
JBL
PROFESSIONAL
VERTEC®
Series
SUBCOMPACT MODELS
VT4886
Passive 3-Way Line Array Element
VT4883
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

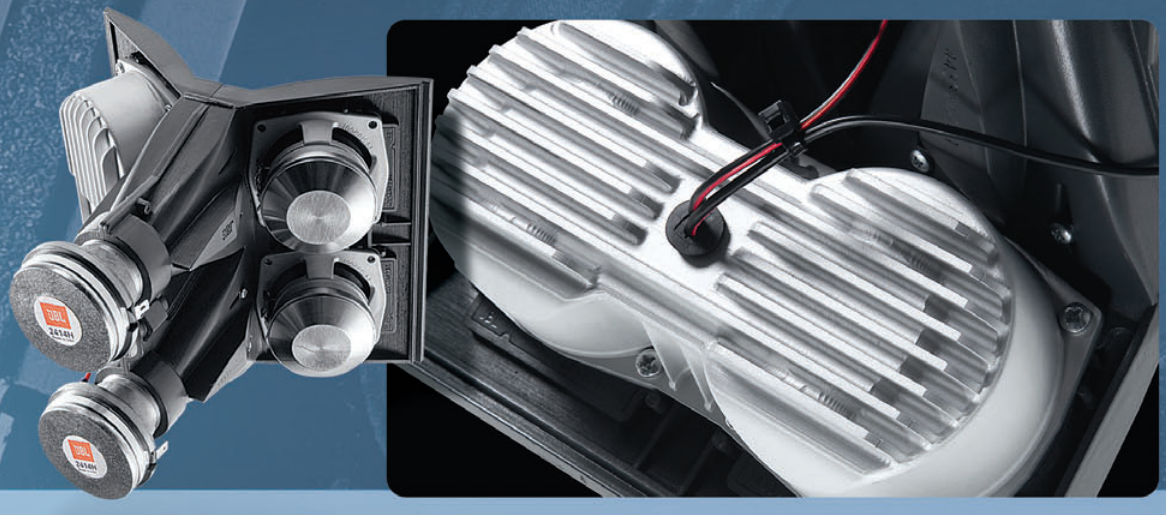
Each VT4886 includes a total of four 2103G 2.5" midrange loudspeakers. These powerful, compact transducers are energized with neodymium magnets, and are combined with the high frequency drivers in the integrated mid/high waveguide assembly.

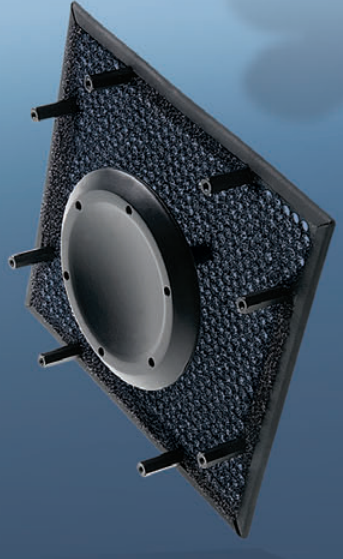
H.F. DRIVER

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.

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.



