

B&B SERIES

J212F

LARGE-FORMAT 3-WAY LINE ARRAY

Dual 12-inch system for large-scale
sound reinforcement.

145 dB

MAXIMUM SPL

60 kg

NET WEIGHT

PRODUCT DETAIL



LA SOUNDX®
PROFESSIONAL AUDIO SYSTEM

J212F

Large-format 3-way line array loudspeaker



A symmetrical 3-way design combines dual 12-inch LF drivers with a horn-loaded midrange section and a dedicated HF waveguide.

3-WAY

ACOUSTIC DESIGN

Active LF/MHF operation with an internal passive MF/HF crossover.

80°

HORIZONTAL COVERAGE

Symmetrical driver geometry and controlled horizontal dispersion.

24

ARRAY CAPACITY

Up to 24 cabinets in a configured flown array.

J212F from every angle

Product perspectives and orthographic reference

FRONT PERSPECTIVE



Steel grille and side rigging

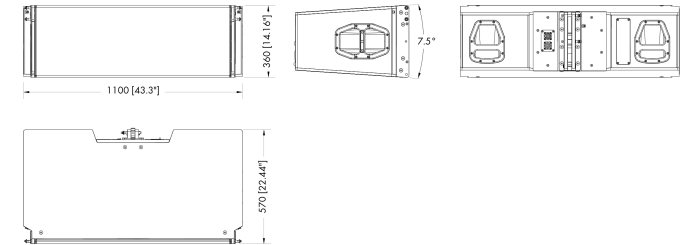
REAR PERSPECTIVE



Rear hardware and connector panel

Optional 5-pin connector version shown

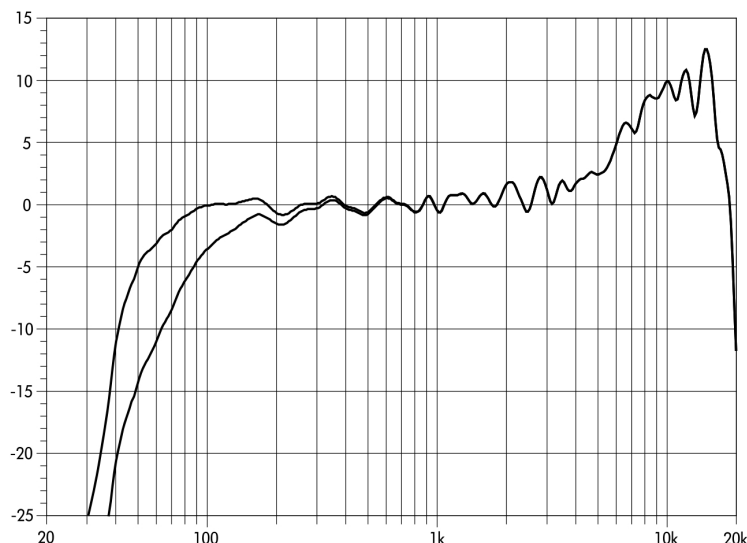
ORTHOGRAPHIC



Front, side, rear and top views

Frequency response and output

Standard and CUT modes for full-range or subwoofer-supported use



Standard and CUT response

Operating bandwidth

STANDARD (-5 dB)

48 Hz – 17 kHz

CUT MODE (-5 dB)

85 Hz – 17 kHz

145 dB

MAXIMUM SPL

500 / 2000 W

LF POWER HANDLING

200 / 800 W

MHF POWER HANDLING

SPL: 1 m, free field, peak, pink noise crest factor 4. Power handling: RMS / peak (10 ms).

