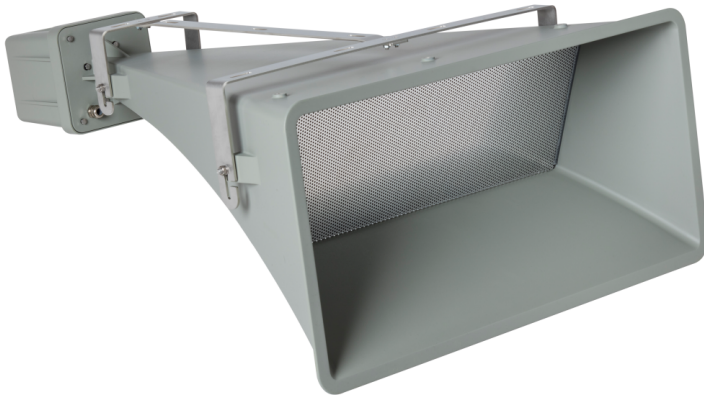




ESS-2200 A Emergency-Surface-System



EN 54 24



- high sound pressure level
- weather proof
- BS 5839



EN 54-24:2008
Ref. Nr.: 01A-17
ID-Code: AD1-17
1438-CPR-0539

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CE-Symbol gemäß Richtlinie 93/68EWG

APPLICATION

- Public Address and Voice Alarm

AREA OF USE

- Health • Education • Retail • Hospitality
- Stadiums • Transportation • Theme parks • Military

OVERVIEW

The 120 W Emergency-Surface-System ESS-2200 A has been developed for areas with extreme high ambient noise and is suitable for indoor and outdoor application, such as tunnels.

It is built to withstand corrosive atmospheric contaminants, high moisture levels and temperature extremes. The horn provides an enormous sound pressure level, a very balanced frequency response and also a very low distortion.

The ESS-2200 A with a flame retardant ABS plastic housing in RAL 7023 (concrete grey) and IP 66 protection is also equipped with a ceramic block and thermal fuse. Sturdy installation by rust-free stainless steel brackets and screws.

The Emergency-Surface-Fixture-Set ESS-2210 A enables the installation by only one person.

