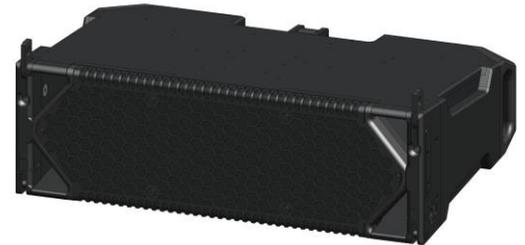


Features

- Reference-quality large format system
- Light Weight
- True Full Range Response (35Hz-20KHz)
- Precise, adjustable horizontal and vertical pattern control
- High output
- Industry-best durability, longevity, and weather resistance
- Seamless integration with other Cohesion series products

Applications

- Arena/Stadium Concerts
- Festivals
- Large scale Theater Productions
- Large Corporate or Broadcast events
- On Stage Sidefill
- Delay Systems



The Cohesion 10™ loudspeaker system represents the next generation of versatile, reference quality concert loudspeakers. Unlike previous-generation loudspeaker systems, the Cohesion 10 combines industry-leading cabinet design and construction with advanced technology transducers, resulting in higher power, lighter weight, and accurate pattern control. The result is a system that delivers powerful, smooth audio to every seat, while also maximizing operational efficiency.

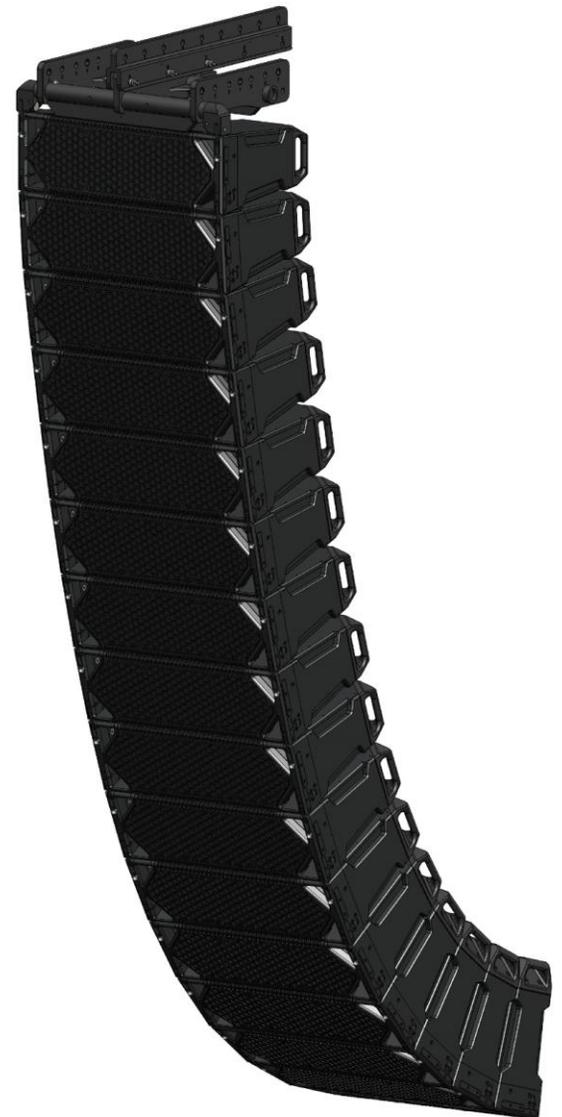
The CO-10 low frequency section contains two high efficiency, long excursion neodymium cone transducers in optimally tuned, vented enclosures. Careful attention has been paid to the enclosure design to eliminate standing waves and unwanted resonances, while minimizing weight and still preserving maximum rigidity. The ports have been specially optimized to reduce port noise and compression. The result is impressive low frequency extension and output capability, which reduces the need for separate sub-bass loudspeakers compared to other systems of this size.

The midrange section features a proprietary neodymium, high efficiency midrange transducer coupled to a Boundary-Element-Analysis optimized coaxial horn system. The horn offers consistent 80 or 120 degree constant horizontal beamwidth for unmatched pattern control and efficiency over its entire operating range.

