



With VERA50, TWAUDIØ expands its portfolio into the field of largescale sound reinforcement above VERA36.

The compact 4-way top unit is equipped with two 12" low-frequency drivers, four 6.5" mid-frequency drivers with short horn loading, and two twin-coaxial high-frequency units. Each HF unit combines a 3.5" and a 1.75" voice coil in a coaxial configuration, ensuring high transient accuracy, transparency, and long throw. This design provides consistent coverage across the entire frequency spectrum at distances exceeding 70m.

Optimized driver impedances allow up to four top elements to be operated from a single Powersoft X4 or Dynacord TGX10 amplifier.

Despite its complex configuration, one VERA50 element weighs only 62.9kg at a width of 119cm. The space-saving 4-point rigging system allows, in combination with the VERARF1400 rigging frame, safe deployment of up to 21 elements (depending on array curvature).

Versions are available with 80° or 120° horizontal dispersion, each with 8° vertical coverage

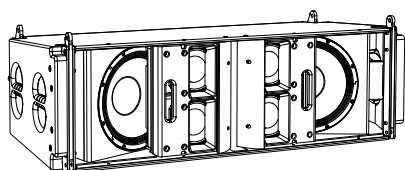
## Key Features

- » 4-way line array element for large-scale sound reinforcement
- » Configuration: 2× 12" LF, 4× 6.5" MF, 2× twin-coaxial HF units (3.5" + 1.75")
- » Logarithmic splay angles for precise energy distribution across the audience area
- » 80° or 120° horizontal dispersion by exchangeable HF-horn flare
- » Operation: up to 4 elements on a single Powersoft X4 or Dynacord TGX10
- » Compatible flyable cardioid radiating subwoofer VERAS54 available
- » Coherent phase response with all TWAUDIØ subwoofers
- » Operation with dedicated TWAUDIØ presets on Lab.gruppen, Powersoft or Dynacord TGX and IPX amplifiers

## Applications

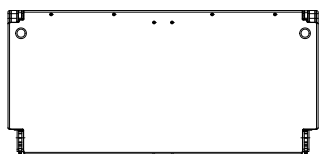
- » Concerts and touring
- » Theatres and cultural places
- » Arenas and sports venues

## Technical Data

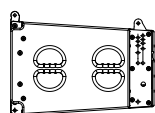


Drivers	2x 12" LF / 4x 6.5" MF, 2x twin-coaxial-HF-units (3.5" + 1.75")
Frequency range	47 - 20000Hz
Power capacity program/peak	2x 1400/2x 2800W LF   520/1040W MF   300/600W HF
Impedance	16Ω LF   16Ω MF   16Ω HF
Coverage (h x v)	80° x 8° or 120° x 8°
Sensitivity 1W/1m	100 dB LF   114 dB MF   116 dB HF
SPLmax / 1m	148 dB
Connection	speakON® NL8 1± LF   2± LF   3± MF   4± HF
Dimensions (H x W x D)	362 x 1190 x 550 mm   14.25 x 46.85 x 21.65 in
Weight	62.9 kg   138.67 lbs
Finish	Polyurea-coated
Accessories	see twaudio.com

