

# VTX S28

High Performance Dual 18" Subwoofer



## Key Features:

- 2269H Differential Drive®, Dual Neodymium Magnet, Dual Voice Coil, Direct Cooled™ dual 18" transducers
- Reverse-Cardioid Arrayable with convenient front-facing NL4 connector and OEM factory presets for cardioid operation
- Compatible with VTX V25 suspension - S28 can be suspended at the top or in the middle of V25 arrays to extend the effective low frequency line length
- BSS® Audio OmniDriveHD V5 Processing for use with Crown Audio I-TechHD or VRack and control via JBL HiQnet Performance Manager™
- Companion subwoofer for VTX V20 or VTX V25-II



## Description:

The VTX S28 is a full size, high-output, cardioid-arrayable subwoofer designed to deliver maximum acoustic output with the highest possible fidelity in a wide variety of sound reinforcement applications. Built to house two high-performance, road-proven ultra long excursion JBL 2269H 18" transducers, the VTX S28 is capable of delivering sub-low frequency reinforcement with incredible impact and precision. Integrated suspension hardware makes the VTX S28 fast to deploy in any situation, while a front-mounted NL4 connector makes suspended or ground-supported cardioid deployment quick and clean. JBL HiQnet Performance Manager™ control enables fast, accurate system configuration deployment, while BSS® Audio OmniDrive HD V5 processing provides consistent, simple integration of VTX S28 in any sound reinforcement system. The VTX S28 can be suspended or ground-stacked and is cardioid-arrayable in either configuration for improved rear rejection. Compatible with VTX V25-II suspension, S28 can be suspended at the top of V25-II arrays to extend the effective low frequency line length, providing improved vertical pattern control combined with improved rear rejection when used in cardioid mode. Alternatively, S28 arrays (cardioid or front-firing) can be suspended beside or behind V25-II arrays. For theatrical sound design, S28 can be suspended in the middle of flown V25-II arrays to facilitate balcony and floor coverage by allowing improved underbalcony penetration. Larger cardioid configurations are also effective where S28 is suspended or ground-stacked in multiple cardioid blocks, each block consisting of 3 enclosures (2 front-firing, 1 rear-firing).

## Specifications:

System		Transducers	
Frequency Range (-10 dB):	24 Hz - 400hz	Low Frequency:	2 x 2269H, 457 mm (18 in) dia., 100 mm (4 in) Dual Coil, neodymium Differential Drive®, Direct Cooled™
System Input Power Rating <sup>1</sup> :	2 x 2000 W Continuous, 2x 8000 W Peak (AES/ 2hour)	Enclosure	
Bandpass Sensitivity:	102 dB, 1W / 1m (2.0 Vrms at 3.3 ft ) half-space conditions	Construction:	18 mm, 11-ply Finnish birch plywood; black DuraFlex™ finish; integral recessed handles
Maximum Peak Output <sup>2</sup> :	144 dB SPL half-space conditions	Suspension:	Fixed angle ASM suspension system with 0-10 degree inter-enclosure angles at 1 degree increments. Reverse-cardioid arrayable.
Required Amplification & processing:	Crown® I-TechHD or VRack power amplification JBL HiQnet Performance Manager system control	Grille:	Powder coated 14 gauge hex-perforation steel with acoustically-transparent black cloth backing
System Impedance:	LF: 2 x 8 ohms	Input Connectors:	Neutrik® Speakon® NL-4 (2x) and NL-8 (2x) LF1: 1+/-, LF2: 2+/-
		Dimensions (H x W x D):	495.3 mm x 1221.7 mm x 922.0 mm (19.5 in x 48.1 in x 36.3 in)
		Net Weight:	83.0 kg (183 lbs)

## Footnotes:

1: AES Standard, one decade pink noise with 6 dB crest factor within device's operational band, free air.  
2: Calculated maximum SPL based on rated peak power and measured sensitivity

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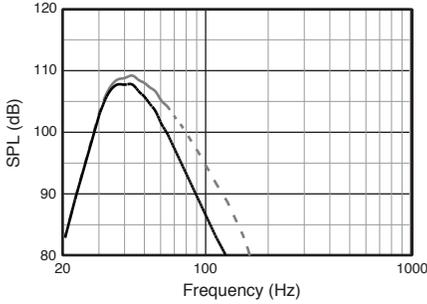
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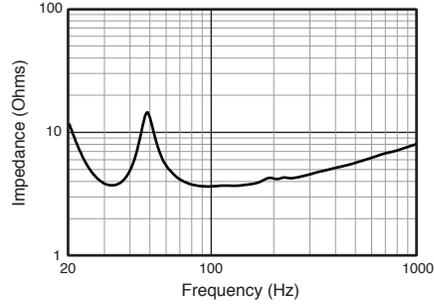


