

B&B SERIES

Y28F

COMPACT 2-WAY LINE ARRAY

Dual 8-inch passive system for
small and medium scale events.

139 dB

MAXIMUM SPL

20 kg

NET WEIGHT

PRODUCT DETAIL



LA SOUNDX®
PROFESSIONAL AUDIO SYSTEM

Y28F

Compact 2-way passive line array loudspeaker



Two 8-inch LF drivers flank a central 1.4-inch HF driver and waveguide. An internal passive crossover feeds both bands.

2-WAY

PASSIVE ACOUSTIC DESIGN

Dual LF drivers and a central HF section operate through an internal crossover.

80°

HORIZONTAL COVERAGE

Controlled horizontal coverage for compact vertical line arrays.

24

ARRAY CAPACITY

Up to 24 cabinets in a configured flown array.

Y28F from every angle

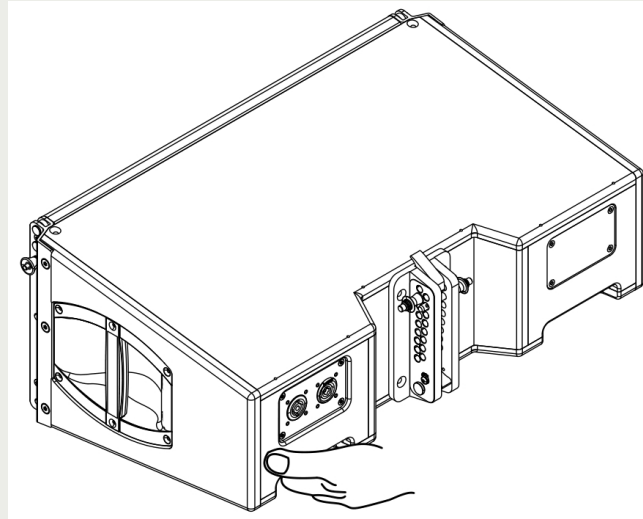
Product perspective and orthographic references

FRONT PERSPECTIVE



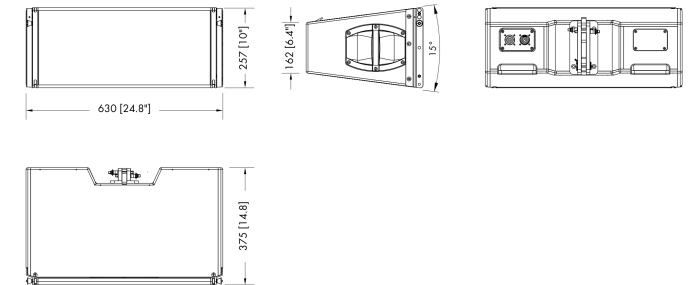
Steel grille and side rigging

REAR ENGINEERING VIEW



Rear link and connector panel

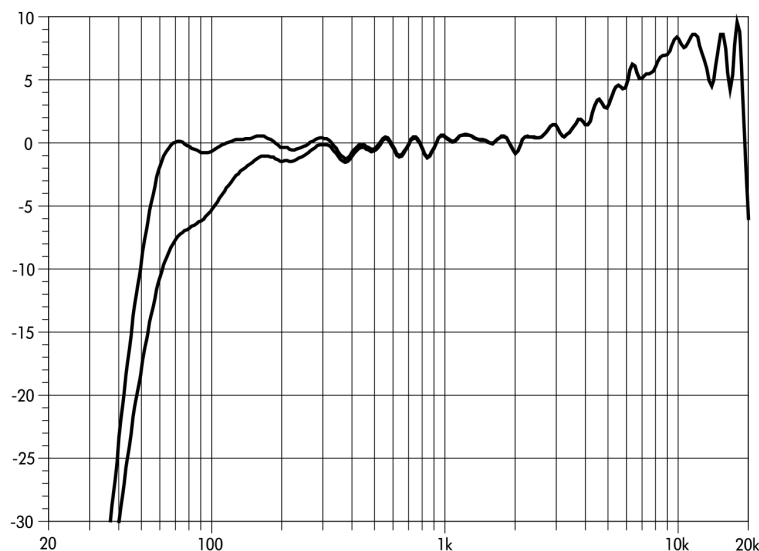
ORTHOGRAPHIC



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)

54 Hz – 19 kHz

CUT MODE (-5 dB)

100 Hz – 19 kHz

139 dB

MAXIMUM SPL

400 W

POWER HANDLING, RMS

1600 W

POWER HANDLING, PEAK

SPL: 1 m, free field, peak, pink noise crest factor 4, compatible system controller. Peak power: 10 ms.

