

# COHESION 118

CP-118 Self-Powered Compact Subwoofer



The Cohesion Series CP-118™ self-powered sub bass loudspeaker represents the new generation of Clair ultra high output, reference quality subwoofers. An integrated 8,500w amplifier provides unmatched headroom, driving a neodymium 18" extremely high power driver with 80mm peak-to-peak excursion capability. The combination of amplifier, 18" speaker, and the precisely tuned, optimized enclosure results in a staggering amount of output and extension in a very compact size.

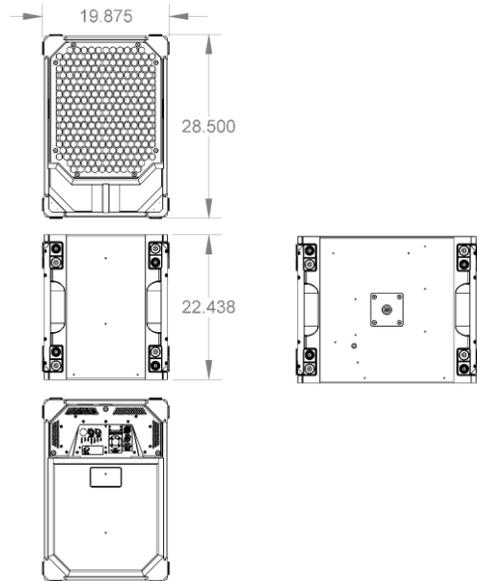
The CP-118 is the ideal subwoofer for use anywhere maximum low frequency power and extension are required with a minimum footprint. Especially suited for high power stage monitoring, the CP-118 can be seamlessly integrated with any Clair stage or main loudspeaker system.

Designed with ergonomics in mind, the CP-118 features unique cabinet construction with four integrated corner handles and a quick-attach caster frame. The rectangular enclosure incorporates rubber stacking corner blocks for an extra measure of safety and flexibility 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-118 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-118 is constructed of the finest marine grade Finland Birch plywood. The extensively braced enclosure is engineered for rock-solid rigidity without adding unnecessary weight. A foam-backed, heavy gauge aluminum grille and weather resistant 18" speaker 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-118 is designed, engineered, and made with pride in the USA.



\* Consult CLAIR Subwoofer Array Guide for more information.

## CP-118 Technical Data

Type	Self-powered subwoofer	Frequency Response	29Hz-80Hz (+/-3dB) 24Hz (-10dB)
Applications	On-stage monitoring, compact systems, corporate systems	Coverage Pattern	H: N/A V: N/A
Rigging Hardware	Stackable only. Integrated pole socket.	Components	LF: Proprietary 18" neodymium 80mm excursion capability
Compatible With	All Clair loudspeaker systems	Power Output	8,500w
Amplification	Built-in Class D amplifier with DSP Power Factor Correction, energy recycling	Construction	Premium multi-ply Finland marine plywood enclosure, extensively braced Proprietary multi-step epoxy paint process
Cooling	Variable speed fans with multi-stage air filtration	Weight	130 lb (59.1 Kg) 150 lb (68.2 Kg) including caster frame
Processing	Built-in DSP System Presets available for multiple configurations	Dimensions	28.5"(h) x 19.9"(w) x 22.5"(d) 724 x 505 x 572 mm
Transportation	Removable quick-attach caster frame Optional padded nylon transport cover	AC Power	90-264VAC, 50-60 Hz Auto-Sensing
Connectors	XLR analog input/link EP-4F slave subwoofer output Neutrik™ PowerCON® input/link		