The 18S-SUB loudspeaker



18S-SUB loudspeaker

The 18S-SUB is a compact high performance subwoofer for use with d&b xS-Series loudspeakers. The cabinet houses a long excursion 18" neodymium driver in a bass-reflex design.
The frequency response extends from 37 Hz to 140/100 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 and is Ball Impact Resistant according to DIN 18032-3.
The cabinet is equipped with four rubber feet to prevent cabinet movement and protect the bottom panel against scratching.

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.

System data

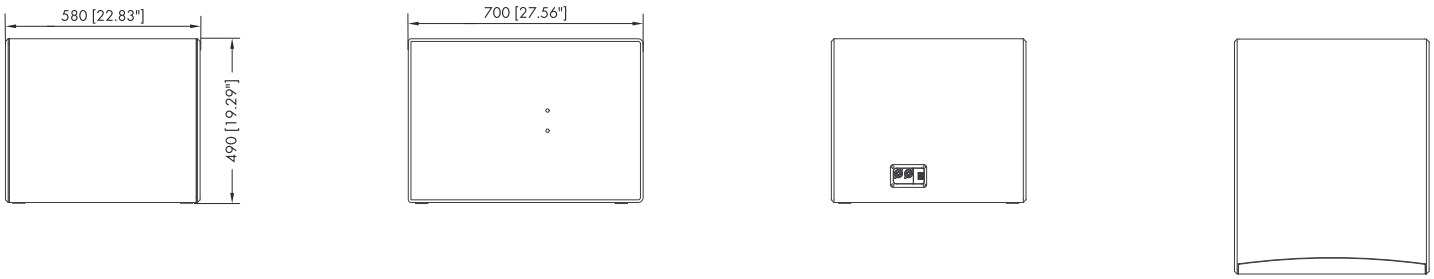
Frequency response (–5 dB standard) ..... 37 Hz - 140 Hz
Frequency response (–5 dB 100 Hz mode) ..... 37 Hz - 100 Hz
Max. sound pressure (single cabinet, 1 m, free field) .....
with 10D/D6 ..... 129 dB
with 30D/40D/D12/D20/D40/D80 ..... 132 dB
..... (SPLmax peak, pink noise test signal with crest factor of 4)

Loudspeaker data

Nominal impedance ..... 8 ohms
Power handling capacity (RMS/peak 10 ms) ..... 400/1600 W
Components ..... 1 x 18" driver
Connections ..... 2 x NL4
..... 1 x screw terminal (ST - up to 4 mm^2/AWG 11)
..... WR option: Faston type connector (2 x 6.3 mm)
Pin assignment ..... NL4: 2+/2–
..... WR option: brown + / blue –
Weight ..... 32 kg (71 lb)

d&b audiotechnik®

The 18S-SUB loudspeaker



18S-SUB cabinet dimensions in mm [inch]

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Architectural specifications

The loudspeaker shall consist of a 18" long excursion low frequency neodymium driver in bass-reflex design.
The enclosure shall be made from marine plywood with an impact resistant black paint finish. Special colours according to RAL table and a weather resistant option shall be available upon request. The drivers shall be protected by a powder coated metal grill with an acoustically transparent foam.
The cabinet shall be Ball Impact Resistant according to DIN 18032-3 for schools and sports halls.
The cabinet shall incorporate two M10 threaded inserts on each side panel for the secure attachment of brackets.
The connection panel on the back shall be recessed and fitted with two NL4 sockets and a two pole screw terminal block. A cover plate for protection of the connection panel shall be included.
The loudspeaker shall only be operated by a dedicated, compatible controller amplifier.
The power handling capacity shall be 400 W RMS and 1600 W peak (10 ms). The frequency response (–5 dB) measured on axis shall be 37 Hz to 140 Hz with a maximum sound pressure of at least 129 dB or 132 dB respectively when operated with one of its dedicated controller amplifiers. The dimensions (W x H x D) shall not exceed 580 x 580 x 700 mm (22.83" x 19.29"x 27.56") and shall weigh no more than 32 kg (71 lb).

The loudspeaker shall be the 18S-SUB by:
d&b audiotechnik GmbH & Co. KG.