



# i208-M Line Array



## Applications

Live Sound Reinforcement  
Theaters  
Cruise Ships  
House of Worship  
Entertainment Venues

## Features

Compact Size  
High Output  
Modular High Frequency  
LF Device: (1) 8 in. (203.2mm)  
LF/MF Device: (1) 8 in. (203.2mm)  
HF Device: (1)  
Exit: 1.4 in. (35.6mm)  
Diaphragm: 3.0 in. (76.2mm)  
Integral Rigging  
EP-8 Connector

## GENERAL DESCRIPTION

The i208-M is the latest innovation in mobile compact line-array technology from Clair Brothers. The i208-M incorporates a proven approach to low/mid frequency symmetry first introduced in the Clair Brothers CAT™ system.

The centrally positioned high frequency waveguide couples to a modular horizontal waveguide providing optimum custom tailoring for horizontal dispersion. Standard module is 120 degrees and 90 degrees is optional. This modular section is flanked by the low frequency and low/mid frequency components. Each 8 inch low and low/mid frequency driver is front loaded in its own tuned reflex chamber.

The i208-M speaker cabinet is designed to provide exceptional intelligibility and is capable of a frequency response of 60Hz–20kHz.

The i208-M has one of the most versatile, quick and easy to use rigging systems in the industry today. Each enclosure is equipped with structurally integrated rigging to allow for quick coverage angle adjustments for multiple venue

arrangements. Rear rigging hardware allows for angle adjustments between 0 and 10 degrees at 0, 2.5, 5, 7.5 or 10 degree increments.

As with all Clair Brothers products, the i208-M is constructed of the finest Baltic birch plywood and finished with a rugged exterior epoxy to withstand the most demanding conditions.

The speaker grille is constructed of high-grade 14 gauge perforated steel and finished with a commercial grade powder coat finish.

## OPTIONS

(i208-WR) Weather Resistant Series  
(i208-i) Installation Version

Accessories: Ground Stack Rigging  
Soft Cover and Dolly Transport  
Custom Colors Available

Call or e-mail Clair Brothers for more information on available options.  
(717-665-4000) e-mail: sales@clairsystems.com

# i208-M Line Array



## AUDIO SPECIFICATIONS

Loudspeaker Type	Line Array Element	Three-Way Active
Frequency Response (+/- 3dB)	Single Cabinet	60Hz–20kHz
Recommended Power Amplifier		1000–1300W @ 8 Ohms
Sensitivity (1 Watt @ 1 Meter)*		103 dB SPL
Maximum Output	Cont	129 dB SPL
	Peak	132 dB SPL
Drivers	LF	(1) 8 in. (203.2mm)
	LF/MF	(1) 8 in. (203.2mm)
	HF	(1) Exit 1.4 in. (35.6mm); Diaphragm 3.0 in. (76.2mm)
Nominal Impedance	LF	8 Ohms
	LF/MF	8 Ohms
	HF	16 Ohms
Power Handling	Program	(LF) 400W; (LF/MF) 400W; (HF) 220W
	Peak	(LF) 800W; (LF/MF) 800W; (HF) 440W
Dispersion	Standard	120° H x 10° V
	Optional	90° H x 10° V
Input Connection		(2) EP-8 Connectors (1 Male, 1 Female)

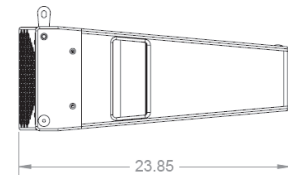
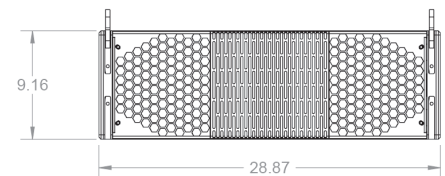
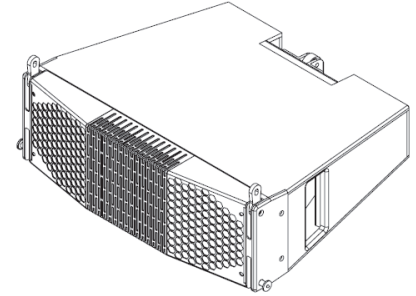
## MECHANICAL SPECIFICATIONS

Enclosure	Shell	18mm Baltic Birch
	Finish	Black Epoxy Mastic
Grille		Perforated Steel, Foam Backed
Dimensions	Front Height	9.16 in. (232.7mm)
	Rear Height	5.62 in. (142.7mm)
	Width	28.87 in. (733.3mm)
	Depth	23.85 in. (605.8mm)
Weight		60 lbs. (27.2kg)
Shipping Weight		75 lbs. (34.0kg)

\*Sensitivity: Measured with recommended signal processing using constant voltage input of 2.83Vms, normalized to 1m. This figure represents the average sensitivity as a function of frequency for the entire three-way system.

Note: All wattage figures are calculated using the rated nominal impedance.

Clair Brothers products are designed to perform optimally by utilizing factory recommended proprietary DSP settings.



**i208-M EP-8 Pin Configuration**

Pin	Use	Pin	Use
1	Low (-)	5	High (-)
2	Low (+)	6	High (+)
3	Low/Mid (-)	7	Unused
4	Low/Mid (+)	8	Unused

## ARCHITECT AND ENGINEER SPECIFICATIONS

The loudspeaker shall be a mobile three-way active, line-array component cabinet. The front of the enclosure shall be fitted with a 14 gauge perforated steel grille backed with foam. The system shall have an amplitude response of 60Hz to 20kHz (+/- 3 dB). The loudspeaker system shall be symmetrically loaded with two 8" low/midrange transducers. The low frequency drivers shall be 8" nominal diameter capable of handling 300W of power as per AES standard. The low and low mid frequency drivers shall each be mounted in independently tuned vented chambers. The high frequency section shall be modular with each module containing (1) HF waveguide. The high frequency horn shall be centrally located within the enclosure and shall feature (1) 1.4" exit / 3" diaphragm diameter compression driver mounted to a waveguide and horn assembly that provides either 120° standard (or 90° optional) horizontal by 10° vertical dispersion. The rigging shall be integrated to the enclosure structure and shall permit the deployment of the cabinet into typical line-array configurations. The loudspeaker enclosure shall be constructed of 18mm / 13-ply Baltic birch plywood. The cabinet shall be finished using epoxy mastic finish. The loudspeaker shall be 9.16" (232.7mm) H (front), 5.62" (142.7mm) H (rear) x 23.85" (605.8mm) D x 28.87" (733.3mm) W and weigh 60 lbs. (27.2kg). The loudspeaker system shall be the Clair Brothers i208-M.

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Due to constant research, development and improvements all specifications are subject to change without notice.

