

VERTEC® Series

Application:

The VT4882 Dual 15" Subwoofer Line Array Element is designed to deliver high quality sound reinforcement of sub-low frequencies for live music and a variety of applications. Typical uses include concert audio and multi-media presentations of all types. Ideal companion to VT4888 midsize three-way system.

Key Features:

- ▶ Advanced Technology Components: Differential Drive® Neodymium Magnet, Dual Voice Coil, Direct Cooled™ cone transducers
- ▶ Advanced Construction Techniques with PlyMax™ provide exceptionally rigid, lightweight enclosure
- ▶ Rugged DuraFlex™ exterior finish; Weatherized components
- ▶ Integrated Suspension System, premium aluminum fixtures provide rigid, reliable hanging arrays designed for vertical orientation at various angles

The above features come together in a line array element with true subwoofer performance advantages. It offers benefits for both portable system users and fixed-venue installations. The VT4882 combines time-tested acoustical physics with JBL's innovative transducer research and design capabilities in a premium-grade system package.

The VT4882 is a rugged, lightweight centrally vented enclosure housing two long-extension 15" woofers. These advanced components, each fitted with dual voice coils, provide high output capabilities with an advantageous power-to-weight ratio.

The enclosure features: foam-back perforated steel grille; speaker cones treated with weather-resistant compounds; rigging tubes and hinge bars made from premium-grade alloy aluminum; cadmium-plated hinge pins; stainless steel quick-release pin restraining lanyards; and protective end-caps which safeguard the suspension hardware while allowing vertical stacking of multiple interlocking units.

The VT4882 rigging hardware (same as in the companion midsize VT4888 full-range system) relies on quick-release pins and end-mounted metal frames to couple adjacent units together in rigid but flexible arrays. The enclosures can also be stacked vertically using the integral end-mounted pads. Made of nylon-filled glass fiber, these pads are highly scuff resistant. They are keyed for aligning the end surfaces and preventing slippage.

Subwoofer Line Arrays:

The VT4882 can be oriented vertically in suspended arrays or it can be ground-stacked in horizontal arrays.

The low-frequency capabilities of the multi-enclosure VT4882 array will be deter-



mined by the total number of units coupled together.

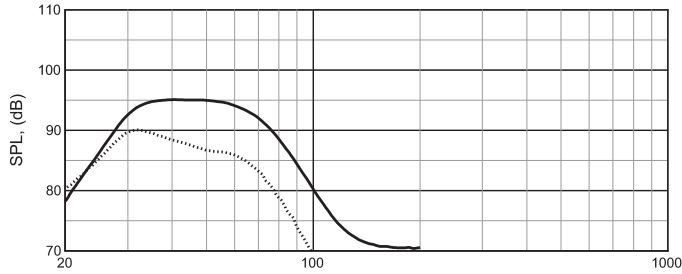
The more VT4882 subwoofer elements that are used in an array, the greater will be the directivity at low frequencies, enabling better pattern control. Medium to large arrays can generate extreme amounts of sub-low frequency energy due to line array summation. (For more information refer to JBL Technical Note Vol. 1, No. 27).

Specifications:

