



HIGHLIGHTS

PERFORMANCE

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

JBL TRANSDUCERS

JBL 2288H-M 18-inch 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

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

The VTX B28 is JBL Professional's next-generation dual 18-inch subwoofer, designed to complement the company's flagship VTX full-range sound reinforcement systems. The VTX B28 features two JBL 2288H-M 18-inch woofers engineered for improved linearity, efficiency, and extra-long excursion. The 2288H-M employs Differential Drive – JBL's dual voice coil, dual-gap technology – to deliver better heat dissipation, lower power compression and wider dynamic range than conventional single-coil designs. The B28 incorporates a double-flared, exponential, low frequency port design to improve airflow and reduce audible turbulence, even at high output levels.

The B28 shares the industrial design of the VTX A-Series products, and features an innovative and simple-to-use two-point rigging system. The all-captive rigging system utilizes a spring-loaded mechanism to deploy the link bars and a unique locking system that complies with all safety requirements without using traditional quick release pins. B28 subwoofers can be deployed in omnidirectional or cardioid arrays, ground stacked, or in suspended configurations of up to 16 enclosures.

KEY MESSAGES

RIGGING SYSTEM

The B28 uses a simple and innovative two-point rigging system capable of suspending arrays of up to 16 B28 enclosures. Rigging components are hidden behind the two wooden side panels, and the two link bars are deployed by a spring-loaded mechanism. A unique, all-captive locking system secures cabinets together using a set of levers and sliding pins. The mechanism includes a safety lock to prevent unintentional release, and complies with all safety requirements. When B28 cabinets are ground stacked, the all-captive design keeps unused parts hidden and damped from rattling.

CONTROLLABLE COVERAGE

The B28 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.

SYSTEM SOLUTION

The VTX Series is a comprehensive family of hardware and software products and accessories that work together to facilitate the complete event workflow, from system design to transport home. Tools support tasks every step of the way.

PERFORMANCE

The 2288H-M 18-inch woofers are engineered from the ground up to deliver transparent, linear bass response down to 25 Hz. This driver leverages JBL's patented, fourth-generation, Differential Drive technology to deliver maximum sensitivity and power handling in a light, compact design. The B28 is intended to provide, accurate very low frequency coverage adequate for the most demanding applications.

TECHNICAL SPECIFICATIONS

SYSTEM

Frequency Range (-10 dB) : 25 Hz - 80 Hz (Preset: VTX B28 80)

Coverage Pattern Options¹ : Omnidirectional or Cardioid

System Input Power Rating² : 2600W Continuous (IEC/100 hour)

Maximum Peak Output³ : 141 dB (Preset: VTX B28 80)

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

Required Amplifier Channels: (1) channel (SUB)

Number of Cabinets per Amplifier

IT-12000HD : (2) VTX B28

IT-4x3500HD⁴ : (2) VTX B28

System Impedance⁵ : 4 ohms

TRANSDUCERS

Low Frequency : (2) JBL 2288H-M, 18 in diameter, dual 4 in diameter voice coil, Neodymium Differential Drive

ENCLOSURE

Construction : 18 mm 13-ply and 12 mm 9-ply Finnish birch plywood, Black DuraFlex™ finish, four integral recessed handles

IP Rating⁶ : IP55 (IEC 60529)

Suspension : High-grade steel with anti-corrosion coating, captive suspension plates, captive pins, spring-loaded mechanism, two-step safety lock

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

Connectors

Type : Neutrik® speakON® NL4 (one at the rear and one at the front)

Pin Assignments : Pins 1 ± active | Pins 2 ± not connected

Dimensions (H x W x D) : 508 mm x 1324 mm x 750 mm
20 in x 52.1 in x 29.5 in

Net Weight : 87 kg (191.8 lbs)

Footnotes:

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

2: 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.

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

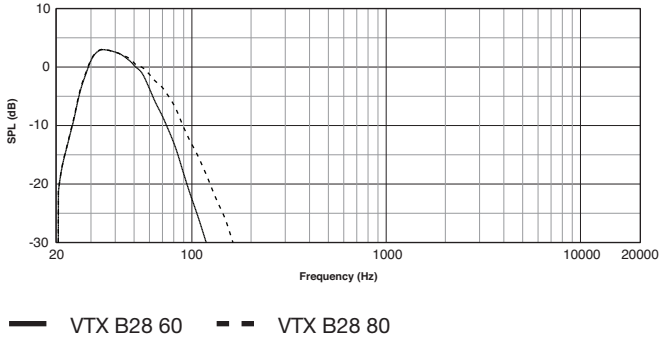
4: For more information on how to power B28 subwoofers using I-Tech 4x3500HD amplifiers refer to the VTX B28 User Manual.

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

