V12

The **V12** is a lightweight , flexible and multipurpose loudspeaker enclosure, designed for use in mobile or fixed sound reinforcement, either as a main PA or as a stage monitor.

The design includes a powerful 3" voice coil 12" speaker CAD tuned into a vented box, and a 1.4" exit compression driver coupled to a rotatable asymmetric horn to provide a smooth and clear high frequency reproduction.

Flying hardware provision, handles and a recessed floor stand socket are included as standard.

The enclosure has been made with the latest techniques ensuring a perfect and rigid construction.

Weatherized finish is provided, as the cabinet is coated with rugged Durawound texture finish and protected with specially treated grills.

The system can be passive (**V12**), or self-powered with remote PC control (**V12 PCC**).

V12 PCC is self-powered with two way amplification and is controlled with a DSP built inside, (**PCC Original** or **PCC Advanced Series**), with ten fully parametric eqs, delay, crossover points, compressors, gain controls, 30 band eq, phase response alignment circuitry, etc.

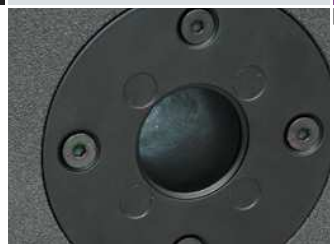
With the mouse of a small laptop, the sound engineer can vary, in real time, any of the parameters on each of the speakers. After starting **TECNARE** software, the system will identify the speakers connected to the net, showing them in the network window of the program. It is only necessary to choose the speaker to be managed, and six different windows will be available for the sound engineer to control everything.

The program allows the storage of as many presets as desired, which can be loaded at any time, four of them without using the software, by only clicking on the rear panel.

Through this technique of operating, sound systems become much more flexible. A lot of patching is avoided reducing rack controls drastically. At the same time, equalization, crossovering, limiting, delay etc of each box no longer have to be the same, without the hieroglyphic needed to do that in a conventional way with a complex installation.

The system incorporates as standard a very powerful audio analyzer. The sound engineer can check the system's response, in spectrum or transfer mode, while modifying any of the various audio controls available on the system. It also incorporates a set-up screen, with an audio generator, markers for a delay measurement, and vu-meters.

Impulse response, phase response and polar plot analysis are also available.



V12 ENGINEERING SPECIFICATIONS

Frequency Response: 48 Hz – 17 kHz ±4dB, measured on axys.

Nominal Dispersion: 55 to 100°H x 60°V@-6db points. Rotatable horn allows swap of horizontal and vertical pattern.

Impedance: 8 Ohm.

Sensitivity: 100 dB (1w/1m).

Calculated Max Spl: 128 dB continuous/ 134 Peak.

Power Handling:
#520 W nominal. *1040 W continuous.

Dimensions (HxWxD): 645x390x392 mm.

Net Weight: 29 kg selfpowered PCC version.

Components: 1x12" LF driver, 1x1.4" HF driver on a rotatable exponential horn.

Construction:
16mm birch plywood. Finished in black semi-matt textured Durawound weatherized coating. One recessed carrying handle.

Grille:
Powder coated perforated steel with acoustically transparent reticulated foam.

 # 2 hours test made with continuous pink. noise signal (6 dB crest factor).
** Power calculated on rated minimum impedance.*
** Power on Continuous Program is defined as 3 dB greater than the nominal rating.*

V12
DATASHEET

V Series

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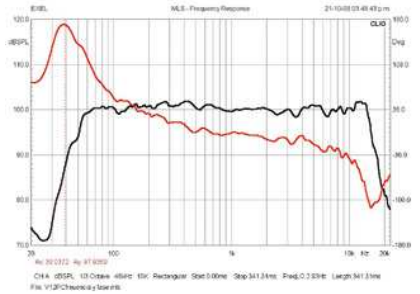
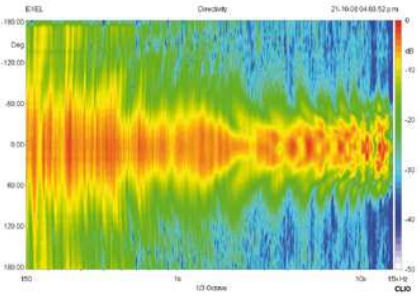
FREQUENCY **RESPONSE** & MINIMUM **PHASE**



HORIZONTAL COVERAGE



Reinventing The Rules

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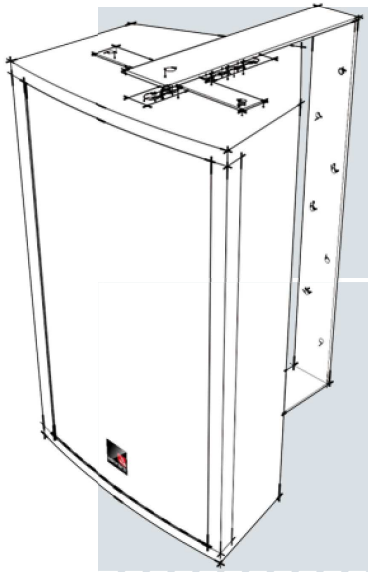
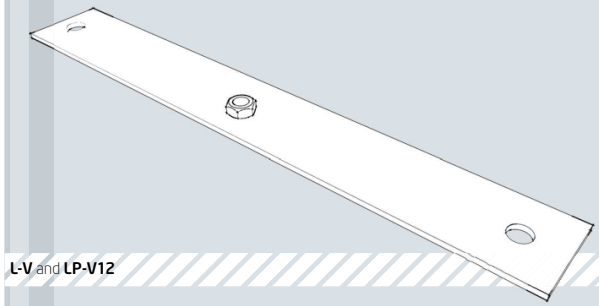
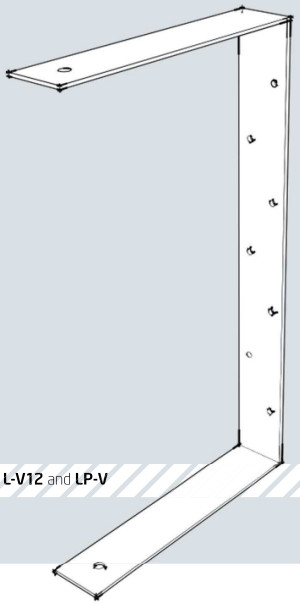
Accessories V12



LP-V and **L-V** in V12



L-V and **LP-V12**



L-V12 and **LP-V**