

# COHESION CM-22

High Output Stage Monitor



The Cohesion Series CM-22™ stage monitor represents the latest in a new generation of Clair ultra high output stage monitors. Building on decades of concert touring experience, Clair has drawn on its unequalled lineage of the best floor monitors in concert audio for the design of the CM-22.

The CM-22 features dual 12" long-excursion, dual voice coil low frequency transducers in an optimally tuned, ported enclosure. Special attention has been given to the floor coupled ports to provide unparalleled low frequency impact and extension while minimizing port noise and compression, allowing the CM-22 to faithfully reproduce kick drum, bass guitar, and electronic music often without the need for additional subwoofer enclosures.

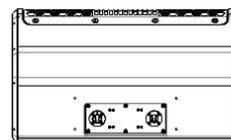
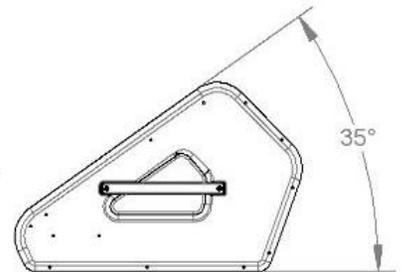
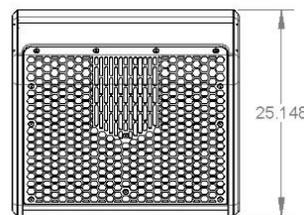
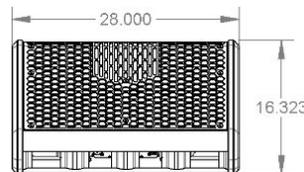
The high frequency section comprises a 1.5" exit, 4" pure titanium diaphragm compression driver mated to a proprietary horn. Optimized using advanced Finite Element Analysis methods and crafted out of solid wood, the CM-22 horn provides exceptionally linear acoustic response while maintaining ultra-precise horizontal and vertical pattern control.

The CM-22 is optimized to be used in singles or in pairs. Unlike some competitive monitors, the high frequency horn pattern is perfected to interact properly in pairs, allowing extreme SPL levels while maintaining superlative gain before feedback. Clair/LAKE configuration files are available for single and pair use.

A Clair signature "clam shell" case provides transportation and protection for a pair of cabinets, and allows for easy one-person handling and setup.

Designed to withstand the rigors of the road, the CM-22 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 is rugged enough to withstand virtually any on-stage abuse, and weather treated transducers ensure reliability in harsh environmental conditions,

As with all Clair loudspeaker products, the CM-22 is designed, engineered, and made with pride in the USA.



## CM-22 Technical Data

Type	Stage Monitor	Frequency Response	40Hz-18KHz (+/-3dB)
Applications	On-stage monitoring, drum fill, side fill	Coverage Pattern	H: 50° V: 70°
Rigging Hardware	N/A	Components	LF: (2) 12", neodymium, dual voice coil HF: (1) 4" diaphragm, 1.5" exit
Compatible With	All Clair loudspeaker systems Clair Cohesion series subs	Power Rating (RMS/Peak)	LF: 1400w / 5600w HF: 75w / 300w
Amplification	Lab.Gruppen PLM20000Q	Connectors	(1) EP-4 male, (1) EP-4 female
Processing	Proprietary Clair/LAKE® System Presets available for multiple configurations	Weight	77 lb (35 Kg)
Transportation	Clamshell style road case for two CM-22	Dimensions	16.3"(h) x 28.0"(w) x 25.1"(d) 414 x 712 x 638 mm
Construction	Premium multi-ply Finland marine plywood enclosure, extensively braced Proprietary multi-step epoxy paint process	Wedge Angle	35 degrees