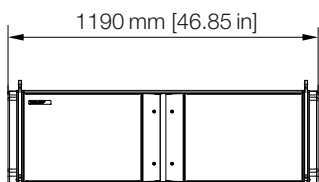
## Technical Drawing



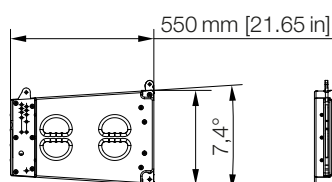
bottom view



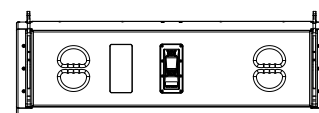
right view



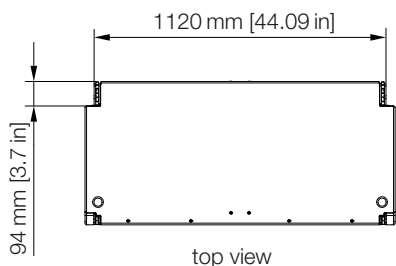
front view



left view



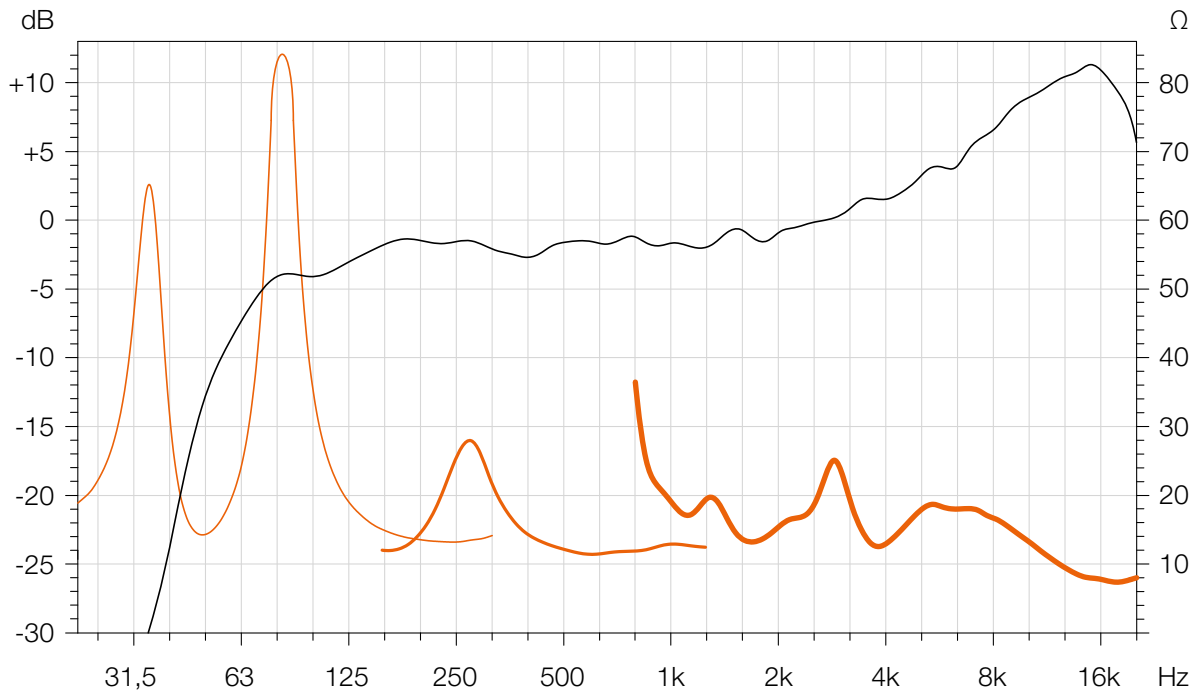
rear view



top view

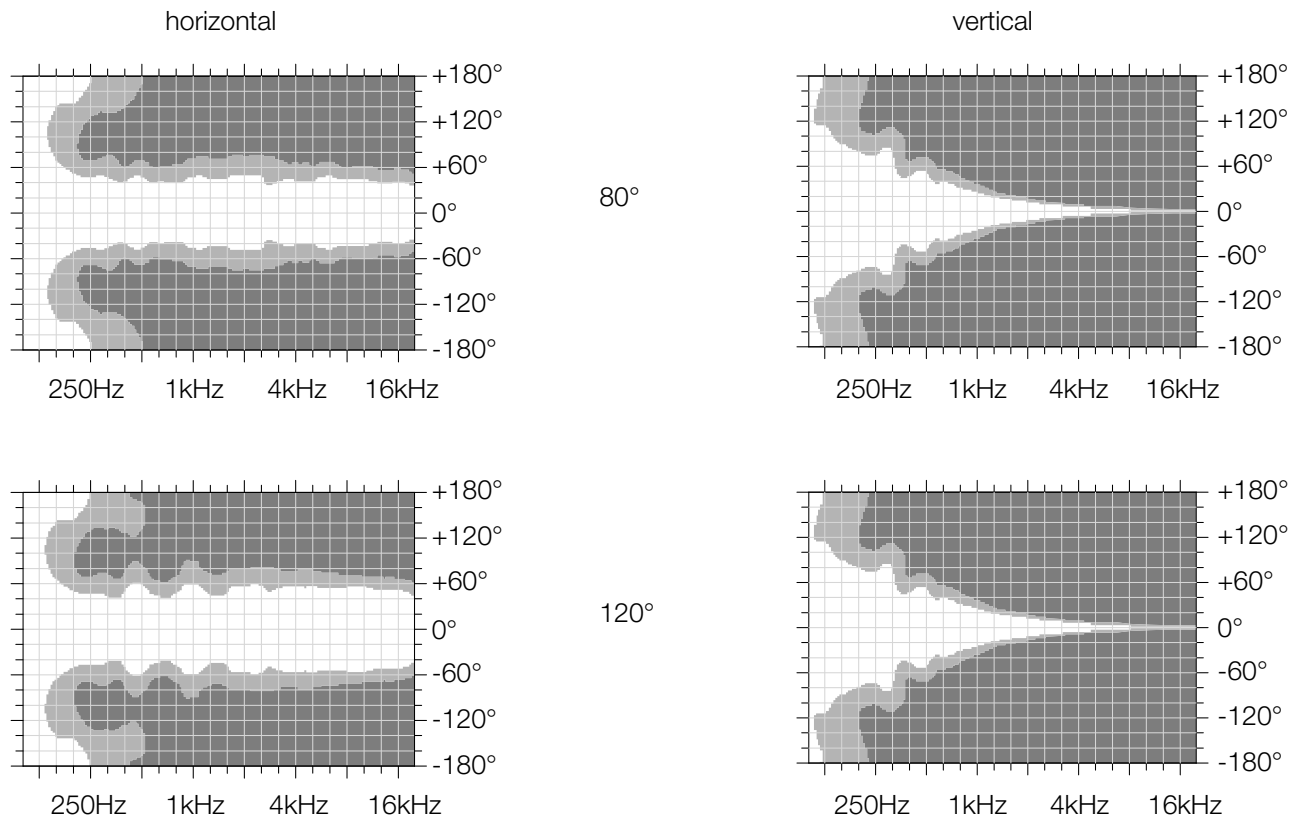
## Frequency Response

FLAT mode | IMPEDANCE LF / MF / HF



## Radiation Pattern

-6 dB | -12 dB



## Architect Specifications

The loudspeaker shall consist of a symmetrically constructed line source enclosure with up to 8° vertical splay angle per element driven and protected by a dedicated powered amplified controller. The loudspeaker shall have a compact and lightweight enclosure design in respect to acoustical output. The loudspeaker shall have a innovative rigging hardware for fast and cost efficient setup and dismantle. The loudspeaker shall be compatible to VERAS54 subwoofer.

The enclosure shall feature two 12" long excursion neodymium LF cone drivers and four 6.5" long excursion neodymium MF cone drivers. The loudspeaker shall have a exchangeable high frequency unit with waveformer, horn 80° x 8° or 120° x 8° horizontal dispersion and two twin-coaxial HF units (3.5" + 1.75").

The usable system bandwidth shall be 47Hz to 20000Hz.

Maximum peak SPL shall be 148dB. The long-term handling capacity shall be 300W program and 600W peak HF, 520W program and 1040W peak MF, 2x 1400W program and 2x 2800W peak LF. The nominal impedance of the loudspeaker shall be 16Ω HF, MF and LF.

The enclosure cabinet construction shall consist of first grade birch plywood. The front of the enclosure shall be protected by two perforated, powder-coated steel with flame retardant, hydrophobic and acoustically transparent black 3D mesh fabric. The dimensions shall be 1190mm (46.85 in) in width, 362mm (14.25 in) in height and 550mm (21.65 in) in depth and the enclosure weight shall be 62.9kg (108.67 lbs).

The enclosure shall feature a innovative four-point-rigging for mounting accessories. The enclosure shall feature six integrated handles. The enclosure shall be connected via two parallel 8-pole speakON® sockets.

The loudspeaker shall be the TWAUDIO VERA50.

### References

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

### Manufacturer:

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