Named after the VERtical arrays in which these systems are used, our VERA line array solutions are transforming sound reinforcement on a large scale. The VERA10 series is based on the VERA10 top, a compact line array element just 50 cm (19.7 in) wide, but scalable up to an array length of 18 elements.

With just two tops, a VERA10 core system can be created that delivers high-quality sound reproduction in a compact format.

The starting point for the development of VERA10 was the idea of providing our customers with a flexible system that can be expanded with additional components and accessories to meet their specific needs. Whether flown or stacked, everything from gala events and road shows to open-air or rock concerts can be served with an investment in VERA10.

A perfect match for the VERA10 array is the VERA S18 subwoofer, easy to integrate into VERA10 arrays thanks to its matching width and rigging. Its dimensions, configurations and performance are identical to those of the B18 from the B Series.

The VERA10 top is equipped with a 10“ MF driver and two 1“ HF outputs with a 1.75“ diaphragm. Our compression chamber phase plug is positioned in front of the 10“ driver, while VERA10‘s optimized waveguide is coupled to the HF drivers. It all adds up to impressive sonic depth with accurate highs at a vertical dispersion angle of 10 degrees. The horizontal dispersion angle is 80 or, if desired, 120 degrees by simply replacing the horn.

Key Features

- Compact line array element with only 16 kg [35 lbs] weight
- Equipped with 1× 10“ long excursion chassis and 2× 1“ output with 1.75“ diaphragm
- 80° and 120° option available, MHF horn exchangeable
- integrated 4-point rigging with eleven available angles from 0° to -10°
- Coherent phase response with all TW AUDiO subwoofers
- Operation with dedicated TW AUDiO presets on Lab.gruppen, Powersoft or Dynacord TGX and IPX amplifiers

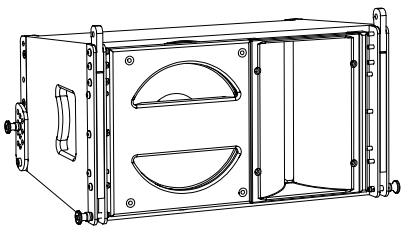
Applications

- Galas, events and shows
- Churches, houses of worship, religious places
- Theatres and cultural places
- Bars and restaurants
- Arenas and sports venues
- Concerts and touring

VERA10

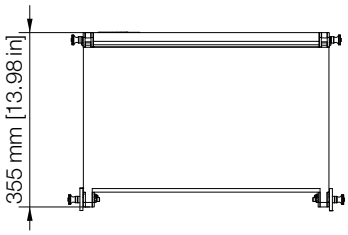
DATASHEET

Technical Data

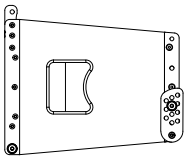


Drivers	1× 10“ LF | 2× 1“ HF with 1.75“ diaphragm
Frequency range	60 - 16000 Hz
Power capacity program / peak	VERA10A: 500 / 1000 W LF / 200 / 400 W HF | VERA10P: bi-amp: 500 / 1000 W LF / 200 / 400 W HF | Passiv: 600 / 1200 W
Impedance	VERA10A: 16 Ω LF / 16 Ω HF | VERA10P: bi-amp: 16 Ω LF / 16 Ω HF | Passiv: 12 Ω
Coverage (h × v)	80° × 10° oder 120° × 10°, changeable
Sensitivity 1 W / 1 m	103 dB (bi-amp LF) / 111 dB (bi-amp HF)
SPL max / 1 m	133 dB
Connection	speakON® NL4 2± LF | NL4 1± HF
Dimensions (H × W × D)	275 × 500 × 355 mm | 10.83 × 19.69 × 13.98 in
Weight	VERA10A: 16 kg / 35.3 lbs | VERA10P: 18 kg / 39.7 lbs
Finish	Polyurea-Beschichtet (Optional: Warnex RAL Farben)
Accessories	siehe twaudio.com

