

# The B8 subwoofer



## B8 subwoofer

The B8-SUB is an actively driven, compact, high performance subwoofer. The cabinet houses two 6.5" LF driver with ferrite magnets in a bass-reflex design. Its frequency response extends from 43 Hz to 170 Hz/125 Hz.

The enclosure is constructed from marine plywood with an impact resistant black paint finish. The front of the cabinet is protected by a rigid metal grill backed by an acoustically transparent foam.

Four rubber feet prevent cabinet movement and protect the bottom panel against scratching.

On the rear, the cabinet incorporates a handle and an M20 threaded flange in the top panel that accepts the d&b Z5013 Loudspeaker stand for the deployment of applicable d&b full range cabinets with a maximum weight of 8 kg (17.6 lb) - e.g. d&b E4, E5, E6 or 16C.

Two M8 threaded inserts are incorporated, one on each side panel to allow the attachment of a dedicated horizontal bracket.

## d&b amplifiers

The d&b audiotechnik loudspeaker range is designed exclusively for operation with d&b amplifiers. These provide power as well as comprehensive control and protection functions tailored to achieve the performance, reliability and longevity associated with the d&b system approach.

The d&b D20 amplifier is recommended to drive the B8-SUB with the appropriate loudspeaker setup selected. The d&b D6, D80, 10D and 30D amplifiers can also be used.

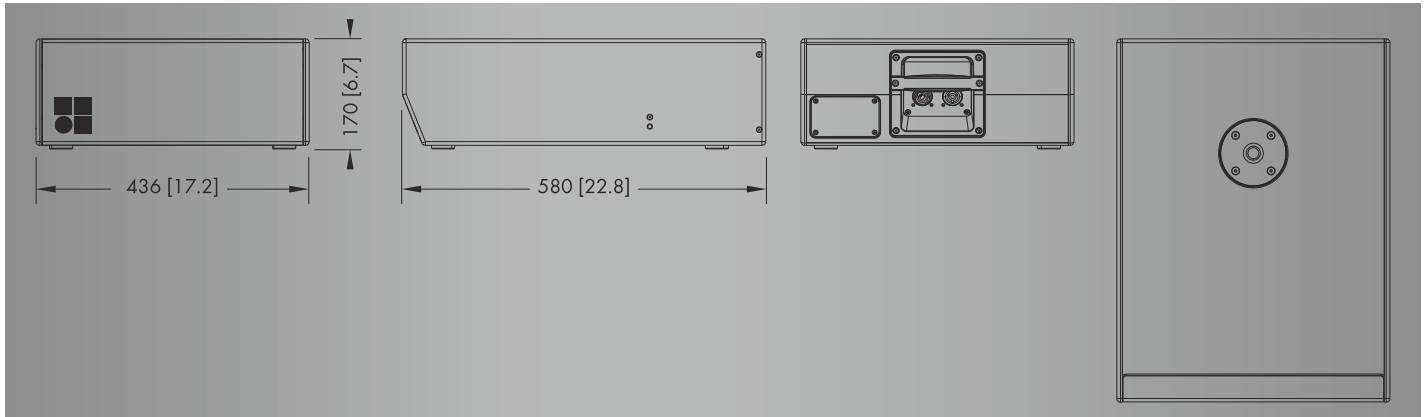
## System data

Frequency response (-5 dB standard) .....	43 Hz - 170 Hz
Frequency response (-5 dB 100 Hz mode) .....	43 Hz - 125 Hz
Max. sound pressure (1 m, free field) .....	
with D6/10D .....	120 dB
with D20/30D .....	122 dB
with D80 .....	122 dB
..... (SPLmax peak, pink noise test signal with crest factor 4)	

## Loudspeaker data

Nominal impedance .....	8 ohms
Power handling capacity (RMS/peak 10 ms) .....	200/800 W
Components .....	2 x 6.5" driver with ferrite magnet
Connections .....	NLT4 F/M
.....	optional 2 x NLT4 M
Weight .....	18 kg (39 lb)

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**B8-SUB cabinet dimensions in mm [inch]**

## B8-SUB features and benefits

- Ultra-compact high performance subwoofer
- Two 6.5" drivers built into a bass-reflex design
- Compatible with all current d&b amplifiers
- SPLmax 122 dB
- Can be flown or ground stacked horizontally or vertically
- Unobtrusive cabinet design ensures visual integration within any permanent installation

## Applications

- Conference/presentation/teaching facilities
- Music and live program reinforcement for permanent installations
- Houses of worship
- Cruise ships
- Corporate and industrial rental
- Musical theater rental

## Architectural specifications

The B8-SUB shall be an actively driven, compact, high performance subwoofer.

The cabinet shall consist two 6.5" LF driver with ferrite magnets in a bass-reflex design.

The loudspeaker shall only be operated by a dedicated, compatible controller amplifier.

The cabinet enclosure shall be made from marine plywood with an impact resistant paint finish.

The driver shall be protected by a rigid metal grill backed by an acoustically transparent foam.

The cabinet shall incorporate one handle at the cabinet's rear.

A M20 threaded insert shall be incorporated in the top panel to accept a loudspeaker stand and shall allow a maximum top load of 8 kg (17.6 lb).

Four rubber feet shall be incorporated in the bottom panel to prevent the cabinet from movement and protect the bottom panel against scratching.

Two M8 threaded inserts shall be incorporated, one on each side panel to allow the attachment of dedicated flying or horizontal brackets.

The connection panel on the back shall be integrated in the rear handle and fitted with speakon NLT4 F/M sockets.

The power handling capacity shall be 200 W RMS and 800 W peak (10 ms). The frequency response (-5 dB) measured on axis shall be 43 Hz to 170 Hz with a maximum sound pressure of at least 122 dB. In addition a 100 Hz mode setup shall be provided with the upper operating frequency reduced down to 125 Hz to supplement applicable full-range systems.

The dimensions (W x H x D) shall not exceed 440 x 170 x 580 mm (17.3" x 6.7" x 22.8") and shall weigh no more than 18 kg (39 lb).

The loudspeaker shall be the B8-SUB by d&b audiotechnik GmbH.