80° horizontal coverage

Dipolar LF placement and a central HF waveguide

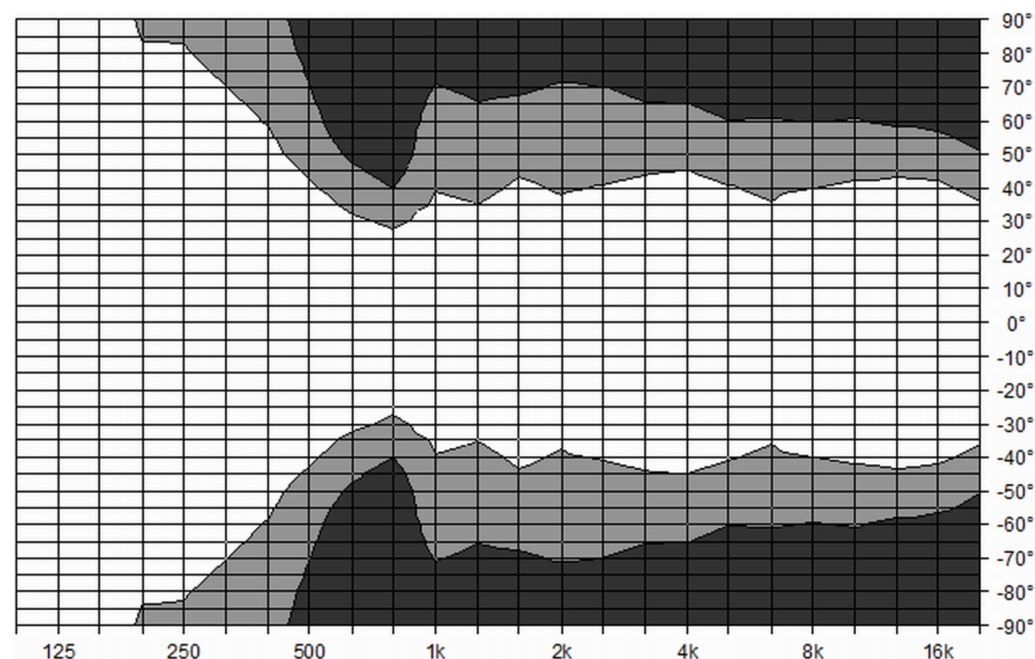
80°

HORIZONTAL DISPERSION

Dual LF drivers provide horizontal dispersion control down to 500 Hz.

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

HORIZONTAL ISOBAR

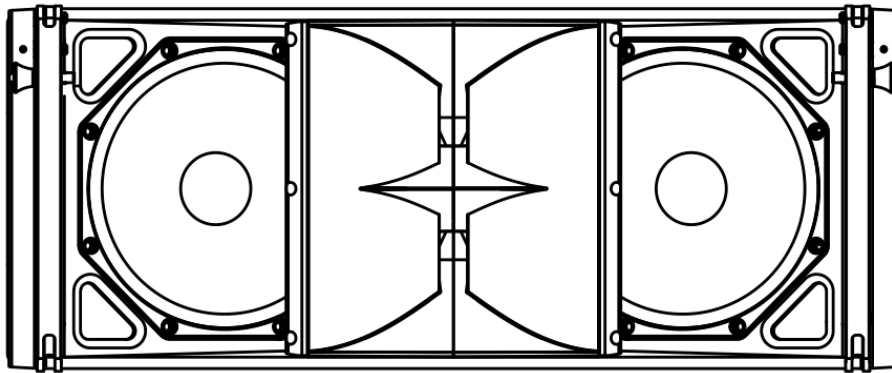
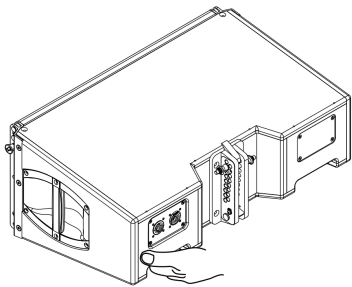


