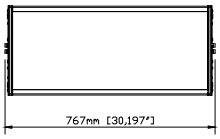
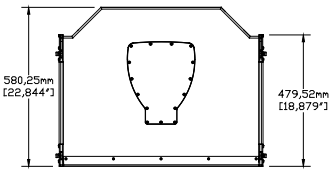
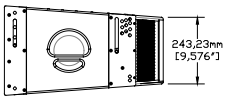
CLa21Plus: Compact Curvilinear Array Loudspeaker







MAIN APPLICATIONS

- Theaters, arenas, Stadiums
- Dance clubs
- Medium size festivals
- Coorporative events and churches
- Fill and integration with LA208

MAIN FEATURES

- Compact three-way, bi-amp cabinet
- 2 x 10"LF lightweight neodymium motors
- 1 x 1.4" coaxial mid-high compression Driver
- Easy propietary rigging systems
- 8Ω LF and16Ω MF/HF Nominal Impedance

DESCRIPTION

The Tecnare CLa21Plus is the first of a new family of line source modules which incorporates a new unique technology that seamlessly integrates MF and HF components into a single horn which produces a coherent wavefront without interruptions.

At the heart of the CLa21Plus line source module is a new coaxial 4-in voice coil mid-frequency and 2.5-in voice coil high-frequency driver, and covering the 400Hz to 20kHz range. It is loaded to a waveguide and a proprietary horn that ensures low distortion and controlled broadband directivity.

With extended frequency response down to 55 Hz, the CLa21Plus LF section houses two 10-in dipolar mounted, high-excursion drive units, 3-in voice coils to maintain long throw projection of low frequencies.

The cabinet construction has been made using premium Baltic birch and tour-ready, weather-resistant polyurea coating offering excellent protection and durability.

The intuitive property four-point rigging system enhances ease-of-uses which allows angle selection to be made while boxes are stacked on the transport dolly.

The CLa21Plus provides a superior performance to live & installed sound market at an affordable and very easy-to-work with package.

Frequency Response	55 Hz - 20 kHz*
Frequency Response: Free Field	60 Hz/80** - 18 kHz ±3 dB
Sensitivitivity (1W/1m)	110 dBspl
Calculated SPL	141 dBspl continuous / 147 dBspl peak
Transducers: Low/High Frequency	2 x 10" LF cone drivers + 1 x 1.4" exit, coax 4" VC MF & 2.5 mm VC HF driver on waveguide device.
Dispersions (HxV)	75° x 13º (Only one box. Vertical varies with array lenght and configuration)
Recommended Amplifier	PA3000/PA5000/T20-44/T10-44/T20-48/T10-48
Power (AES)***	1000 W LF / 180 W MF-HF
Power (Cont)	2000 W LF / 360 W MF-HF
Rate Impedance	8 Ω LF - 16 Ω MF/HF
Input Connectors	IN: 1xNL4 SpeakON® LINK: 1 x NL4 SpeakON®
NET Weight	39,5 kg *(87.08 lbs)*
Dimensions	767 x 580 x 320mm *(30.2" x 22.84" x 12.60")*(WxDxH)
Construction	16mm birch plywood. Finished in black semi-matt textured Polyurea weatherized coating.
Protective Grille	Powder coated perforated steel with acoustically transparent reticulated foam

*Recommended maximum operating frequency range. Response depends on loading conditions and room acoustics.
**Standard/CUT mode
***Based on a 2 hours test applying 6dB crest factor pink noise signal within the range Fs-10Fs (AES2-1984).

tecnare sound systems

Is ™ a Designed and manufactured in Spain by

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