

BD 2412EN

ALUMINIUM BIDIRECTIONAL SOUND PROJECTOR



DESCRIPTION

Bidirectional sound projector with double loudspeaker, characterized by high acoustic performance, excellent design and compact dimensions. The BD 2412EN is ideal for train stations, underground stations, car parks, factories, warehouses, corridors and PA systems in general.

MAIN APPLICATIONS

- Voice evacuation system
- Schools
- Shopping malls
- Hospital
- Museums
- Hotels
- Office building

MAIN FEATURES

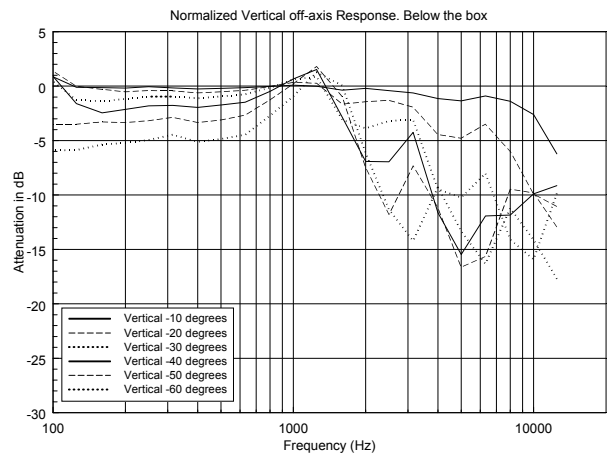
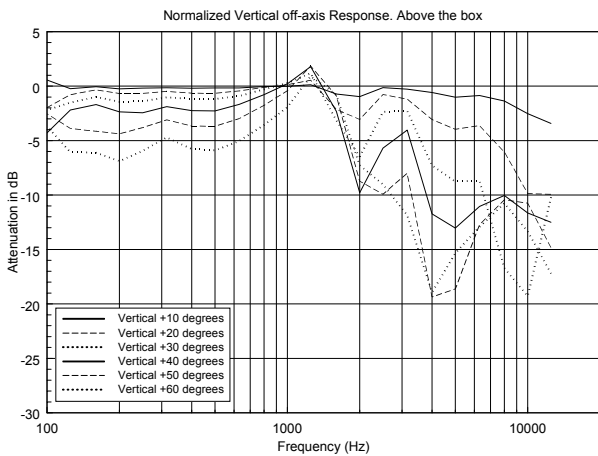
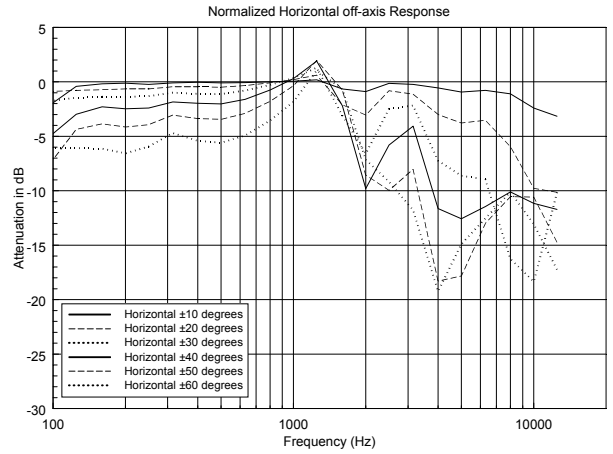
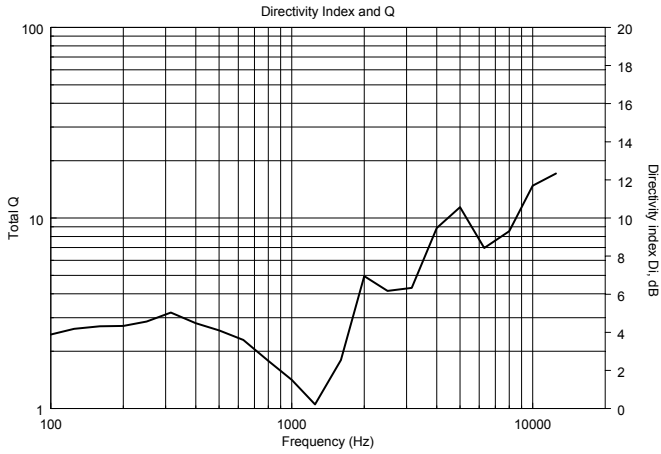
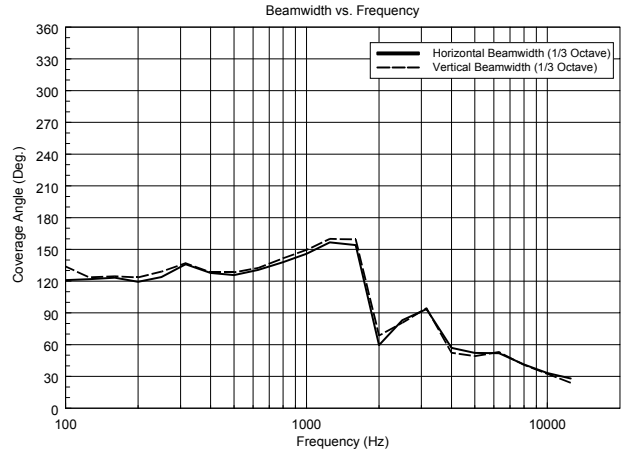
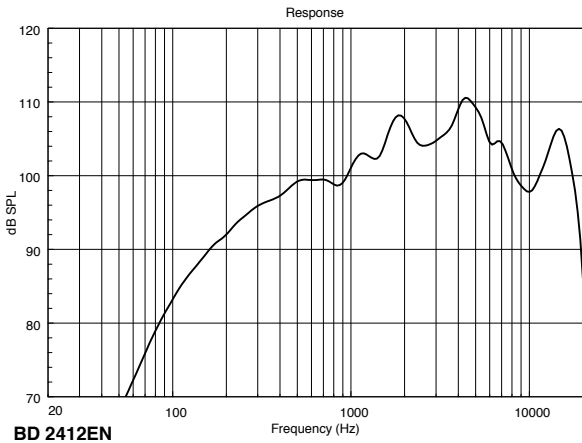
- Bidirectional sound projector with double loudspeaker, characterized by high acoustic performance, excellent design and compact dimensions
- Complying with EN54-24 standard thanks to ceramic termination block, thermal fuse and internal fire-resistant cable
- IP 55 protection, suitable for outdoor use
- It's idea for train stations, underground stations, car parks, factories, warehouses, and PA systems in general
- Continuous nominal power: 20/10/5 W ([100 V])