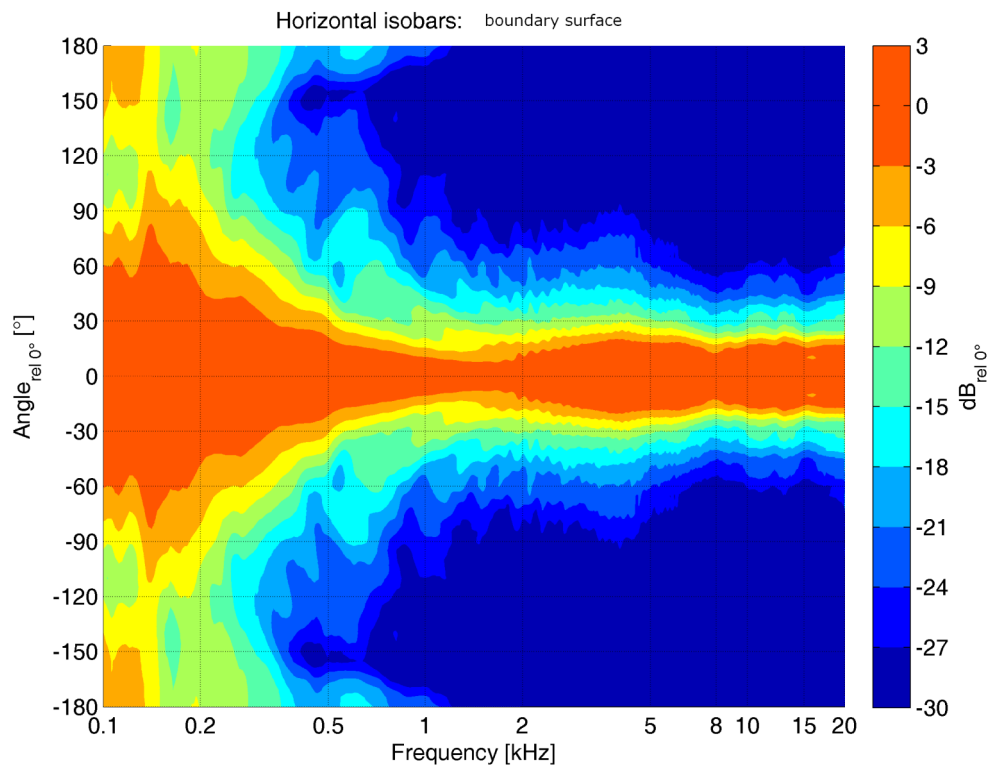
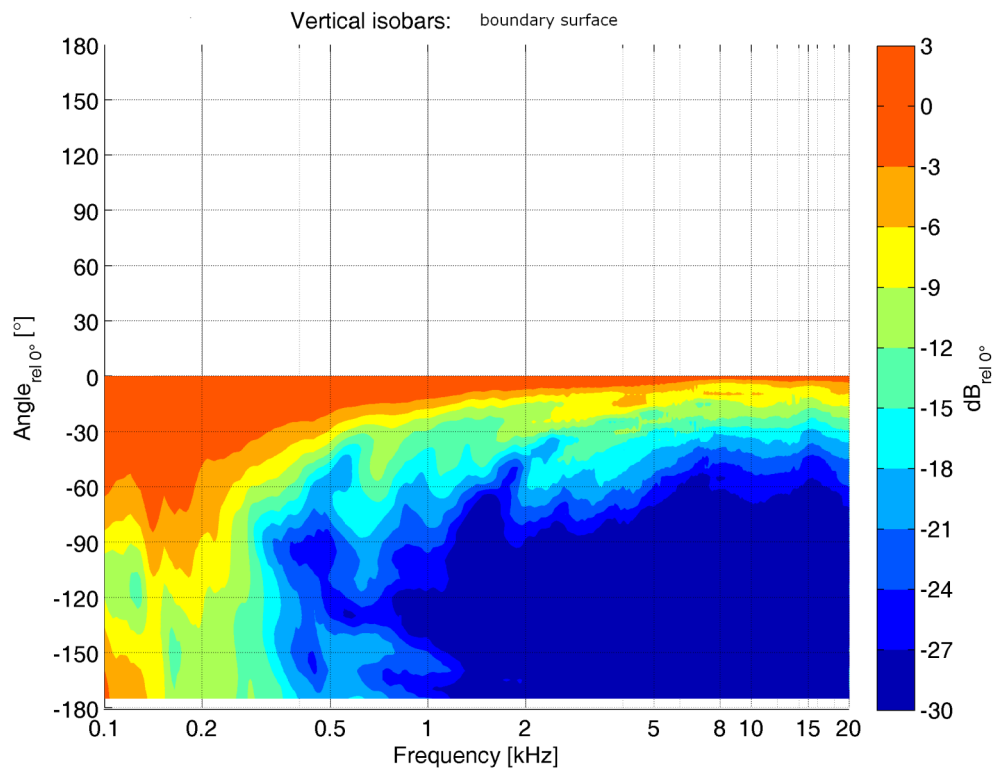
This boundary horn speaker provides intelligible voice notifications over great distance, resulting in a lower number of loudspeakers which are required.

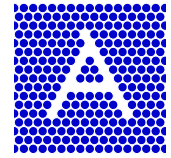
The product is a certified voice alarm speaker according to EN54-24.

The Emergency-Surface-Voice-Coil-Replacement-Set ESS-2220 is available as an option.