80° horizontal coverage

Symmetrical acoustic geometry for controlled horizontal dispersion

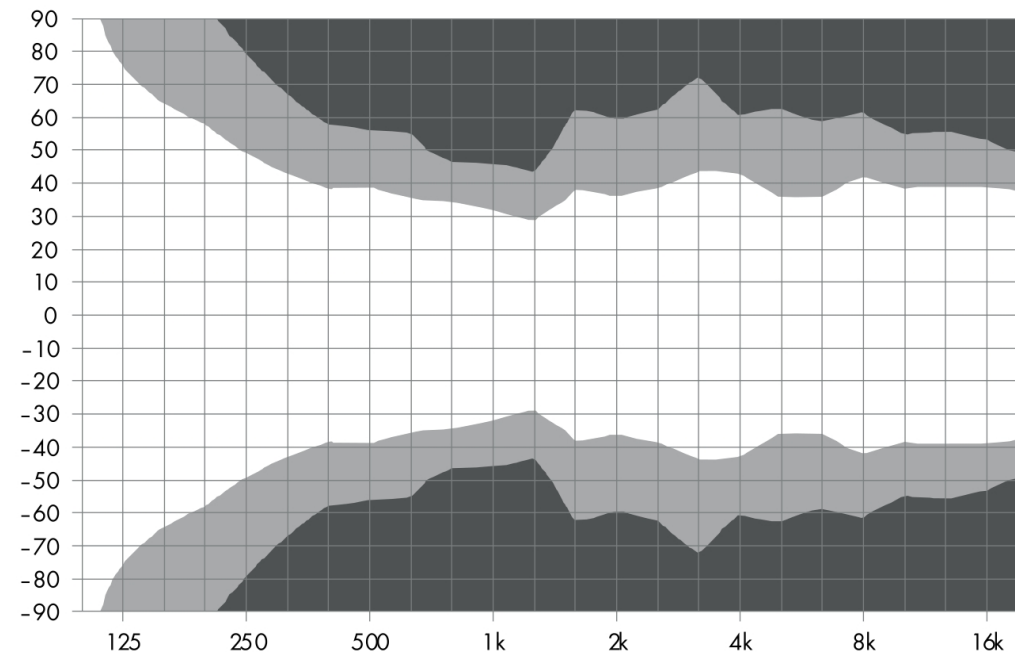
80°

HORIZONTAL DISPERSION

Dipolar LF driver placement and a central MF/HF section support a symmetrical coverage pattern.

Vertical coverage follows the array length and inter-cabinet splay settings.

HORIZONTAL ISOBAR

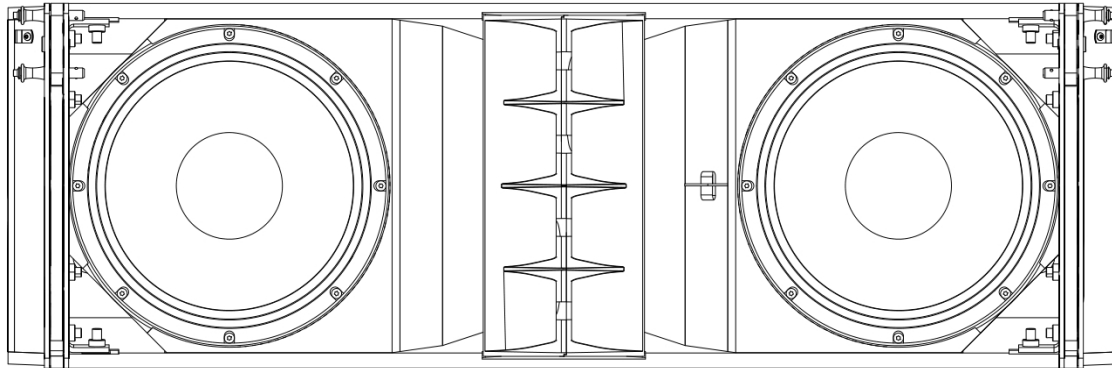
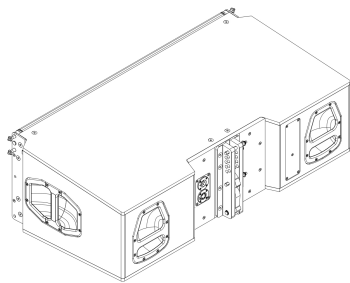