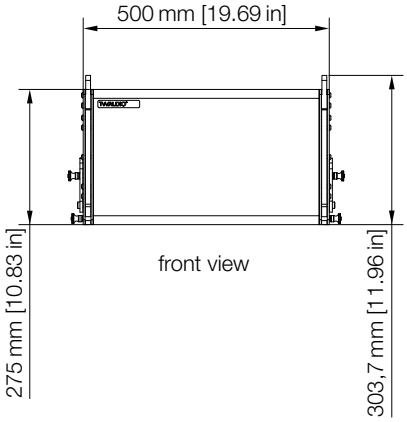
Technical Drawing



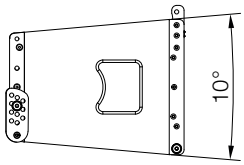
bottom view



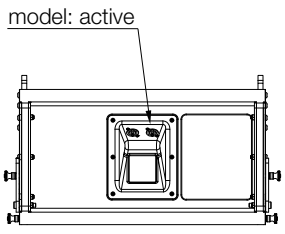
right view



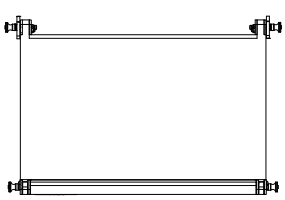
front view



left view



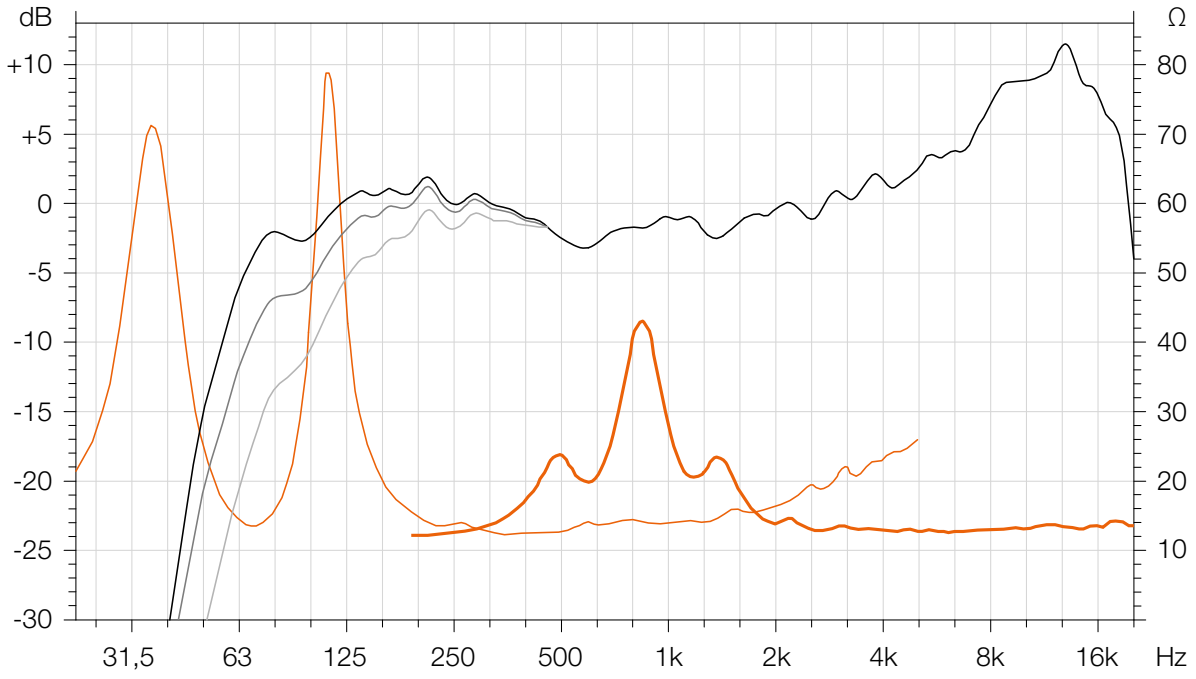
rear view



top view

Frequency Response VERA10A

FR or FULL mode | FLAT | CUT | IMPEDANZ **MF or HF** / LF or full range



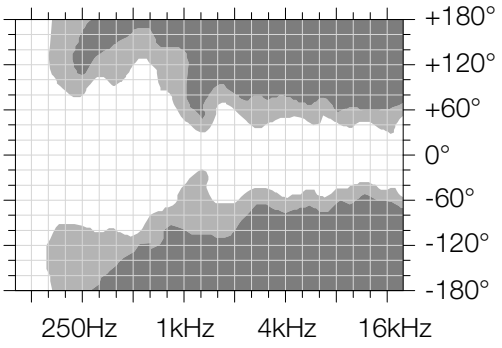
Radiation Pattern

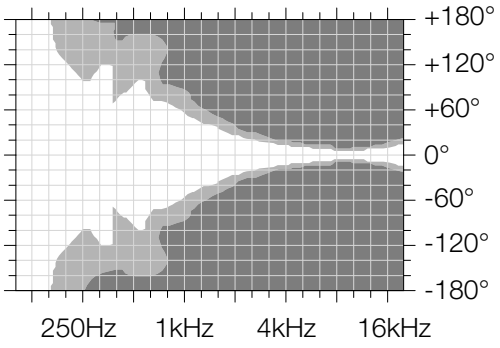
-6 dB | -12 dB

horizontal

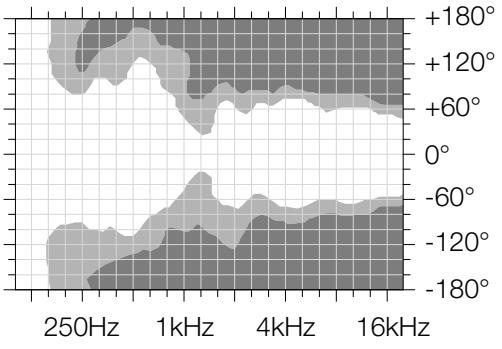
vertical

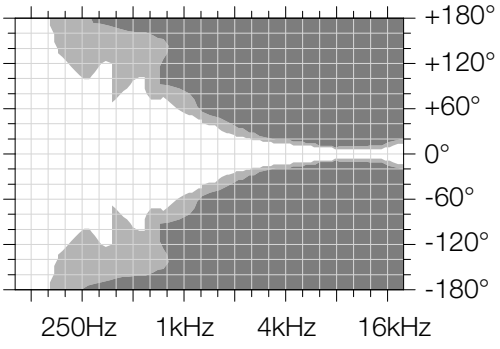
80° x 10°





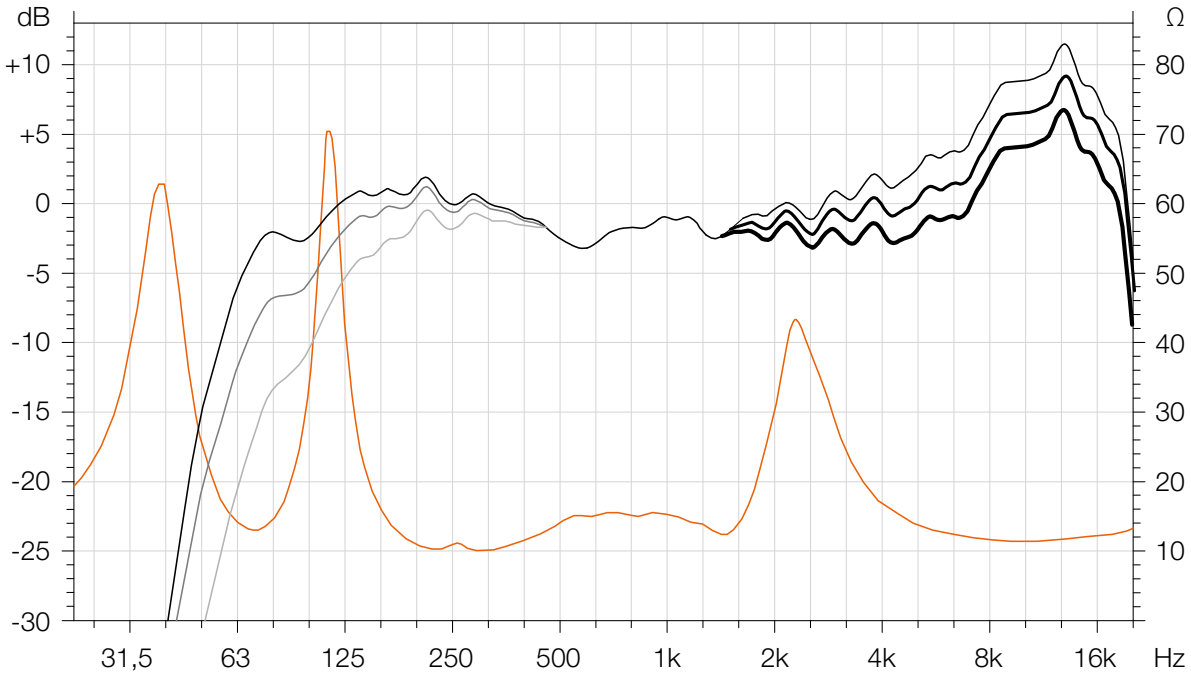
120° x 10°





Frequency Response VERA10P

FR or FULL mode | FLAT | CUT | -3 dB | **-6 dB** | IMPEDANZ

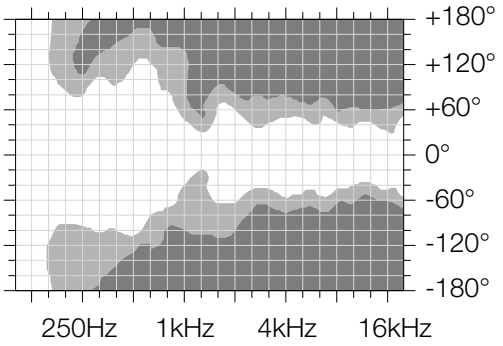


Radiation Pattern

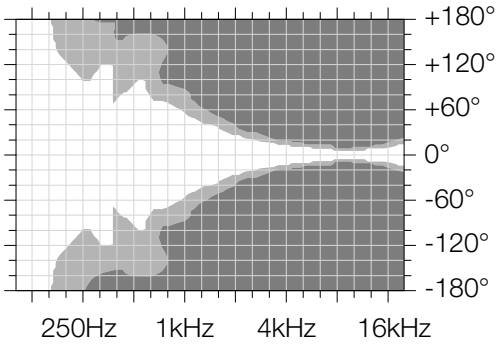
-6 dB | -12 dB

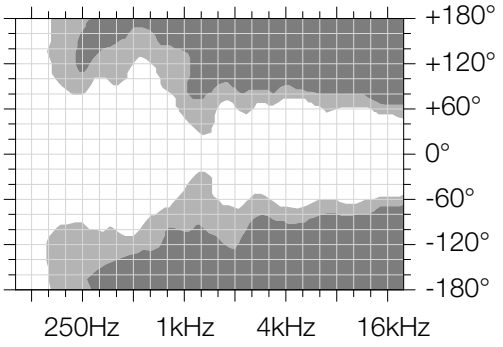
horizontal

