust carbon fiber-based cone creates a rigid diaphragm, significantly reducing mass and cone breakup distortion. The result is a robust 15-inch woofer with an impressive peak-to-peak maximum excursion that rivals 18-inch designs.

CONTROLLABLE COVERAGE

The B15 makes it simple to form omnidirectional or cardioid arrays. Speaker connectors are available on both front and rear panels, streamlining cable management in either configuration. A switch on the rear input panel allows selecting between channel one or two of the NL4 cable, minimizing cable requirements.

VTX A6 COMPATIBILITY

The B15 features a captive, spring-loaded mechanism for quick deployment and quiet operation. The rigging system allows for omnidirectional or cardioid configurations in small and large-scale flown or ground-stacked arrays. The rigging system is compatible with the A6, allowing B15 subwoofers to be suspended above A6 cabinets in flown arrays, or stacked on top of B15 using the A6 Base Plate accessory. All A6 suspension accessories are compatible, and arrays of up to 15 subwoofers can be created.

TECHNICAL SPECIFICATIONS

ACOUSTICAL

Frequency Range

(-10 dB) : 35 Hz-95 Hz (Preset: 80 Hz)
 (±3 dB) : 42 Hz-80 Hz (Preset: 80 Hz)

Coverage Pattern Options¹ : Omnidirectional or Cardioid

Maximum Peak Output² : 132 dB (Preset: 80 Hz)

System Power Rating³ : 1300 Watts Continuous (IEC/100 hour)

System Type : Passive Subwoofer

AMPLIFICATION

System Amplification :	Crown iTech 4x3500HD	Crown iTech 9000HD	Crown iTech 12000HD
Number of Cabinets per Channel ⁴ :	(2)	(2)	(3)
Required Amplifier Channels ⁴ :	(1)		
System Nominal Impedance ⁵ :	8 ohms		

TRANSDUCERS

Low Frequency : (1) JBL 2285H, 15 in diameter, dual 4 in diameter voice coil, neodymium Differential Drive®

PHYSICAL

Enclosure : 15 mm, 18 mm and 24 mm exterior grade birch plywood, black DuraFlex™ finish, two integral recessed handles

Environmental Specifications : IP55 (IEC 60529)⁶
 MIL-STD-810
 UV (ASTM G154)

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

Grille : Powder coated 1.5 mm (16-gauge) hex perforated steel with acoustically transparent black cloth backing

Connectors

Type : (4) Neutrik® speakON® STXX Series NL4 (two at the rear and two at the front)
Pin Assignments : Selectable between Pin 1 ± and Pin 2 ±

Dimensions (H x W x D) : 446 mm x 536 mm x 586 mm
 18.3 in x 21.1 in x 23.1 in

Net Weight : 41.5 kg (91.5 lbs)
Shipping Weight : 46.7 kg (103 lbs)

Footnotes:

1: Based on speaker preset selection and cabinet orientation/configuration.

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

3: IEC Standard: IEC shaped noise with 6 dB crest factor based on nominal impedance and a duration of 100 hours. Continuous is defined as 2x RMS.

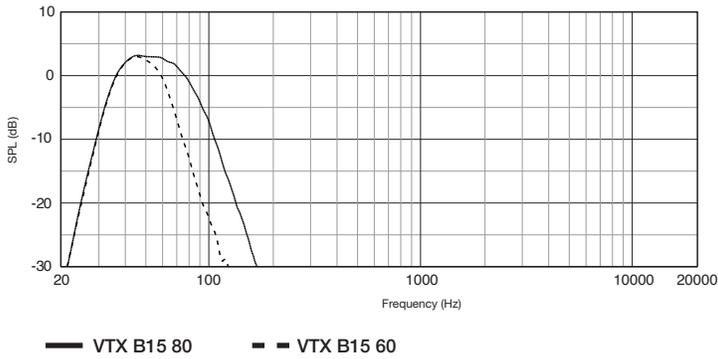
4: For more information on how to power B15 subwoofers, refer to the VTX B15 User Manual.

5: Nominal impedance within the stated frequency range of the product. Minimum impedance is 6.1 Ω at 38 Hz and 180 Hz.

