The 10S/10S-D loudspeakers

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The biaxial 10S/10S-D are high performance 2-way loudspeakers employing a single 10" driver in a bass-reflex enclosure and different HF sections for a wide range of installed sound applications. All models are lightweight passive designs using neodymium drivers and large horns for accurate pattern control. The 10S/10S-D are single box solutions providing rotatable dispersion characteristics of 75° x 50° and 110° x 55° respectively.

With their frequency response from 60 Hz to 18 kHz both versions can be used as full range systems and can also be supplemented by different subwoofers from the xS-Series.

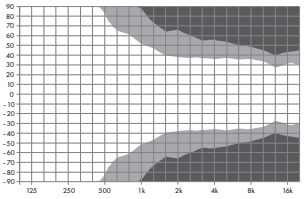
The enclosures are constructed from marine plywood with an impact resistant black paint finish and are Ball Impact Resistant according to DIN 18032-3 for schools and sports halls. The front of the loudspeaker cabinets are protected by a rigid metal grill backed by an acoustically transparent foam. The top and bottom panels incorporate a pair of M10 threaded inserts, whilst the rear panel incorporates two M8 threaded inserts.

System data

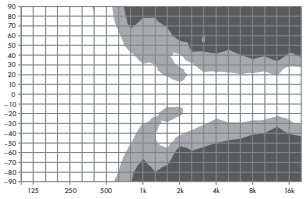
Frequency response (–5 dB standard) ..... 60 Hz - 18 kHz
Frequency response (–5 dB CUT mode) ..... 100 Hz - 18 kHz
Max. sound pressure (1 m, free field)[1] .....
10S/10S-D with D6 ..... 127 dB
10S/10S-D with D12 ..... 130 dB
Input level (100 dB SPL/1 m) ..... –12 dBu

Loudspeaker data

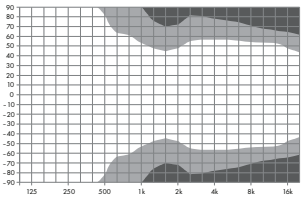
Nominal impedance ..... 12 ohms
Power handling capacity (RMS/peak 10 ms) .....200 W/1200 W
Nominal dispersion angle 10S/10S-D (h x v) .....
..... 75° x 50°/110° x 55° rotatable
Components ..... 10" driver with neodymium magnet
..... 1.4" compression driver
..... Passive crossover network
Connections ..... 2 x NL4
..... screw terminal block
Pin assignments ..... NL4: 1+/1–
Weight ..... 13 kg (29 lb)



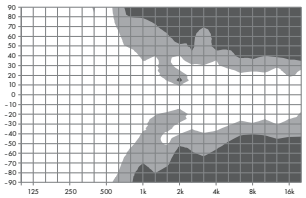
10S horizontal dispersion characteristics[2]



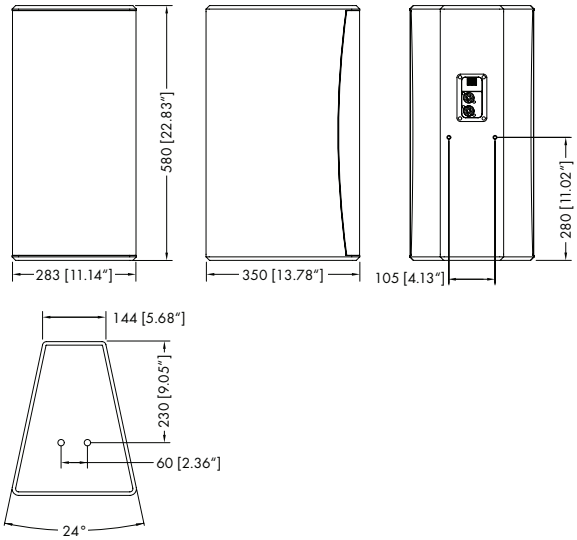
10S vertical dispersion characteristics[2]



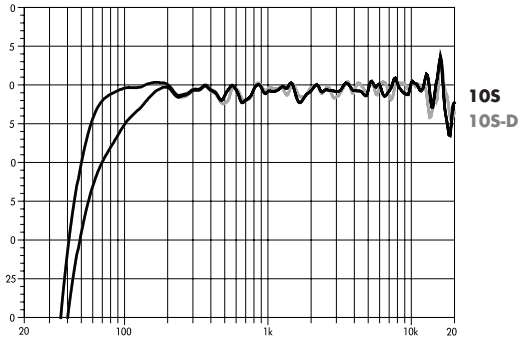
10S-D horizontal dispersion characteristics[2]



10S-D vertical dispersion characteristics[2]



10S/10S-D cabinet dimensions in mm (inch)



10S/10S-D 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