SPECIFICATIONS

Type:	bidirectional sound projector
Transducers:	2 x 5"
Sensitivity (1 W, 1 m):	89 dB
Max. sound pressure (20 W, 1 m):	102 dB
Max. sound pressure (20 W, 4 m):	90 dB
Frequency response (-10 dB):	130 Hz ÷ 20 kHz
Dispersion:	130° (1 kHz), 50° (4 kHz)
Power taps (100 V):	20 – 10 – 5 W
Input impedance:	500 Ω – 1 kΩ – 2 kΩ
Enclosure material:	aluminium alloy
Use:	indoor – outdoor
IP grade:	IP 66
Dimensions (without bracket):	Ø 146 mm, 184 mm
Colour:	light grey
Net weight:	3.3 kg

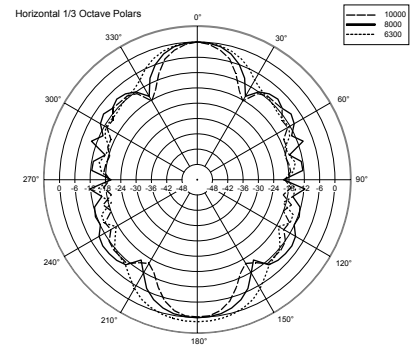
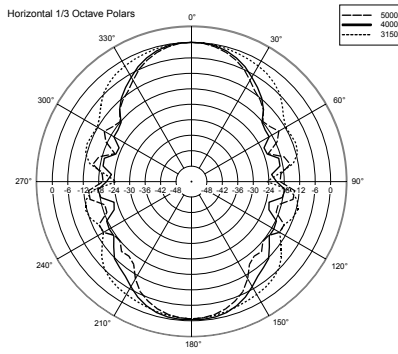
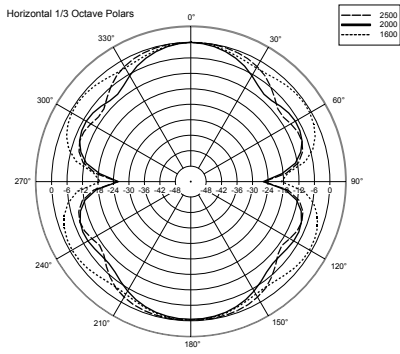
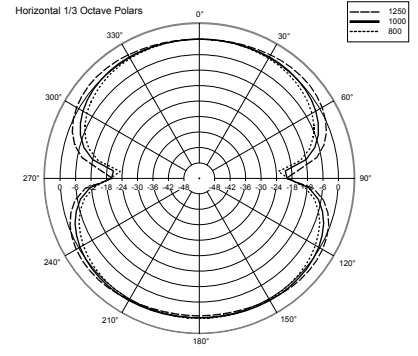
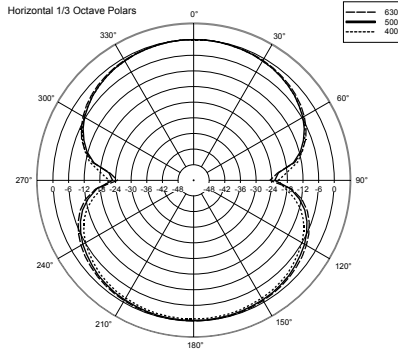
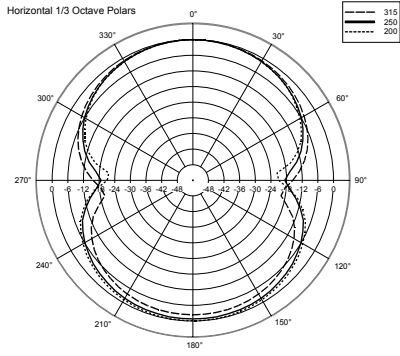


