



HIGHLIGHTS

JBL SLIP STREAM™ LOW-FREQUENCY PORTS

Proprietary double-flared ports precisely calculated for greater low-frequency extension and reduced turbulence

JBL TRANSDUCERS

JBL 2288H 18" Differential Drive® transducer with dual voice coils and dual-gap neodymium magnet for long excursion and improved cooling

FAST RIGGING

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

FLEXIBLE CONFIGURATIONS

Cardioid arrayable based on speaker preset selection and cabinet orientation

The VTX B18 is JBL Professional's next-generation single 18" subwoofer, designed to complement VTX full-range sound reinforcement systems. The VTX B18 features JBL's new 2288H 18" woofer, engineered for improved linearity, increased sensitivity and extra-long excursion. The 2288H is based on JBL's Differential Drive, dual voice coil, dual-gap technology, which delivers better heat dissipation, lower power compression and wider dynamic range than conventional single-coil designs. The B18 incorporates JBL's patented Slip Stream™ double-flared exponential low-frequency port design to improve airflow and reduce audible turbulence, even at maximum excursion. The B18 shares the industrial design of the JBL's VTX A-Series products and has the same width and suspension hardware as the VTX A8, allowing the two products to be used together in a variety of flown or ground-stacked configurations. The VTX B18 can be deployed in omni-directional or cardioid configurations, in arrays of up to 16 enclosures.

KEY MESSAGES

TRANSDUCER DESIGN

The VTX B18 features JBL's first new 18" high-performance woofer design in a decade, engineered from the ground up to deliver transparent, linear bass response down to 28 Hz. The 18" driver leverages JBL's patented fourth-generation Differential Drive technology to deliver maximum sensitivity and power handling in a light, compact design.

VTX A8 COMPATIBILITY

The B18 rigging system is compatible with the VTX A8 rigging system, allowing B18 subwoofers to be suspended above an A8 array. The VTX B18 rigging system allows for omnidirectional or cardioid configurations in small and large-scale flown or groundstacked arrays. All VTX A8 suspension accessories are compatible and arrays of up to 16 enclosures can be created.

CONTROLLABLE COVERAGE

The VTX B18 can be used in omni-directional or cardioid configurations simply by selecting the appropriate speaker preset and cabinet orientation. Speaker connectors are available on both the front and back, streamlining cable management in either configuration. A switch on the rear input panel allows for selecting between channel 1 or 2 of the NL4 cable, minimizing cable requirements.

VTX BUILD QUALITY

The VTX B18 adopts the VTX A-Series' signature full-face grill design, which minimizes exposed components and protects the loudspeaker from extreme conditions. The enclosed grill helps the system achieve a higher Ingress Protection (IP55) rating.

TECHNICAL SPECIFICATIONS

SYSTEM

Frequency Range (-10 dB): 28 Hz - 80 Hz (Preset: VTX B18 80)

Coverage Pattern Options¹: Omni-directional or Cardioid

System Input Power Rating²: 1300W Continuous (IEC/100 hour)

Maximum Peak Output³: 135dB (Preset: VTX B18 80)

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

Required Amplifier Channels: 1-channel

Number of Cabinets per Circuit

IT-12000HD: 2 x VTX B18

IT-4x3500HD: 1 x VTX B18

System Impedance⁴: 8 ohms

TRANSDUCERS

Low Frequency : 1 x JBL 2288H, 18in diameter, dual 4in diameter voice coil, neodymium Differential Drive

ENCLOSURE

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

IP Rating⁵ : IP55 (IEC 60529)

Suspension : Captive suspension plates, quick-release pins, spring-loaded mechanism

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

Connectors

Type : Neutrik® SpeakON® NL-4 (2x at the rear and 2x at the front)

Pin Assignments : Selectable between Pins 1 ± and Pins 2 ±

Dimensions (H x W x D) : 551.68mm x 761.29mm x 736.6mm
21.72in x 29.97in x 29.0in

Net Weight : 68 kg (150 lbs)

Footnotes:

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

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

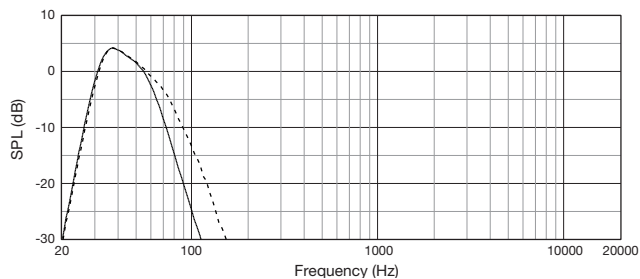
3: Peak, unweighted SPL, measured under half-space conditions at 1 meter using broadband pink noise with a 12dB crest factor and specified preset.

4: Nominal impedance within the stated frequency range of the product. Minimum impedance is 5.6Ω is 150Hz.

5: 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



— VTX B18 60 - - - VTX B18 80

DIMENSIONS

