

VLA210HP

High Performance
Line Array Loudspeaker

VALaudio

Die Liebe zur Musik



The VLA210HP is a high performance Line Array Speaker which is designed for High SPL main PA applications for both Touring and Fixed installation. Flying an array of VLA210HP is extremely easy due to the integrated Aluminum rigging system with easy locking push-pins and integrated angling hardware. Our unique waveguide and internal passive crossover designed for ultra smooth response, all achieving a flat, linear frequency response. Using our own in-house designed and built drivers give depth and clarity which is unrivaled whilst VAL Audio's renowned build quality makes this cabinet an easy choice.

The discreet and compact design with classy metal grille in front with foam behind the grille offer the drivers protection from dust and rain. The Rugged touring grade birch plywood cabinet with textured paint finish and integrated Aluminum rigging hardware achieves a high class look suitable for any application.

Designed with VAL audio 2x10" proprietary high excursion LF drivers and large 3" (75mm) compression driver with 1.5" exit, offering combined power handling of 800W RMS, the internal passive crossover ensures a linear, usable frequency response of 50 Hz to 20 kHz (-6 dB) across a 90°H x 15°V (single cabinet) dispersion with our unique waveguide, allowing full range without subwoofer usage. A maximum SPL of 135 dB (peak) is achieved and the internal crossover allows easy operation on a single amplifier channel.

Flying options include flying upto 16 cabinets with our unique array frame.

The rear cast aluminum connection plate has two 4 pin speakON® connectors fitted as standard, one input and one link. The speakon connectors are wired on pins +1-1, with pass through of pins +2-2.

KEY FEATURES

- Real 800W RMS Power Capacity
- For Touring and Fixed install applications
- Up to 16 speakers per line with 10 time safety standards
- Premium custom made European drivers
- Dual 10" LF drivers for extended low frequency response without subwoofer
- Large 3" (75mm) HF Titanium diaphragm with 1.5" exit for ultra smooth HF reproduction
- Integrated Aluminum rigging system with stainless steel push-pins
- Rugged birch plywood cabinet with integrated heavy duty carry handles on both sides
- Touring grade textured black paint finish

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TECHNICAL SPECIFICATIONS

Design

Dual 10" Tuned Line Array Cabinet

Impedance

8 Ohm

Power Handling (AES)

800 Watts (continuous)

Max. Power Handling (AES)

1600 Watts (program)

3200 Watts (peak)

Sensitivity 1W / 1m

100 dB

Max. SPL

129 dB cont

135 dB peak

Usable Frequency Range (-3 dB)

50 Hz - 20 kHz

Dispersion

90°H x 15°V per cabinet (Total vertical directivity depends on the array setup)

SYSTEM OPERATION

Recommended Amplification

800 - 1600 Watts

System Controller

VAL DSP

Speaker Cables

Min - 2 x 2.5 mm²

Preferred - 2 x 4 mm²

PRODUCT FEATURES

Components

2 x 10" (2.5" VC) LF Driver

1 x 3" (75mm) Diaphragm, 1.5" Exit

Compression Driver on Waveguide

All Ferrite Drivers

Crossover

Internal passive

Connectors

2 x Speakon NL4MP (1+1- input, 2+/- thru)

Dimensions (H x W x D mm)

295 x 743 x 447

Weight (kg)

27

Shipping Weight (kg)

30.5 (1 cabinet per carton)

Colour

Black

Rigging

Integrated Rigging

HARDWARE

Fitted as Standard

Integrated Aluminum Rigging system with stainless steel push-pins and coupling bars

Additional Descriptive Data

Rugged Birch plywood construction, with durable touring grade scratch resistant black textured paint finish, kick-proof steel grill and black internal foam with VAL audio logo.