

The 5S loudspeaker



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The 5S cabinet is a light-weight 2-way passive loudspeaker using coaxially mounted, wide dispersion dome tweeters. The coaxial design offers a symmetrical dispersion pattern in the horizontal and vertical plane while the cabinets may be mounted in either direction. The 5S comprises a 5" ferrite LF driver in a bass-reflex enclosure covering the range from 80 Hz to 20 kHz.

The loudspeaker can be used stand-alone or supplemented by different subwoofers of the xS-Series.

The enclosures are injection molded with an impact resistant black paint finish. The front of the loudspeaker cabinet is protected by a rigid metal grill backed by an acoustically transparent foam.

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.

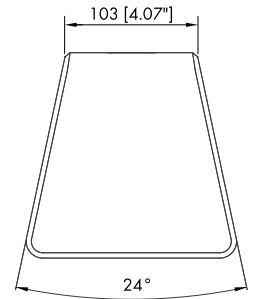
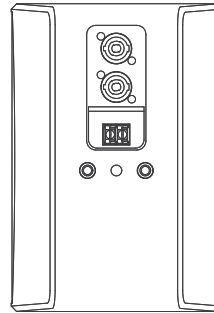
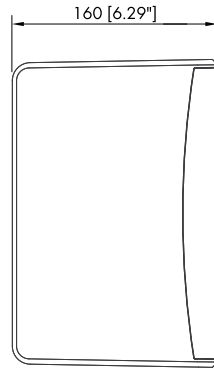
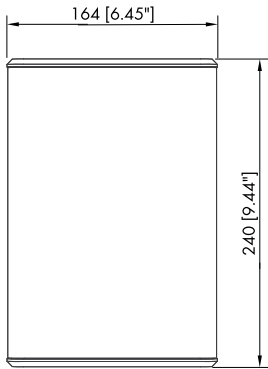
System data

Frequency response (-5 dB standard mode)	80 Hz - 20 kHz
Frequency response (-5 dB CUT mode)	130 Hz - 20 kHz
Max. sound pressure (1 m, free field)	
with 10D/D6	117 dB
with 30D/40D/D12/D20/D40/D80	118 dB
.....(SPLmax peak, pink noise test signal with crest factor of 4)	

Loudspeaker data

Nominal impedance	16 ohms
Power handling capacity (RMS/peak 10 ms)	60/400 W
Nominal dispersion angle (hor. x vert.)	100° conical
Components	5" driver with ferrite magnet
.....	1" dome tweeter, coaxially mounted
.....	Passive crossover network
Connections	2 x NL4
.....	1 x screw terminal block (ST - up to 4 mm ² /AWG 11)
.....	WR option: Faston type connector (2 x 6.3 mm), female
Pin assignments	NL4: 1+/1-
.....	WR option: Brown: (+) / Blue: (-)
Weight	2.5 kg (5.5 lb)

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5S cabinet dimensions in mm [inch]

Architectural specifications

The 2-way, passive loudspeaker shall consist of a 5" low frequency driver with a ferrite magnet assembly and a coaxially mounted 1" dome tweeter. The bass-reflex enclosure shall be made from marine plywood with an impact resistant black or white paint finish. Special colours according to RAL table shall be available upon request. The cabinet shall be rated IP34 as a minimum. The drivers shall be protected by a powder coated metal grill with an acoustically transparent foam. The cabinet shall incorporate two M8 threaded inserts on the rear panel for the secure attachment of wall mounts. 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 have a nominal conical dispersion angle of 100°.

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

The power handling capacity shall be 60 W RMS and 400 W peak (10 ms).

The frequency response (-5 dB) measured on axis shall be 80 Hz to 20 kHz with a maximum sound pressure of at least 117 dB or 118 dB respectively when operated with one of its dedicated controller amplifiers. The dimensions (W x H x D) shall not exceed 164 x 240 x 160 mm (6.45" x 9.44" x 6.29") and shall weigh no more than 2.5 kg (5.5 lb).

The loudspeaker shall be the 5S by:
d&b audiotechnik GmbH & Co. KG.