vertical

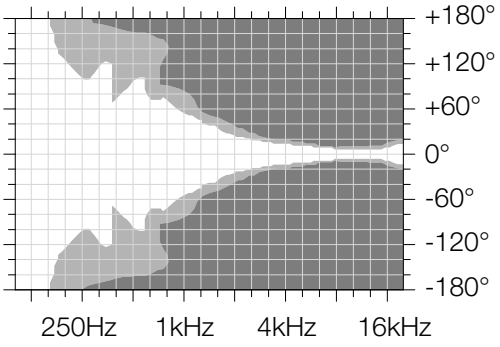


80° x 10°





120° x 10°



Architect Specifications

The loudspeaker shall consist of a line source enclosure with up to 10° vertical splay angle per element driven and protected by a dedicated powered amplified controller. The loudspeaker shall be available in an active and passive variant.

The enclosure shall feature one 10“ long excursion neodymium LF cone drivers with two 1“ throat compression driver neodymium with 1.75“ diaphragm. The loudspeaker shall have a exchangeable HF horn 80° × 10° or 120° × 10° horizontal dispersion.

The usable system bandwidth shall be 60 Hz to 16000 Hz.

Maximum peak SPL shall be 133 dB. The long-term handling capacity shall be at VERA10A: 200/400 W HF / 500/1000 W LF / and at VERA10P: Biamp-Mode: 200/400 W HF / 500/1000 W LF / Passi 600/1200 W. The nominal impedance of the l ker shall be at VERA10A: 16 Ohm HF / 16 Oh at VERA10P: Biamp-Mode: 16 Ohm HF / 16 Ohm LF / Passiv-Mode: 12 Ohm

The enclosure cabinet construction shall consist of first grade birch plywood. The front of the enclosure shall be protected by a perforated, powder-coated steel with flame retardant, hydrophobic and acoustically transparent black 3D mesh fabric. The dimensions shall be 500 mm (19.69 in) in width, 275 mm (10.83 in) in height and 355 mm (13.98 in) in depth and the enclosure weight shall be at VERA10A: 16 kg (35.3 lbs) and at VERA10P: 18 kg (39.7 lbs).

The enclosure shall feature a innovative four-point-rigging for mounting accessories. The enclosure shall feature two integrated handles. The enclosure shall be connected via two parallel 4-pole speakON® sockets.

The loudspeaker shall be the TW AUDiO VERA10.

References
The response curves of the system are available upon request – support@twaudio.com

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MADE IN GERMANY

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