

Description

The CORE212A is a three-way full-range linear array that uses linear array technology and planar waveguide technology to achieve the best dynamic results. The CORE212A loudspeaker enclosure is based on a 3-way active design and perfectly combines the high-efficiency advantage of the horn with low-frequency extensibility.

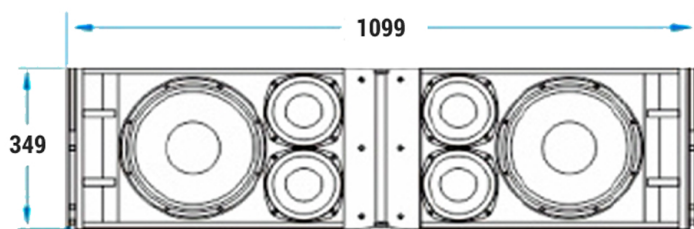
It features two 12" low frequency, four 6.5" mid-frequency, and two 2" neodymium transducers. The CORE212A enclosure operates over the nominal frequency range of 35 Hz to 19 kHz. Its LF resources can be reinforced with a dedicated low-frequency loudspeaker to form a seamless four-way system.

The CORE212A is driven and quad-amplified by a POWERSOFT® DIGIMOD 3004 four-channel Class D amplifier and specifically designed to connect in parallel with a corresponding CORE212P passive full-range array module.

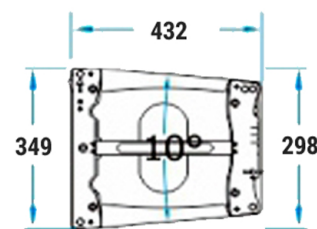


Features

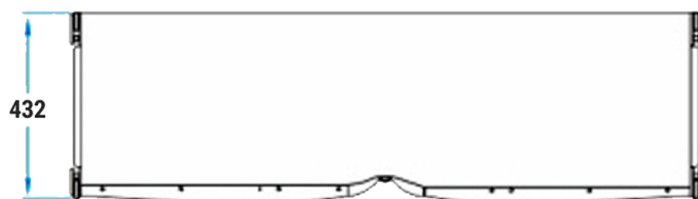
- 9000 Watt Peak power - 4500 Watt RMS
- 142 dB max SPL
- 35Hz-19kHz frequency response
- 2 x 12" Neodymium LF Woofers (3" VC)
- 4 x 6.5" Neodymium MF Woofers (2" VC)
- 2 x 1.4" Neodymium HF Drivers (3" VC)
- DSP controlled Input section with selectable presets
- Remote monitoring and control
- Tour grade safe and solid variable mechanics
- Solid Birchwood enclosure structurally wooden reinforced



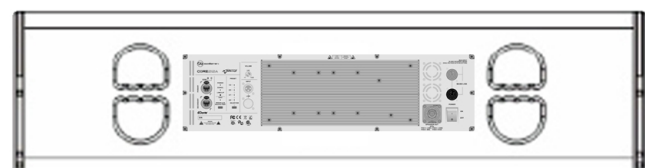
Front View



Side View



Top View



Rear View

Acoustic Specifications	Frequency Response: Max SPL @ 1m: Horizontal Coverage Angle: Vertical Coverage Angle:	35Hz-19kHz 142dB 100° 8°
Transducers	High Frequency: Mid Frequency: Low Frequency:	2 x 12", 3" VC, Neodymium, Front Loaded 4 x 6.5", 2" VC, Neodymium, Front Loaded 2 x 1.4", 3" VC Neodymium, Front Loaded
Input / Output Section	Input Signal: Input Connectors: Output Connectors:	Balanced / Unbalanced XLR, RJ45 Ethercon (DANTE and NUCLEUS FIR) XLR, RJ45 Ethercon (DANTE and NUCLEUS FIR)
Power Section	Total Power: High Frequency Power: Mid Frequency Power: Low Frequency Power: Cooling: Connection: Power Supply: Power Requirement: Operating Voltage:	4500W RMS, 9000W Peak 500W RMS, 1000W Peak 1000W RMS, 2000W Peak 3000W RMS, 6000W Peak External Heatsink and Fan Vent Cooling Powercon IN/OUT, NL8 parallel OUT (to CORE212P) Universal, SMPS with PFC (Power Factor Correction) Universal, regulated switch mode with PFC (Power Factor Correction) 90V - 264V
Processor Section	Crossover Frequencies: DSP Processing: Presets: Protections: Controls:	400Hz-1.1kHz 32 BIT / 24 BIT 96kHz 8 Thermal, Short-circuit / Overload, non-audio signals, High Frequency Volume, Preset Selector, Transducer Diagnostics Test, NUCLEUS FIR (Networking, Loudspeaker Management), DANTE
Compliance	CE: FCC: UL: PFC: SA: RoHS: CB:	Yes Yes Yes Yes Yes Yes Yes
Physical Specifications	Cabinet Material: Paint: Hardware: Handles: Grille:	Birch Plywood Black Waterproof Coarse Paint Integrated Mechanics and Magnetic Pins 2 side, 2 rear Steel with breathable acoustic sponge
Dimensions	Width: Depth: Height: Weight:	43.25" / 1099 mm 17" / 432 mm 13.75" (11.75") / 349mm (298mm) 144 lbs / 65 kgs

