

COHESION 218

CP-218 Self-Powered High Output Subwoofer



The Cohesion Series CP-218™ self-powered sub bass loudspeaker represents the latest in a new generation of Clair ultra high output subwoofers. The highest power subwoofer currently available, the CP-218 contains an integrated 9,000W amplifier driving two neodymium 18" extremely high power drivers with 80mm excursion capability. The combination of amplifier, transducers, and the precisely tuned, optimized enclosure results in an unprecedented amount of output and extension.

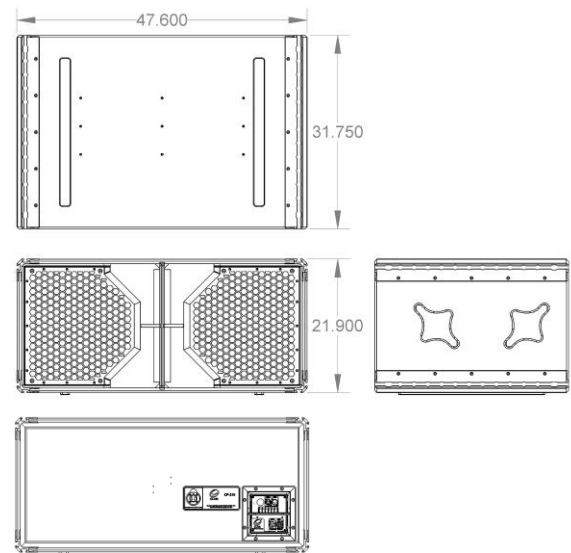
The CP-218 is the ideal subwoofer for use anywhere incredible low frequency power and extension is required. The advanced amplification and DSP system provides unmatched power output, while also maintaining highly accurate control of the transducers. Because the amplifier is located within the loudspeaker enclosure, power and damping factor losses due to speaker cable length are nonexistent.

Unique enclosure construction with integrated four-corner rigging hardware allows for multiple flown and stacked configurations. The rectangular enclosure can be operated in a variety of configurations, including cardioid and end fire stacks.*

The internal amplifier is well protected against shock, dust, and moisture. Integrated DSP processing, along with proprietary pressure-feedback technology ensures linear, consistent, and reliable performance at even the most punishing drive levels. The CP-218 is worldwide voltage compatible and features power factor correction for high energy efficiency. The amplifier and associated electronics are housed in a self contained, field-replaceable module.

Designed to withstand the rigors of the road, the CP-218 is constructed of the finest marine grade Finland birch plywood and aircraft grade aluminum. The extensively braced enclosure is engineered for rock-solid rigidity without adding unnecessary weight. A heavy duty steel grille and weather resistant 18" speakers ensure reliability in harsh environmental conditions, and a multi-step epoxy paint process provides a durable, attractive finish.

As with all Clair loudspeaker products, the CP-218 is designed, engineered, and made with pride in the USA.



* Consult CLAIR Subwoofer Array Guide for more information.

Technical Data

Type	Self-Powered Subwoofer	Frequency Response	29Hz-80Hz (+/-3dB) 24Hz (-10dB)
Applications	Concert Sound, Stadiums, Arenas, Amphitheaters, Corporate Events, Theaters Flyable / Stackable	Coverage Pattern	Configuration and array size dependent
Rigging Hardware	Aluminum corner extrusion with Clair classic hardware	Components	(2) 18" proprietary neodymium 80mm peak excursion capability
Max. Array Size	Consult CLAIR for more information	Power Output	9,000w maximum
Compatible With	All Clair loudspeaker systems	Construction	Premium multi-ply Finland marine plywood and aircraft aluminum enclosure, extensively braced Proprietary multi-step epoxy paint process
Amplification	One channel integrated Class D Amplifier with DSP Energy Recycling, Power Factor Corrected	Connectors	XLR analog input/link Neutrik PowerCON in/link
Cooling	Multi-stage temperature controlled fan cooling	AC Power	90-264VAC, 50-60Hz, 20 amps
Processing	Built-in DSP System Presets available for multiple configurations	Weight	287 lb (130.5 Kg)
Software	Ease Focus2 Array Configuration Software Clair Lake Control® wireless system controller	Dimensions	21.9"(h) x 47.6"(w) x 31.75"(d) 557 x 1210 x 807 mm
Transportation	Removable heavy duty aluminum wheel dolly extrusions Can be transported horizontally or vertically		