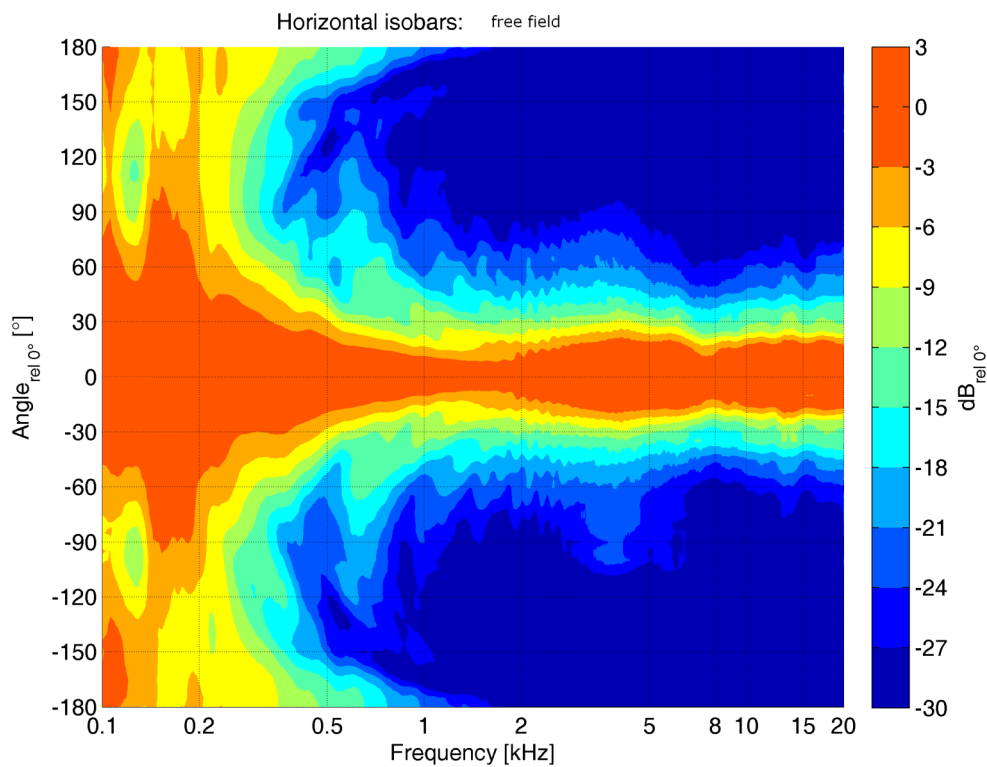
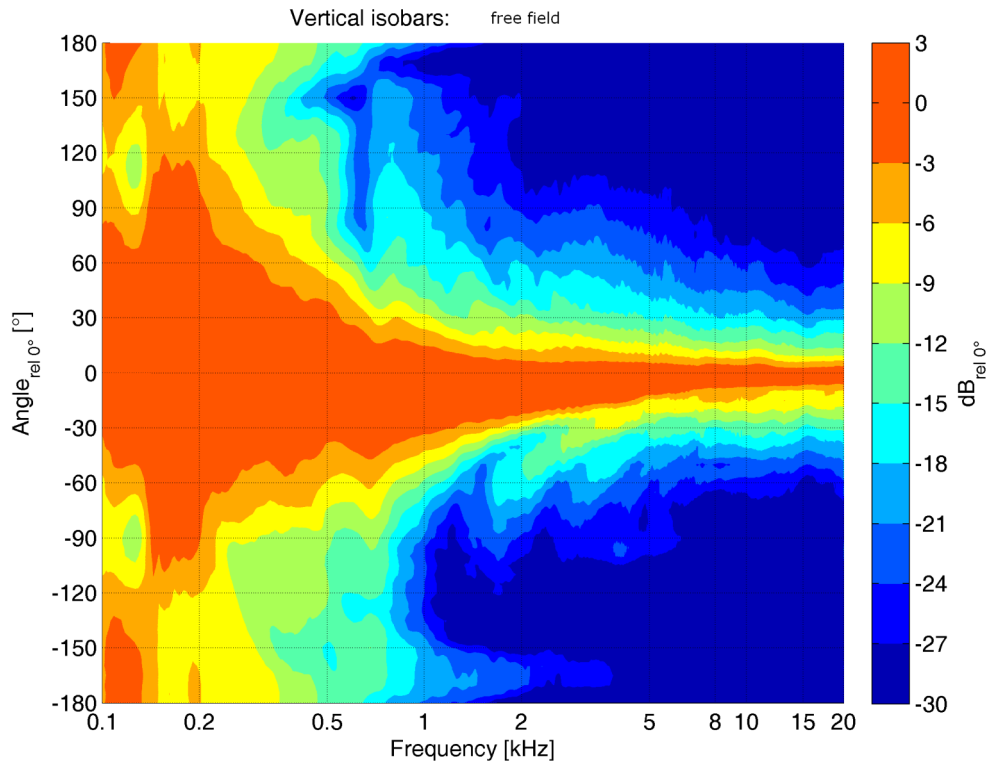


