



# VERTEC<sup>®</sup> Series

## SUBCOMPACT MODELS

**V T 4 8 8 6**

Passive 3-Way Line Array Element

**V T 4 8 8 3**

Companion Cardioid-Arrayable Subwoofer



# SUBcompact SYSTEM

Smallest system enclosures in the VERTEC® product family, the **VT4886** *Passive 3-Way High Directivity Line Array Element* and its companion **VT4883** *Cardioid-Arrayable Subwoofer* provide a very high degree of output and predictable coverage capabilities in an extremely compact package. Incorporating innovative acoustical technologies and purpose-built transducers, they are specifically designed for system-level integration with other existing VERTEC models. These Subcompact models are suitable for use in a broad range of suspended-array, ground-based and fill speaker applications.

## VT4886

*3-Way Line Array Element*



### LOW-FREQUENCY

A pair of 2166H 6.5" long-throw low frequency component transducers, each fitted with dual neodymium magnets and dual voice coils, establishes a robust low frequency foundation for the VT4886. In this driver, JBL's patented Differential Drive® technology is precisely applied to realize a very compact, high performance component transducer.

### MIDRANGE

Each VT4886 includes a total of four 2103G 2.5" midrange loudspeakers. These powerful, compact transducers are energized with neodymium magnets, and are combined with the high frequency drivers in the integrated mid/high waveguide assembly.

### H.F. DRIVER

The VT4886 includes a pair of 2414H 1"-exit high frequency drivers, equipped with a neodymium magnet and Teonex® domed diaphragm for the reliable reproduction of very high frequencies with precise, detailed fidelity.



# CARDIOID-ARRAYABLE SUBWOOFER

The VT4883 can be readily integrated into arrays of full-range VT4886 line array elements. Featuring a unique vented-bandpass enclosure topology, it is equipped with suspension fittings and an auxiliary front-panel input connector to enable reverse-arrayable implementation with multiple units in gradient cardioid subwoofer configurations.

## VT4883

*Cardioid-Arrayable Subwoofer*



## SUBWOOFER MOTOR

The VT4883 subwoofer is equipped with rigid internal bracing to support the high-performance capabilities of a pair of 2263H-1 12" long-excursion low frequency components. JBL's patented Differential Drive® technology is represented in the 2263H-1 with dual neodymium magnets and dual voice coils.



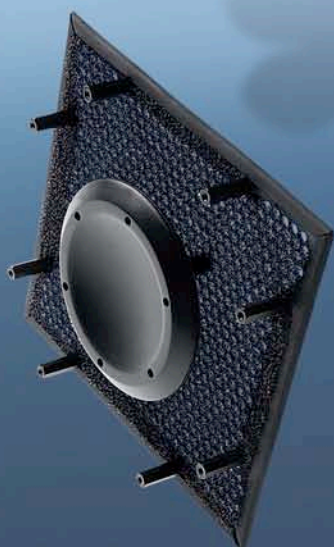
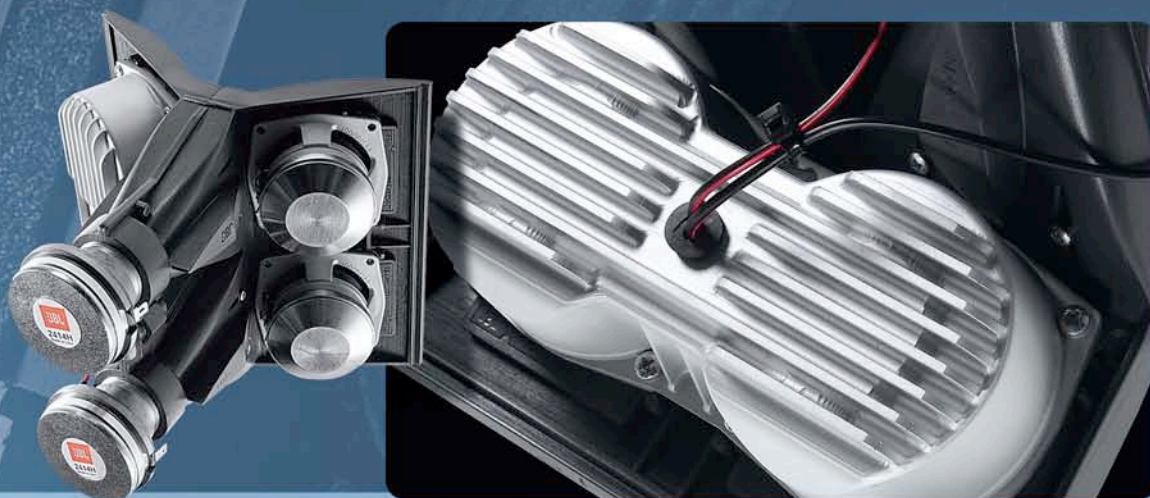
## SUSPENSION HARDWARE

