

COHESION 8

Micro Line Array Loudspeaker



The Cohesion 8 represents the latest generation of compact, high output line array systems. Designed for a variety of uses, CO-8 combines very high output, flexible coverage, and premium sound quality into an extremely compact package. The CO-8's diminutive size allows for a high degree of flexibility when integrating into virtually any application.

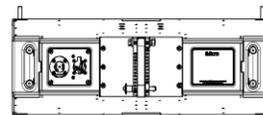
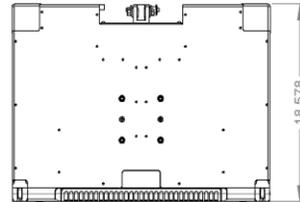
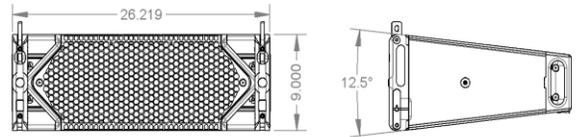
The CO-8 loudspeaker contains two dual voice coil, high excursion 8" drivers in optimized, vented enclosures for powerful low frequency response and headroom. A single 4" diaphragm, 1.5" exit compression driver mated to a proprietary Clair waveguide provides unmatched high frequency headroom when compared to other loudspeakers in its class. Three horizontal coverage options allow for maximum flexibility in any application.

Cohesion 8 systems can easily be integrated with Clair sub-bass loudspeakers when additional low frequency output or extension is desired, however, the impressive low frequency headroom of the CO-8 often reduces or eliminates the need for separate sub-bass systems in certain applications.

EASE Focus2™ alignment software, combined with Clair's proprietary AlignArray™ rigging, provides unrivaled speed, safety, and efficiency to minimize set-up and tear-down times. Vertical angle adjustments are available in precise one degree increments. Up to 24 CO-8 cabinets can be flown in a single column, and a variety of accessories and mounting options are available for maximum flexibility.

Designed to withstand the rigors of the road, the Cohesion 8 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 8 is designed, engineered, and made with pride in the USA.



Cohesion 8 Technical Data

Type	Three way vertical array loudspeaker	Frequency Response	55Hz-18KHz (+/-3dB) 50Hz (-10dB)
Applications	Theaters, small arenas, sheds, side hangs, front fill	Coverage Pattern	H: 120° (Std), 80° or 160° (Optional) V: 12°
Rigging Hardware	Proprietary Clair AlignArray 3-Point rigging Adjustable in 1° increments	Components	LF: (1) 8", neodymium, dual voice coil MF: (1) 8", neodymium, dual voice coil HF: (1) 1.5" exit, 4" diaphragm neodymium
Accessories	#384482 Adjustable angle pole mount (+/- 18 degrees) #384491 Truss Cheeseborough clamp (max of two CO-8) #384495 Yoke assembly (max of four CO-8)	Power Rating (RMS/Peak)	LF: 400w / 1600w LMF: 400w / 1600w HF: 75w / 300w
Maximum Array	Up to 24 CO-8 loudspeakers in any single column* <i>Consult CLAIR Rigging and Mechanical Specs for more information</i>	Construction	Premium multi-ply Finland marine plywood Proprietary multi-step epoxy paint process
Compatible Subs	Clair Cohesion CP-218 and CP-118	Connectors	(1) EP-8 male (1) EP-8 female
Amplification	Clair StakRak™ with Lab.Gruppen PLM20000Q	Weight	53lbs (24.04 Kg)
Processing	Proprietary Clair/LAKE® Presets available for multiple system configurations	Dimensions	9.00"(h) x 26.25"(w) x 18.5"(d) 229mm x 667mm x 470mm
Software	EASE Focus2 array configuration software Clair Lake Control® wireless system controller		
Transportation	Removable heavy duty dolly tray for up to 6 cabinets		