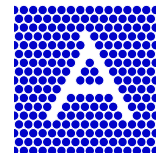
POLAR DIAGRAMS



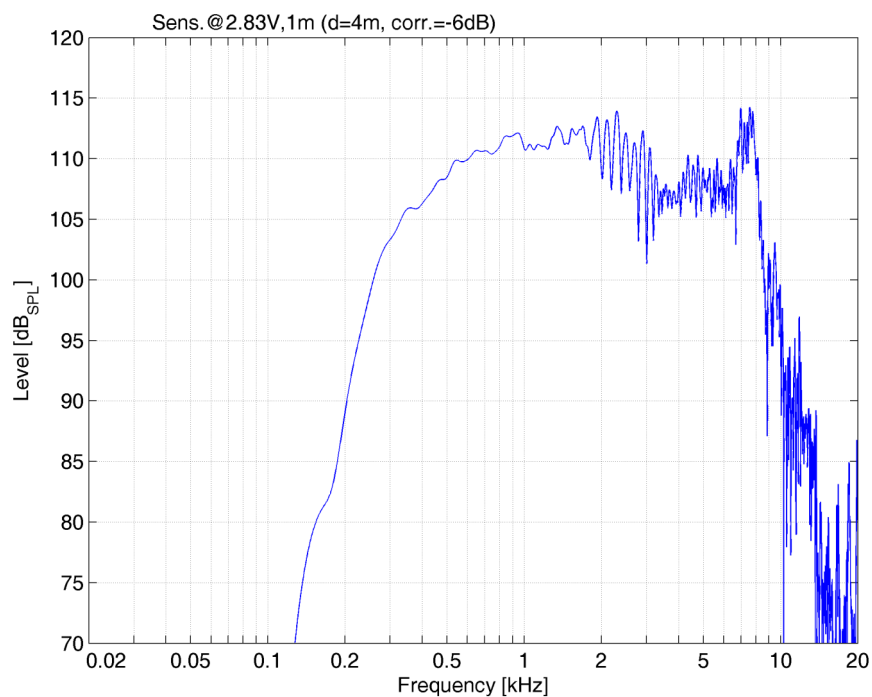


POLAR DIAGRAMS



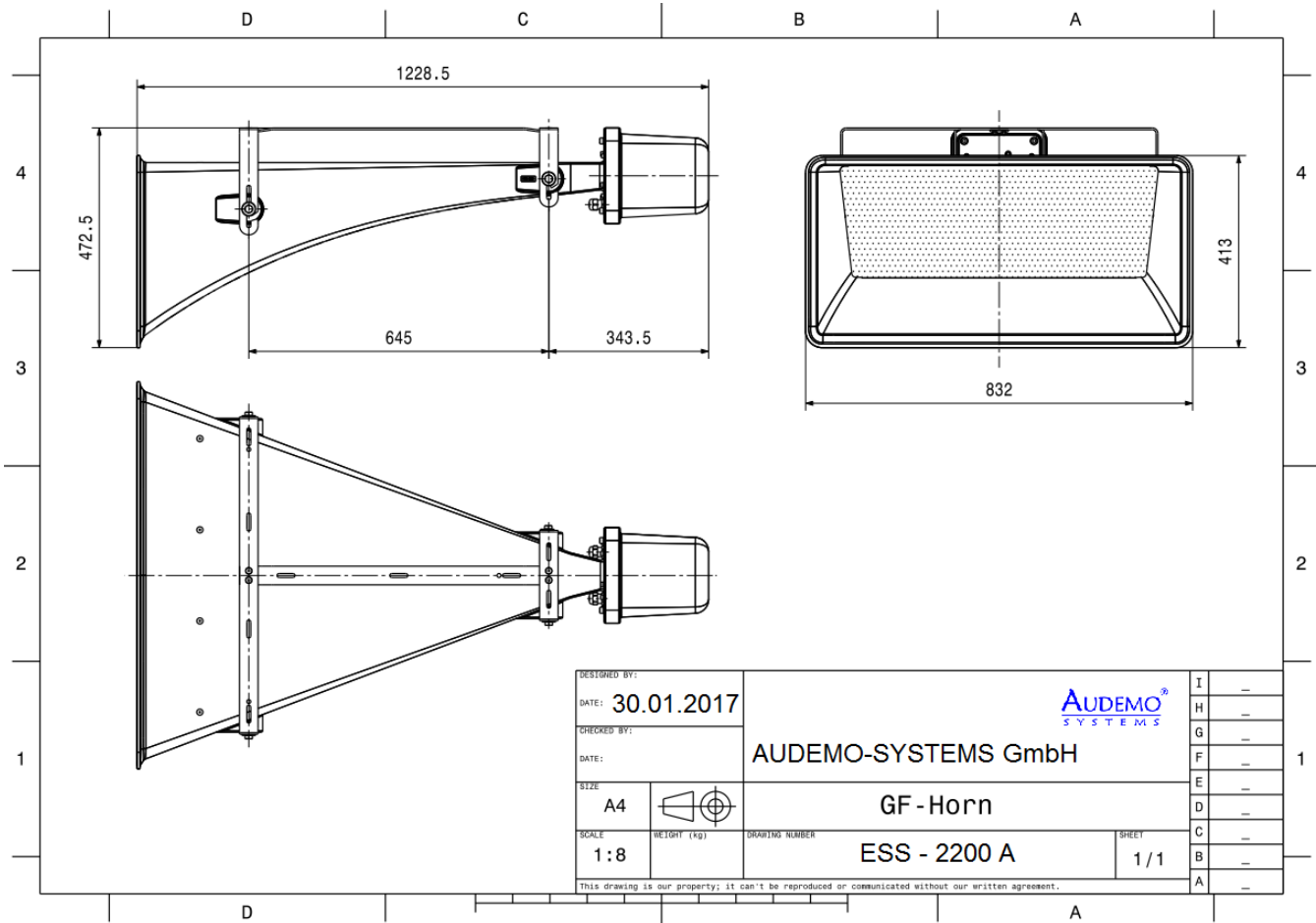


FREQUENCY RESPONSE DIAGRAMS





TECHNICAL DIAGRAMS





TECHNICAL DATA (ELECTRICAL)

Description	ESS-2200 A
Power	120/60/30W
Impedance (100V)	83 / 167 / 333 ohm
Frequency Range	280 ~ 9000 Hz
Frequency Response	250 ~ 10000 Hz
Sensitivity 1W/1m, peak	119 dB
Sensitivity , 1W/4m, peak	107 dB
Sensitivity Pmax/4m, peak	128,2 dB
Sensitivity, rated noise power / 4m	120 dB
Sensitivity EN54-24, 1W/4m	96,0 dB
Dispersion -6dB, 500Hz	h/v 58° / 35°
Dispersion -6dB, 1KHz	h/v 35° / 25°
Dispersion -6dB, 2KHz	h/v 40° / 20°
Dispersion -6dB, 4KHz	h/v 54° / 15°

TECHNICAL DATA (MECHANICAL)

Dimensions	1228 x 832 x 413 mm
IP Rating	IP66
Weight (net)	17,5 kg
Temperature range	-25 ~ +70 °C
Mounting	V5A- mounting brackets (Emergency-Surface-Fixture-Set) ESS-2210 A
Connector	4 pin ceramic block
Colour	RAL 7023 (concrete grey)

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PADES  [®] 2000-Series

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