Equal-pressure contours at -6 dB and -12 dB

Symmetrical 3-way architecture

Dual LF drivers around the central MF/HF section

FRONT ACOUSTIC ARCHITECTURE



2 × 12-inch LF

1 × 10-inch MF

2 × 1.4-inch HF exits

CABINET

Marine plywood

FINISH

Protective polyurea coating

HANDLING

Four side and rear handles

RIGGING

Integrated 3-point hardware

HF SECTION

3-inch voice coils and
a dedicated waveguide

J212F technical dimensions

Enclosure dimensions and net weight

360 mm

HEIGHT

1100 mm

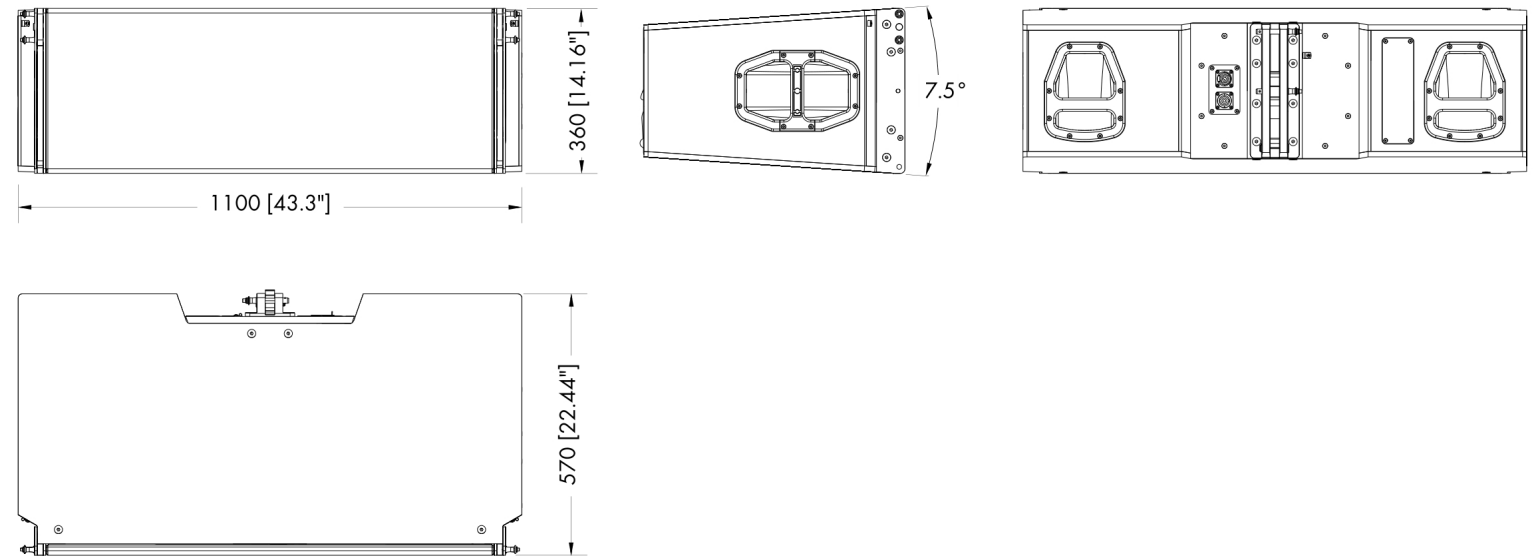
WIDTH

570 mm

DEPTH

60 kg

NET WEIGHT



Dimensions in millimetres [inches]. H × W × D: 360 × 1100 × 570 mm.

Flown-array deployment

Integrated hardware and adjustable inter-cabinet splay



24

CABINETS PER ARRAY

Maximum configured array size.

0°–7°

SPLAY SETTINGS

One-degree steps between adjacent cabinets.

3-POINT

RIGGING SYSTEM

Two front connections and one rear connection.

Array capacity depends on the frame, suspension geometry and load limits.