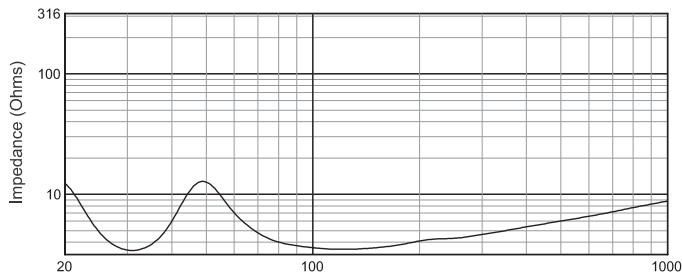
Frequency Response:	32 Hz – 110 Hz (±3 dB)
Frequency Range:	28 Hz – 120 Hz (-10 dB)
Maximum Peak Output:	137 dB, 1m
Recommended Bandpass:	30 Hz – 80 Hz
Input Power Rating:	4800 W Peak (1200-2400 W recommended amplifier power)
Recommended Signal Processing:	dbx Drive Rack, BSS FDS-366, Crown I-Tech and other supported platforms
Transducers	
Low Frequency:	Two 2266H, 381 mm (15 in) dia., 76 mm (3 in) Dual Coil, Differential Drive®, Direct Cooled
Nominal Impedance:	8 Ohms each transducer
Sensitivity:	95 dB, 1 W, @ 1 m (35-120 Hz)
Enclosure	
Box Construction:	Wedge frustrum 5 degree side angle enclosure. PlyMax™ engineered composite structure. DuraFlex™ finish
Suspension System:	Rigid hardware, integral hinge bars nest in rigging tubes on box ends. Quick release pins with restraining lanyards. When used in arrays made exclusively of VT4882's, up to 24 enclosures may be suspended with a greater than 7:1 Design Factor. Suspend with VT4888-AF Array Frame. <i>Set of 4 hinge bars (VT4888-RIG) included with VT4882 system.</i>
Grille:	Black perforated steel, Foam backed
Input Connectors:	NL8 and NL4, 2 each. Wired in parallel, speakers individually circuited.
Dimensions (H x W x D):	457 mm x 1013 mm x 858 mm (18 in x 39.9 in x 33.8 in)
Net Weight:	52 kg (114.6 lb)
Shipping Weight:	60.6 kg (133.6 lb)
VT4882-ACC (Available Accessory Kit)	
Contents:	(1) Dolly with heavy duty castors and (1) Rugged Soft Cover Padded Bag. Order Separately. Ships Separately.
Dimensions (H x W X D):	165.5 mm x 1105 mm x 546 mm (6.5 in x 43.5 in x 21.5 in)
Shipping Weight:	18.1 kg (40 lb)

JBL continually engages in research related to product improvement. Some materials, production methods and design refinements are introduced into existing products without notice as a routine expression of that philosophy. For this reason, any current JBL product may differ in some respect from its published description, but will always equal or exceed the original design specifications unless otherwise stated.

▶ VT4882 Dual 15" Subwoofer Line Array Element



Frequency Response (solid line) of a single VT4882 with Recommended Signal Processing (dashed line)



VT4882 Impedance



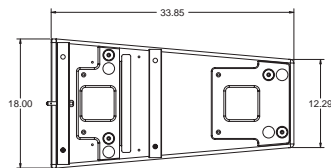
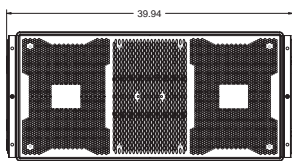
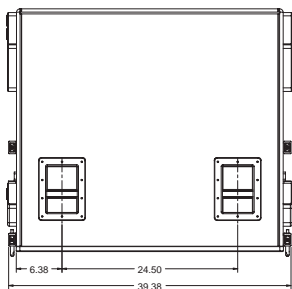
VT4882 enclosures can be suspended vertically in hung arrays, or ground-stacked in horizontal arrays (4-element array, suspended application with VT4888-AF array frame).



VT4882-ACC

The VT4882 Accessory Kit includes items necessary for the proper transport and protection of the VT4882. This accessory kit includes: (1) VT4882-DOLLY and (1) VT4882-COVER.

Important note: the VT4882-ACC is sold as a separate item. One VT4882-ACC kit should be ordered with each VT4882 system to ensure safe and reliable transport of each system in portable use. The VT4882-ACC does not include hinge-bars for box inter-connection; these are integral to, and ship with, the VT4882 system enclosure. The VT4882 uses either the VT4888-AF or VT4888-SF for array suspension.



System Dimensions (HxWxD):

457 mm x 1013 mm x 858 mm including attached suspension hardware



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