The 8S loudspeaker

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The 8S is a full range, 2-way loudspeaker in a bass-reflex enclosure, utilizing an 8"/1" coaxial driver combination with a passive crossover. The coaxial design offers a symmetrical dispersion pattern in the horizontal and vertical plane while the cabinet may be mounted in either attitude. With its frequency response from 70 Hz to 20 kHz the 8S can be used as a full range system or can be supplemented by different subwoofers from the xS-Series.

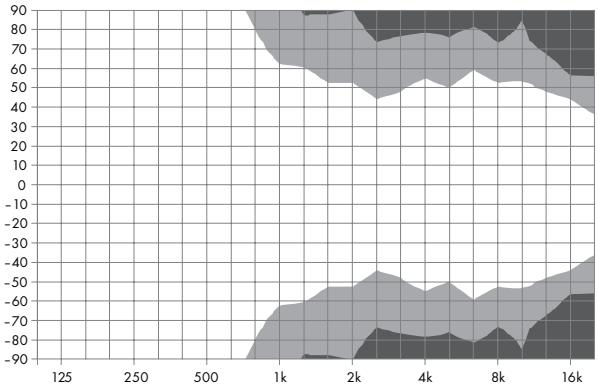
The enclosure is constructed from marine plywood with an impact resistant black paint finish. The front of the loudspeaker cabinet is protected by a rigid metal grill backed by an acoustically transparent foam. The top and bottom panels incorporate an M8 threaded insert, whilst the rear panel incorporates two.

System data

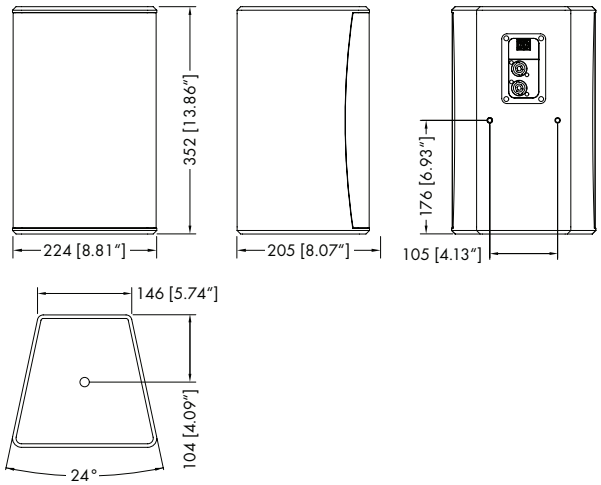
Frequency response (–5 dB standard)..... 70 Hz - 20 kHz
Frequency response (–5 dB CUT mode)..... 110 Hz - 20 kHz
Max. sound pressure (1 m, free field)[1].....
with D6 ..... 124 dB
with D12 ..... 127 dB
Input level (100 dB SPL/1 m) ..... –10 dBu

Loudspeaker data

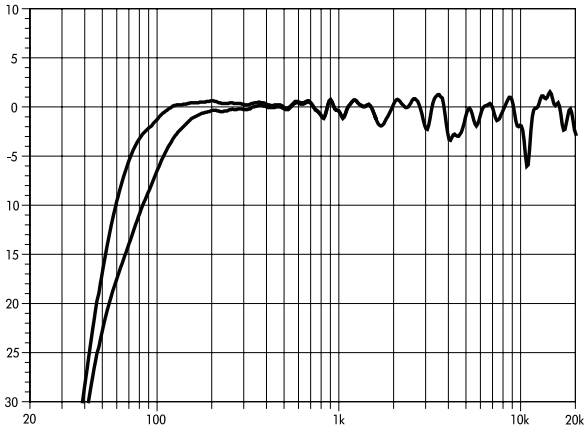
Nominal impedance..... 16 ohms
Power handling capacity (RMS/peak 10 ms)..... 150 W/800 W
Nominal dispersion angle..... 100° conical
Components.....8" driver with neodymium magnet
..... 1" compression driver coaxially mounted
..... Passive crossover network
Connections ..... 2 x NL4
..... screw terminal block
Pin assignments.....NL4: 1+/1–
Weight..... 7.4 kg (16 lb)



8S dispersion characteristics[2]



8S cabinet dimensions in mm (inch)



8S frequency response, standard and CUT modes

1 Broadband measurement, pink noise, crest factor 4, peak measurement, linear weighting
2 Dispersion angle vs frequency plotted using lines of equal sound pressure (isobars) at –6 dB and –12 dB