Large-scale sound reinforcement

Application environments for J212F systems



STADIUM EVENTS

Large audience areas



CEREMONIAL EVENTS

Speech and music reinforcement



ARENAS

Indoor touring productions

Illustrative application environments

Rigging and transport

Matching accessories for deployment and handling

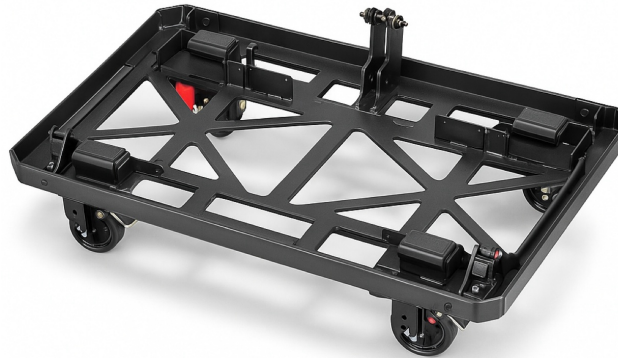
01



Flying frame

Suspension frame with chain assembly

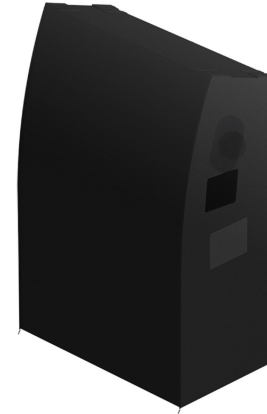
02



Transport cart

Wheeled transport platform for up to four cabinets

03



Protective cover

Protective cover for transport and storage

Two-way active operation

Independent LF and MHF amplifier sections

AMPLIFICATION

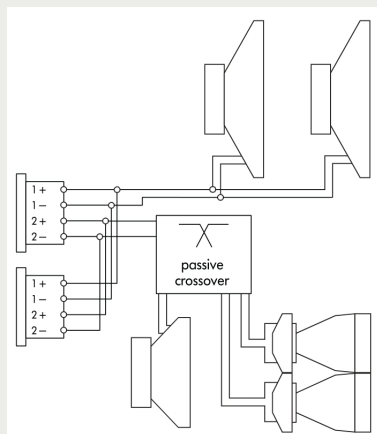


2-WAY ACTIVE

Two amplifier channels
per cabinet: LF and MHF.

LF: 6 Ω MHF: 12 Ω

INTERNAL WIRING



Active LF/MHF
crossover.
Passive MF/HF
crossover.

CONNECTOR ASSIGNMENT

Connector	LF +	LF -	MHF +	MHF -
4-pin	1+	1-	2+	2-
5-pin option	1	2	3	4
8-pin option	1+	1-	4+	4-

Sense return: 5-pin terminal 5 or 8-pin terminal 3-.

Two parallel rear connectors.
4-pin standard, 5-pin or 8-pin options.

Complete J212F specifications

Large-format 3-way line array loudspeaker

Model	J212F	System type	3-way, two-way active
Frequency response	48 Hz – 17 kHz (-5 dB)	CUT mode	85 Hz – 17 kHz (-5 dB)
Maximum SPL	145 dB peak ¹	Horizontal dispersion	80°
LF drivers	2 × 12-inch neodymium	MF driver	1 × 10-inch, horn-loaded
HF drivers	2 × 1.4-inch exits, 3-inch coils	Crossover	Active LF/MHF, passive MF/HF
LF impedance	6 Ω	MHF impedance	12 Ω
LF power handling	500 / 2000 W ²	MHF power handling	200 / 800 W ²
Splay settings	0°–7° in 1° increments	Array size	Up to 24 cabinets ³
Connections	2 × 4-pin, parallel	Connector options	2 × 5-pin or 2 × 8-pin
Dimensions (H/W/D)	360 × 1100 × 570 mm	Net weight	60 kg / 132 lb
Cabinet	Marine plywood	Finish	Impact / weather-resistant coating
Rigging	Integrated 3-point system	Handling	Four side and rear handles

¹ 1 m, free field, peak, pink noise crest factor 4. ² RMS / peak (10 ms).

³ Subject to frame configuration, suspension geometry and load limits.