Equal-pressure contours at -6 dB and -12 dB

Two-way passive architecture

Dual 8-inch LF drivers around the central HF section

FRONT ACOUSTIC ARCHITECTURE



2 × 8-inch LF

1 × 1.4-inch HF exit

Passive crossover

CABINET

Marine plywood

FINISH

Protective polyurea coating

HANDLING

2 side handles, 2 rear grips

RIGGING

Integrated 3-point hardware

HF SECTION

3-inch diaphragm and
a dedicated waveguide

Y28F technical dimensions

Enclosure dimensions and net weight

257 mm

HEIGHT

630 mm

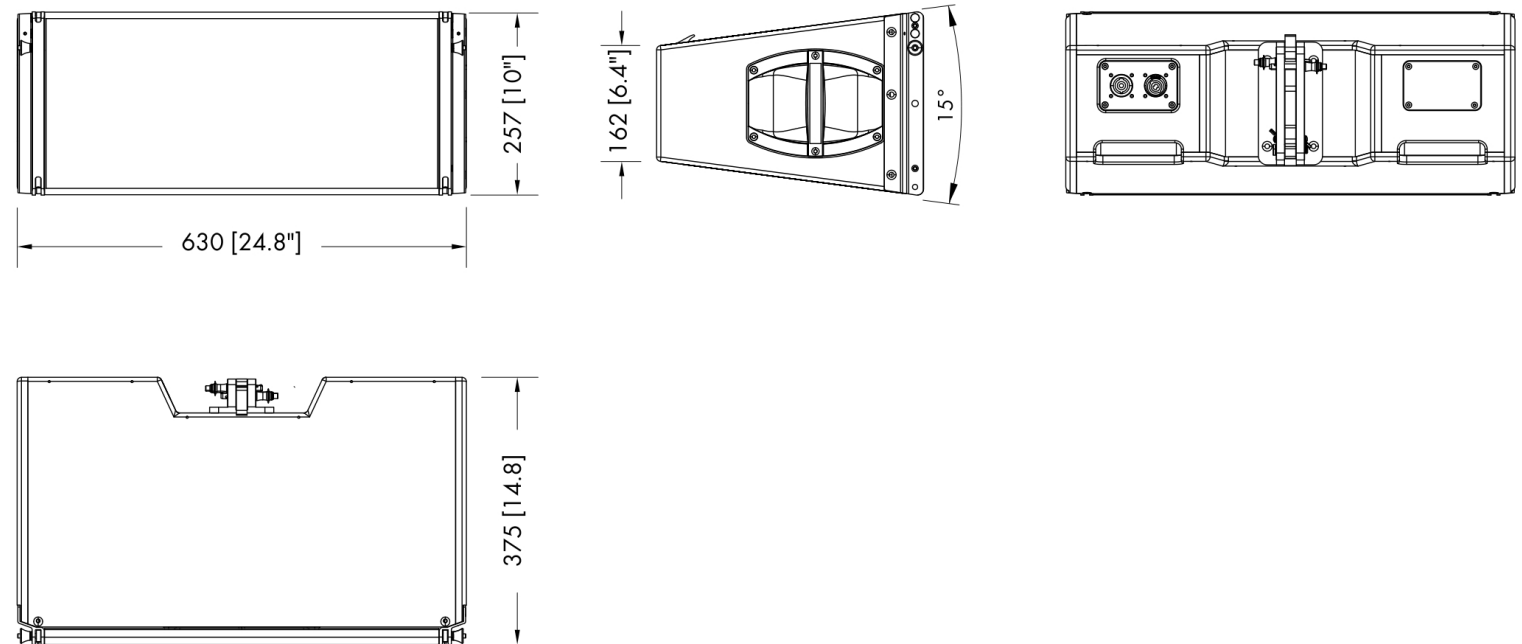
WIDTH

375 mm

DEPTH

20 kg

NET WEIGHT



Dimensions in millimetres [inches]. H × W × D: 257 × 630 × 375 mm.

Flown-array deployment

Integrated hardware and adjustable inter-cabinet splay



24

CABINETS PER ARRAY

Maximum configured array size.

0°–14°

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.