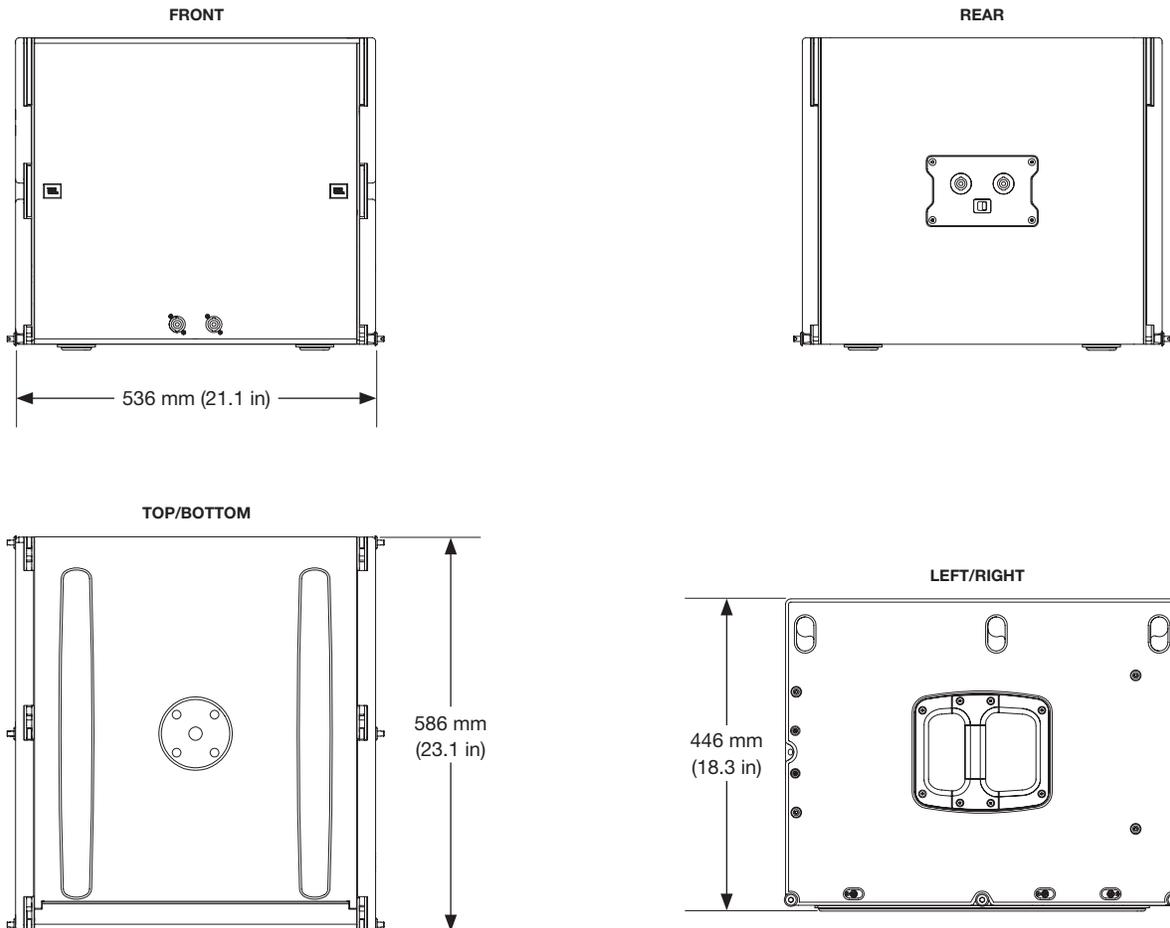
6: Front face at 0 degrees or greater down angle to allow the cabinet to drain water. Suspension components fully weather rated for indoor or covered outdoor conditions where humidity is nominally under 50% and not local to bodies of corrosive materials. Unused speakON connectors must be sealed using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

ACOUSTIC MEASUREMENTS

FREQUENCY RESPONSE



DIMENSIONS



ORDERING INFORMATION

SKU : JBL-P3251MX | VTX B15

Included : (1) VTX B15

JBL continually engages in research related to product improvement. Some materials, production methods and design refinements are introduced into existing products without notice as a routine expression of that philosophy. For this reason, any current JBL product may differ in some respect from its published description, but will always equal or exceed the original design specifications unless otherwise stated.