Integral fixtures including premium heat-treated alloys create rigid, reliable hanging arrays and enable the quick, secure assembly of variable-curvature vertical or modular, constant-curvature horizontal line arrays. Inter-box hinge-bar coupling is achieved with stainless-steel quick release pins, secured with coated lanyards. The overall mechanical design follows JBL's patented, road-proven pattern established with larger compact, midsize and fullsize models in the VERTEC family.



# NEW ACOUSTICAL TECHNOLOGIES

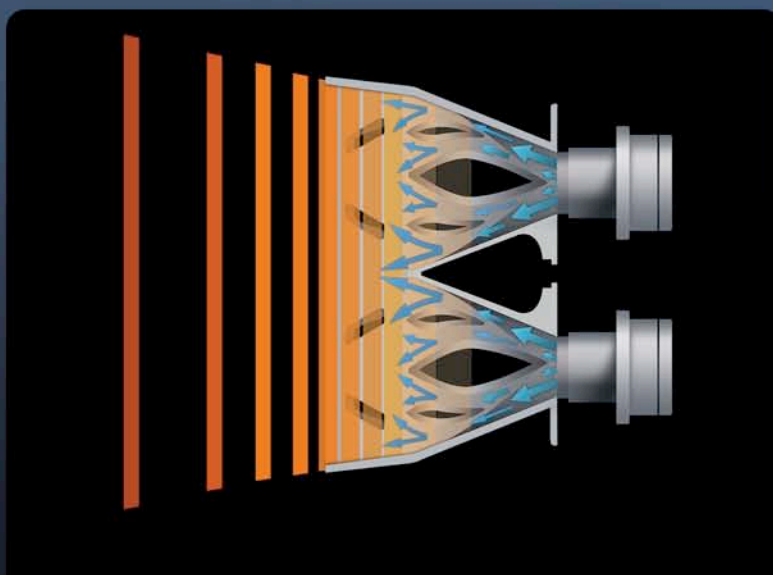
These subcompact VERTEC models incorporate some of the latest electro-acoustical technologies developed by JBL Professional. The VT4886's highly refined multi-band passive network is designed to minimize insertion loss and lower distortion while ensuring precise impedance matching to the low, midrange and high-frequency component sets. In addition to being a suitable complement for other loudspeaker systems in the VERTEC family, the VT4886 and VT4883 companion subwoofer are designed to work well together both acoustically and mechanically.



**A TRUE THREE-WAY DESIGN** unique to the subcompact line array category, the VT4886 includes ten separate voice coils. With a high component density in a small enclosure, the VT4886's midrange transducers are paired in thermo-coupled back-cover heatsink structures for improved thermal transference. A proprietary mid / high frequency waveguide assembly seamlessly integrates MF and HF section output in a next-generation implementation of JBL's patented R.B.I. (Radiation Boundary Integrator®) technology, providing precise wavefront control and allowing for proper inter-box vertical coupling from 0 to 15 degrees. Twin 2414H high frequency drivers are mounted on this precision dual-aperture assembly which includes geometric path-length compensation to ensure optimal twin-driver exit summation.

## DIFFRACTION ABSORBER

Each 2166H low frequency transducer is matched to a low frequency diffraction absorber with a tuned resonance-chamber cavity. Secured to the metal grille, this unique proprietary technology adds a further performance refinement to the overall acoustical design of the VT4886 line array element, ensuring optimal performance even at extremely high output levels.







# VARIETY

# OF SYSTEM CONFIGURATIONS



The VERTEC subcompact system has been specifically designed to be one of the most versatile tools in a portable sound rental company's inventory. Application flexibility also ensures that VT4886/VT4883 will provide an effective sound design tool for performance-audio facility system designers.

VT4886 line-array elements can be suspended or ground-stacked, either standalone or with its companion VT4883 low frequency extension for FOH, offstage fill, center cluster or delay cluster use.