Compact systems for varied venues

Reference environments for speech and live music



THEATRES

Musical and performing arts venues



HOUSES OF WORSHIP

Speech and music reinforcement



MULTIPURPOSE VENUES

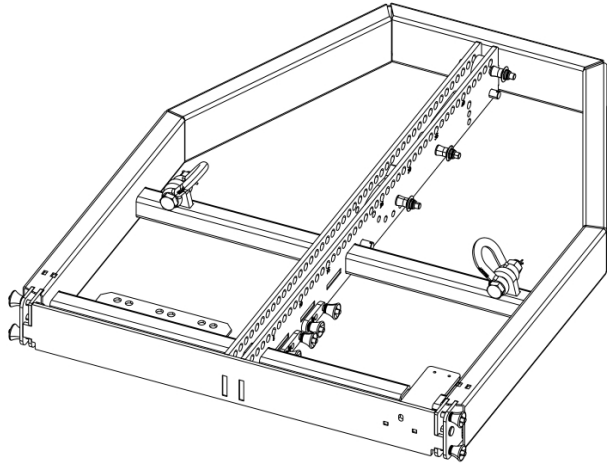
Conferences and live events

Illustrative application environments

Rigging and transport

Matching accessories for deployment and handling

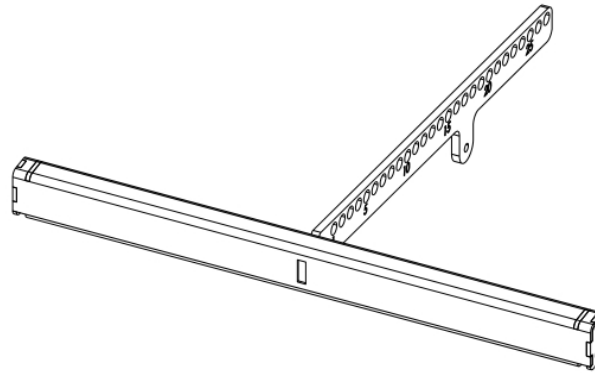
01



Flying frame

Frame for configured
vertical arrays

02



Flying adapter

Compact suspension adapter
for short arrays

03



Touring cart

Four-cabinet transport
arrangement shown

Single-channel passive operation

Internal LF/HF crossover and parallel rear connectors

AMPLIFICATION

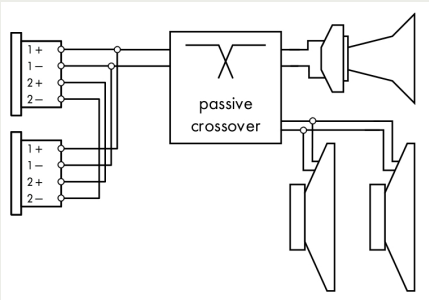


PASSIVE 2-WAY

One amplifier channel feeds LF and HF through the internal crossover.

8 Ω per cabinet

INTERNAL WIRING



Two LF drivers and one HF driver share an internal passive crossover network.

CONNECTOR ASSIGNMENT

Connector	TOP +	TOP -	Link +	Link -
4-pin standard	1+	1-	2+	2-
4-pin option	1+	1-	2+	2-
5-pin option	1	2	3	4

TOP uses 1+/1-. The second pin pair links through for a separate subwoofer circuit.

Two parallel rear connectors.
Up to two cabinets per amplifier channel.

Complete Y28F specifications

Compact 2-way passive line array loudspeaker

Model	Y28F	System type	2-way passive line array
Frequency response	54 Hz – 19 kHz (-5 dB)	CUT mode	100 Hz – 19 kHz (-5 dB)
Maximum SPL	139 dB peak ¹	Horizontal dispersion	80°
LF drivers	2 × 8-inch neodymium	HF driver	1 × 1.4-inch exit
HF diaphragm	3-inch	Crossover	Internal passive network
Nominal impedance	8 Ω	Power handling	400 / 1600 W ²
Splay settings	0°–14° in 1° increments	Array capacity	Up to 24 cabinets ³
Connections	2 × 4-pin, parallel	Connector options	4-pin or 5-pin variants
Active pins (4-pin)	1+ / 1–	Active pins (5-pin)	1 (+) / 2 (–)
Dimensions (H/W/D)	257 × 630 × 375 mm	Net weight	20 kg / 44 lb
Cabinet	Marine plywood	Finish	Protective polyurea coating
Rigging	Integrated 3-point system	Handling	2 side handles, 2 rear grips

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

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