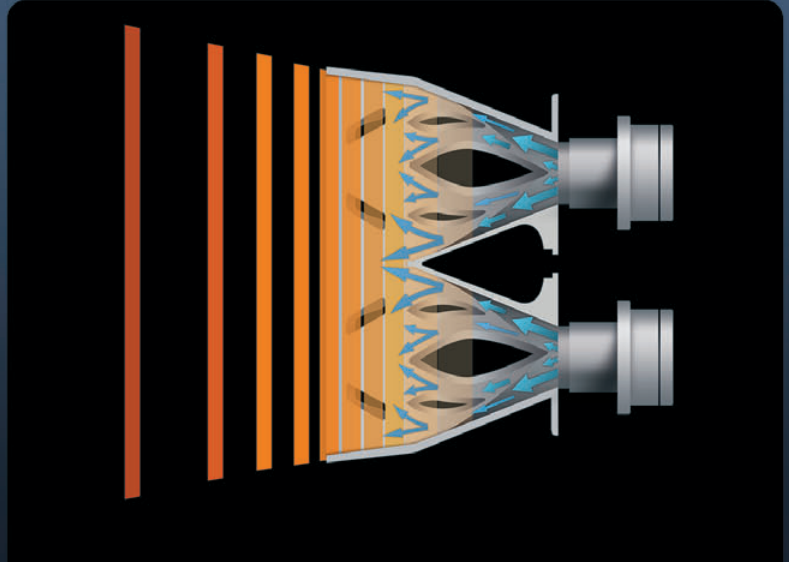


A TRUE THREE-WAY DESIGN

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

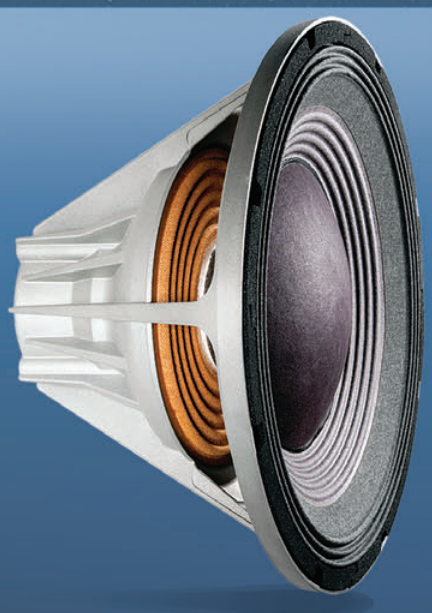
Each 2166H low frequency transducer is matched to a low frequency diffraction absorber with a tuned resonation-chamber cavity. Secured to the metal grille, this unique proprietary technology adds a further performance refinement to the overall acoustical design of the VT4886 line array element, ensuring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



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.

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 3-4 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:	**Subcompact Passive 3-Way Line Array Element**
		Components:	2 x 2166H Dual Coil 6.5" LF, 4 x 2103G 2.5" MF, 2 x 2414H HF
		Horizontal Coverage (-6 dB):	110 degrees nominal (250 Hz – 16 kHz)
		Frequency Range (–10 dB):	70 Hz - 20 kHz
		Frequency Response (± 3 dB):	75 Hz - 18 kHz
		Sensitivity (1W/1m):	102 dB
		Nominal Impedance:	8 ohms
		Continuous Power Rating:	750 W
		Maximum SPL:	131 dB continuous, 137 dB peak
		Dimensions (W x H x D):	577 mm x 197 mm x 260 mm (22.7" x 7.75" x 10.25")
		Weight:	15.9 kg (35 lb)
VT4883		System Type:	**Subcompact Cardioid-Arrayable Subwoofer**
		Components:	2 x 2263H-1 Dual Coil 12" LF
		Frequency Range (–10 dB):	35 Hz - 600 Hz
		Frequency Response (± 3 dB):	40 Hz - 600 Hz
		Sensitivity (1W/1m):	95 dB
		Nominal Impedance:	2 x 8 ohms or 4 ohms (user-selectable)
		Continuous Power Rating:	1600 W
		Maximum SPL:	127 dB continuous, 133 dB peak (freefield) 133 dB continuous, 139 dB peak (halfspace)
		Dimensions (W x H x D):	577 mm x 397 mm x 641 mm (22.72" x 15.62" x 25.24")
		Weight:	30.8 kg (68 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-AB	Adapter bar for attachment of multiple VT4886-AF array frames.
VT4886-DF88	Downfill Adapter for suspending VT4886 under VT4888.
VT4886-DF89	Downfill Adapter for suspending VT4886 under VT4889.
VT4886-UB	Under-balcony adapter plate, supplied with bolt-on pole mount adapter. Also used as a stacking platform for distributed front-fill applications. Can also be used at the bottom of suspended arrays for rear pull-back suspension.
VT4886-UB2	Basic 2-point U-Bracket adapter for VT4886.
VT4886-HB	Horizontal bracket for arraying VT4886 enclosures as a constant curvature horizontal line array.
SS4-BK2	Adjustable extension rod with M20 thread for attachment to VT4883 Subwoofer, hand-crank height adjustment and patented expanding mandrel system for secure, vibration-free attachment of optional VT4886-UB accessory and up to 4x VT4886.
VT4883-FC	Flight case for transport of 2x VT4883 or 1x VT4883 and 3x VT4886.
VT4886-FC	Flight case for transport of 8x VT4886.