BD 2412EN

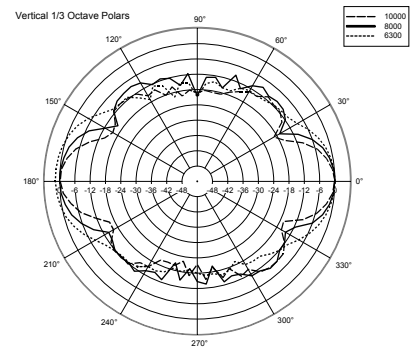
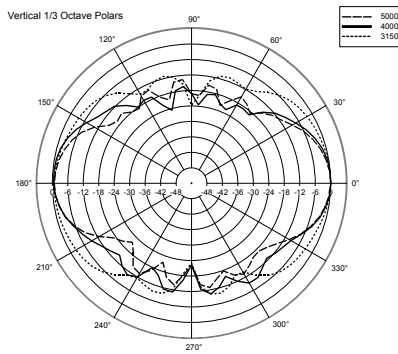
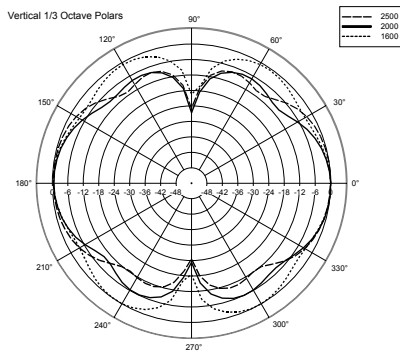
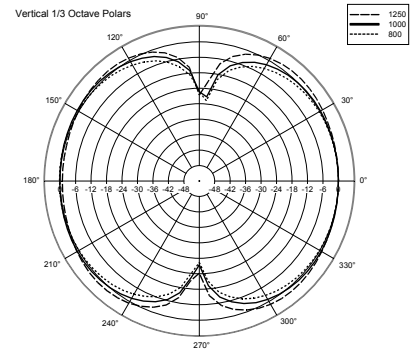
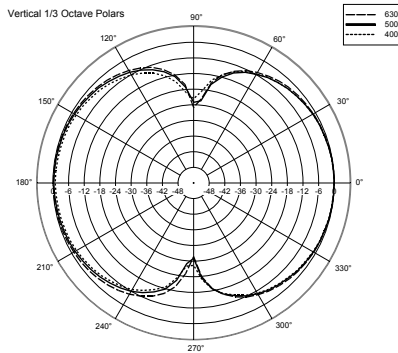
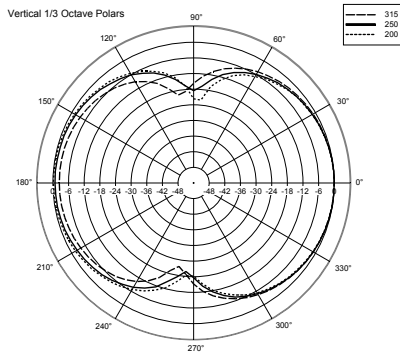


BD 2412EN

HORIZONTAL 1/3 POLAR PLOT



VERTICAL 1/3 POLAR PLOT

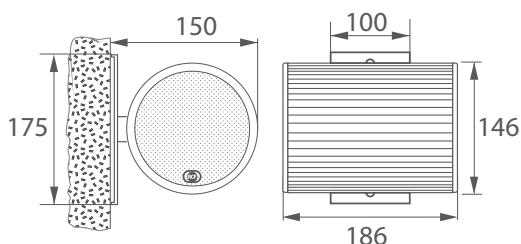


BD 2412EN

PART NUMBERS

131.33.074

DIMENSIONS (All data are in mm)



INSTALLATION NOTES

Ensure the support surface (walls, ceilings, etc.) has the necessary mechanical characteristics to support the weight of the loudspeaker.

Make connections as described in the dedicated manual section.

To ensure a correct musical reproduction, loudspeaker phase is to be respected (loudspeakers are connected respecting the amplifier polarity).

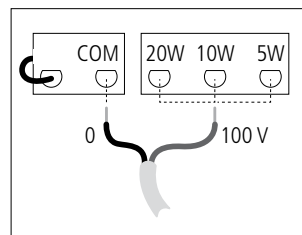
To prevent inductive effects from causing hum, noise and a bad system working, loudspeaker lines should not be laid together with other electric cables (mains), microphone or line level signal cables connected to amplifier inputs.

BD 2412EN can be installed both indoors and outdoors.

POWER SELECTION

Connect the positive wire (100 V) to the loudspeaker input corresponding to the chosen power rate among 20W – 10W – 5W. Connect the negative wire (0) to the COM loudspeaker input.

If connecting to a 70 V line, all power rates will be halved (10 – 5 – 2.5 W).



CERTIFICATIONS AND APPROVALS

- EN 54-24:2008 compliant