The high frequency section's advanced compression driver is mated to a proprietary waveguide system feeding the same horn as the midrange. Innovative diaphragm technology virtually eliminates break-up distortion within the audible range, resulting in very smooth extended response without the harshness associated with traditional devices. The high frequency vertical pattern has been mathematically optimized for ideal behavior within the array.

Designed to withstand the rigors of the road, the Cohesion 10 is constructed of the finest marine grade Finland birch plywood. A foam-backed aluminum grille and weather treated components ensure reliability in the harshest environmental conditions, and a multi-step epoxy paint process provides a durable, attractive finish.

As with all Clair loudspeaker products, the Cohesion 10 is designed, engineered, and made with pride in the USA.

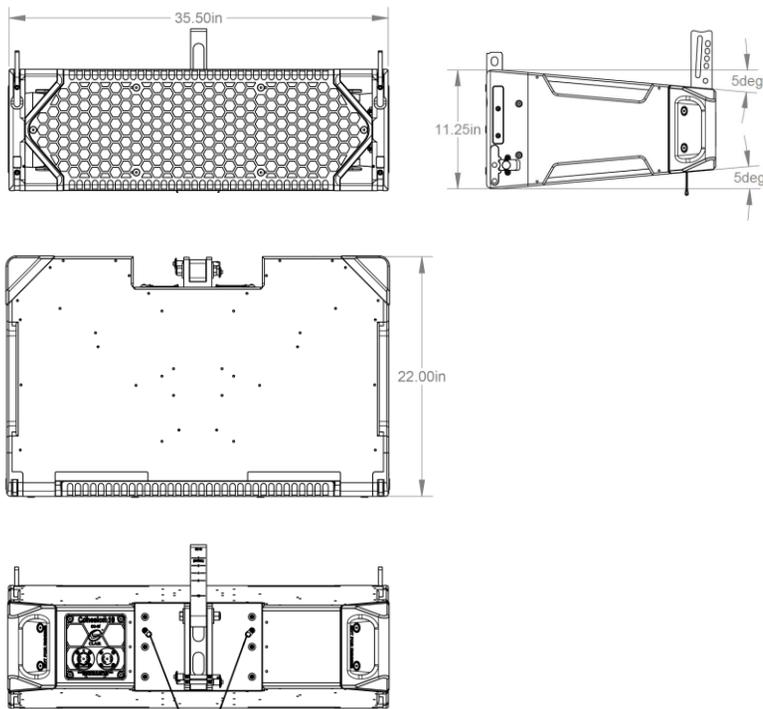


Cohesion CO-10

Specifications, Dimensions, & Accessories

Type	Full Range Vertical Array Loudspeaker	Frequency Response (-10dB)	35Hz-20KHz
Applications	Concert Sound, Stadiums, Arenas, Amphitheaters, Theaters	Coverage Pattern	H: 80° (Standard), 120° (Optional) V: Configuration Dependent
Rigging Hardware	Proprietary Clair Rigging 0-10 Degree Vertical	Construction	Premium multi-ply Finland marine plywood with proprietary multi-step epoxy paint process
Maximum Array Size	Up to 20 CO-10 enclosures in any single column	Connectors	(1) EP-8 Male, (1) EP-8 Female
Compatible Subs	Clair COHESION CP-218 Clair COHESION CP-118	Weight (Single)	80 Deg: 102 lb (46.4 Kg) 120 Deg: 105 lb (47.7 Kg)
Amplification	Clair StakRak™ and PakRak™	Dimensions	11.25"(h) x 35.5"(w) x 22.0"(d) 286 x 902 x 559mm
Processing	Proprietary Clair/LAKE®	Transportation	Removable heavy duty dolly tray for up to six CO10 enclosures Optional padded transport cover
Software	Clair/AFMG Ease Focus™ Array Configuration/Optimization Software Clair Lake Control® System Controller		

Dimensional Data



Transport Configurations