Mixed VT4883/VT4886 arrays can be suspended and supplemented with additional ground-stacked VERTEC subwoofers (VT4881A, VT4882, VT4880, VT4880A) for extended-range FOH use.

The VT4886 is ideal for distributed front fill or under-balcony use. U-bracket and pole mount fixtures also enable 1-4 VT4886 enclosures to be used with a tripod stand, or an extension rod in coordination with VT4883 subwoofers.

## STANDARD MODELS

## DESCRIPTION

## SPECIFICATIONS

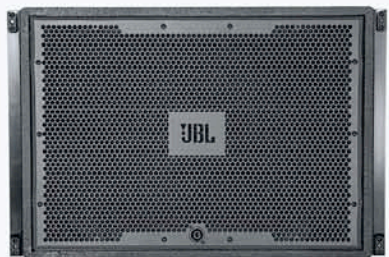
VT4886



System Type:  
 Components:  
 Horizontal Coverage (-6 dB):  
 Frequency Range (-10 dB):  
 Frequency Response ( $\pm 3$  dB):  
 Sensitivity (1W/1m):  
 Nominal Impedance:  
 Continuous Power Rating:  
 Maximum SPL:  
 Dimensions (H x W x D):  
 Weight:

**Subcompact Passive 3-Way Line Array Element**  
 2 x 2166H-1 Dual Coil 6.5" LF, 4 x 2103G 2.5" MF, 2 x 2414H HF  
 110 degrees nominal (250 Hz – 16 kHz)  
 65 Hz - 20 kHz  
 75 Hz - 18 kHz  
 101 dB  
 12 ohms (drivers wired in series-parallel, passive network)  
 900 W  
 136 dB, 1m  
 197 mm x 579 mm x 261 mm (7.8" x 22.8" x 10.3")  
 15.4 kg (34 lb)

VT4883



System Type:  
 Components:  
 Frequency Range (-10 dB):  
 Frequency Response ( $\pm 3$  dB):  
 Sensitivity (1W/1m):  
 Nominal Impedance:  
 Continuous Power Rating:  
 Maximum SPL:  
 Dimensions (H x W x D):  
 Weight:

**Subcompact Cardioid-Arrayable Subwoofer**  
 2 x 2263H-1 Dual Coil 12" LF  
 35 Hz - 300 Hz  
 40 Hz - 300 Hz  
 95 dB  
 2 x 8 ohms  
 2000 W  
 139 dB SPL (1m, half-space)  
 133 dB SPL (1m, free-space)  
 398 mm x 579 mm x 643 mm (15.7" x 22.8" x 25.3")  
 29.5 kg (65 lb)

## ACCESSORIES

## DESCRIPTION

**VT4886-AF** Array frame for suspension of VT4883, VT4886, or mixed VT4883/VT4886 arrays. Can also be used for ground stacking.

**VT4886-SF** Short Array Frame for suspending multiple VT4886 enclosures; ideal for pull-back at bottom of larger arrays.

**VT4886-DF88** Downfill Adapter Frame for suspending up to eight VT4886's under midsize VerTec arrays.

**VT4886-DF89** Downfill Adapter Frame for suspending up to eight VT4886's under fullsize VerTec arrays.

**VT4886-UB** Universal Bracket for mounting 3-4 VT4886 enclosures, supplied with bolt-on pole mount adapter. Pair of extender plates enables extreme tilt angles. Includes points useful for under-balcony attachment.

**VT4886-UB1** Basic Universal Bracket for mounting 1-3 VT4886 enclosures, supplied with bolt-on pole mount adapter. Includes points useful for under-balcony attachment. Ideal stacking platform for distributed front-fill stage lip applications.

**VT4886-HB** Horizontal Bracket for arraying up to six VT4886's as a constant-curvature (fixed angle) horizontal line array. Multiple shackle attachment points for variable tilt angle of the array. Includes pole mount bracket.

**SS5-BK** Adjustable extension rod with M20 thread fitting for attachment to VT4883 Subwoofer, hand-crank height adjustment and patented locking collar system for secure, vibration-free attachment of optional VT4886-UB or VT4886-HB and up to 4x VT4886.

**JBL-VERTEC-SYS1** Rugged Transport Case to hold 2xVT4883 or 1xVT4883 + 3xVT4886, or 6xVT4886 or two sets of four linked VT4886. Includes secondary, linking 3-box dollies for pre-suspension assembly of VT4886 arrays. Third party accessory, contact [www.jblbags.com](http://www.jblbags.com)