## Acoustical Measurements

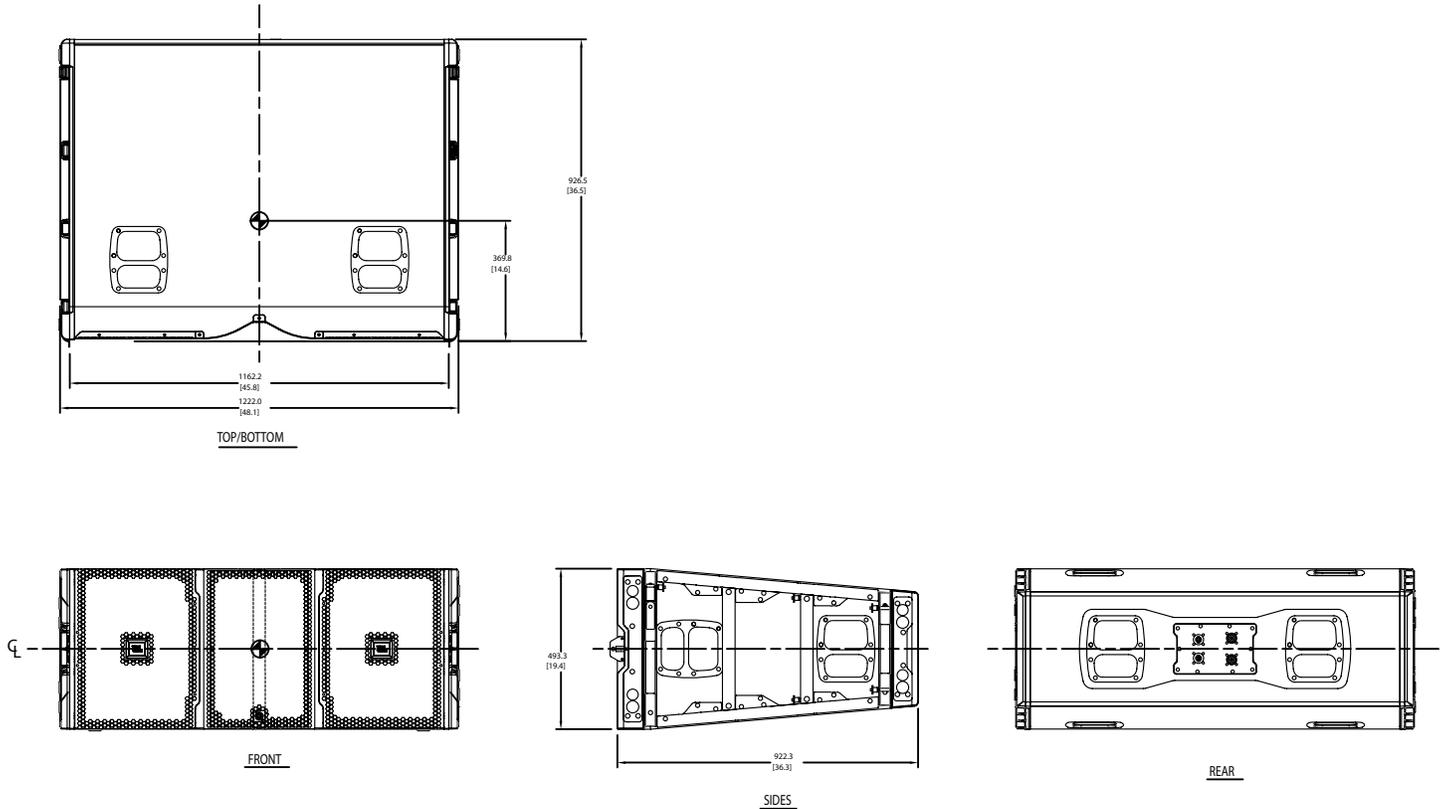
Frequency Response with Recommended Digital Signal Processing  
 VTX S28 presets (60 Hz solid, 80 Hz dashed)



## System Impedance



## Dimensions



## Accessories

- VTX-S28-ACC: Protective cover and transport dolly for 1 x VTX S28
- VTX-S28-VTC: Vertical transporter for three VTX S28 in front facing or cardioid mode
- VTX-S28-VT-CVR: Cover for three VTX S28 when transported vertically with VTX-S28-VTC
- VTX-S28-VT-CVRW: Wrap-style cover for three VTX S28 when transported vertically with VTX-S28-VTC and V25-AF on top
- VTX-V25-AF: Array frame for suspending flown arrays of VTX S28 loudspeakers
- VTX-V25-AF-EB: Extension bar for attachment to VTX-V25-AF