The VERA S54 is a passive subwoofer system with three 18“ drivers, arranged as two forward-facing and one rearfacing unit, integrated into a cabinet less than 120 cm wide.

The frequency response extends down to 35 Hz and delivers defined, controlled low frequency reproduction. The design provides significant rear attenuation and allows both cardioid and hypercardioid radiation patterns, depending on the setup and alignment.

The enclosure can be flown or stacked and is designed for seamless integration with the VERA50 line array system, making it suitable for large-scale sound reinforcement applications.

Key Features

- Compact 3× 18“ subwoofer in cardioid configuration
- Driver setup: 2× 18“ front-facing, 1× 18“ rear-facing
- Cabinet width < 120 cm for efficient truck loading
- Frequency response down to 35 Hz
- VERA50 tops mount directly on the subwoofer, no frame required
- Seamless integration with the VERA50 system for large-scale reinforcement
- Coherent phase response with all TW AUDiO loudspeakers
- Operation with dedicated TW AUDiO presets on Lab.gruppen, Powersoft or Dynacord TGX and IPX amplifiers

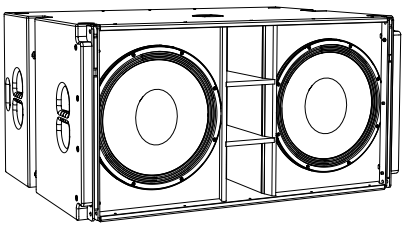
Applications

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

VERA S54

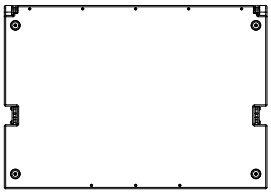
DATASHEET

Technical Data

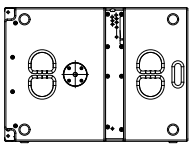


Drivers	2× 18“ LF front | 1× 18“ LF rear
Frequency range	35 - 85 Hz
Power capacity program / peak	4800 / 9600 W front | 2400 / 4800 W rear
Impedance	4 Ω front | 8 Ω rear
Coverage (h × v)	cardioid / hypercardioid
Sensitivity 1 W / 1 m	102 dB
SPL max / 1 m	140 dB
Connection	speakON® NL4 2± front | 1± rear
Dimensions (H × W × D)	612 × 1190 × 830 mm | 24.09 × 46.85 × 32.68 in
Weight	103 kg | 227.08 lbs
Finish	Polyurea-coated
Accessories	see twaudio.com

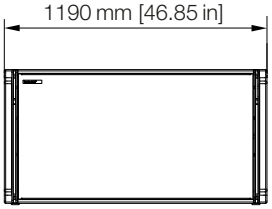
Technical Drawing



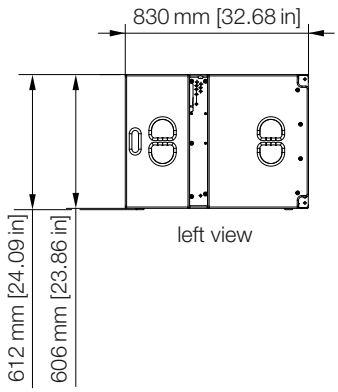
bottom view



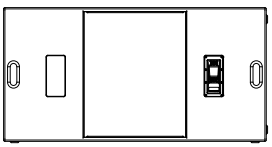
right view



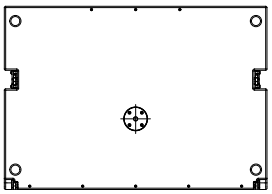
front view



left view



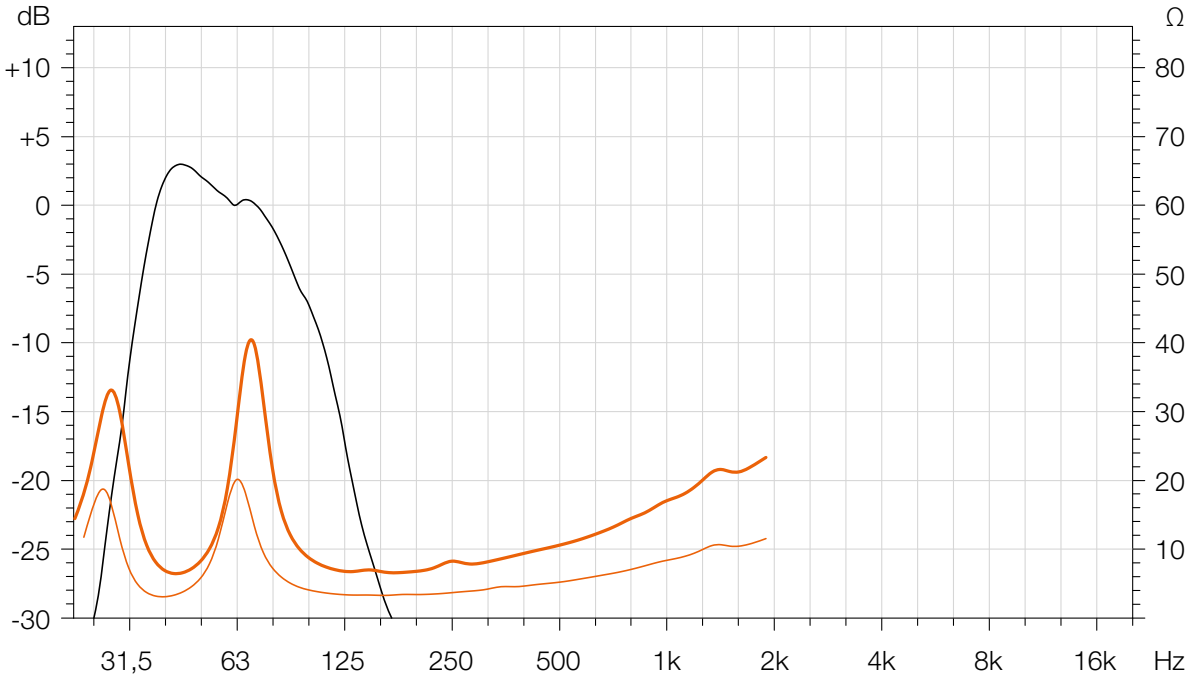
rear view



top view

Frequency Response

85 Hz mode | IMPEDANCE front / **rear**



Architect Specifications

The loudspeaker shall consist of a two seperated bass-reflex chamber enclosure driven and protected by a dedicated powered amplified controller. The loudspeaker shall be a biamped dual-channel subwoofer with directional radiation patterns depending on preset used.

The enclosure shall feature two 18“ long excursion neodymium LF transducer at the front and one 18“ long excursion neodymium LF transducer at the rear for cardioid and endfire mode from one enclosure.

The usable system bandwidth shall be 35 Hz to 85 Hz.

Maximum peak SPL shall be 140 dB. The long-term handling capacity shall be 4800 W program and 9600 W peak at the front and 2400 W program and 4800 W peak at the rear. The nominal impedance of the loudspeaker shall be 4 Ω at the front and 8 Ω at the rear.

The enclosure cabinet construction shall consist of first grade birch plywood. The front and the rear 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 1190 mm (46.85 in) in width, 600 mm (23.62 in) in height and 846 mm (33.31 in) in depth and the enclosure weight shall be 103 kg (227.08 lbs).

The enclosure shall feature six integrated handles and four stacking rubber feet. The enclosure shall be connected via two parallel 4-pole speakON® sockets.

The loudspeaker shall be the TW AUDiO VERA S54.

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

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