



CSFS-AB-06W-200

6 Watts Ceiling Loudspeaker



EN 54 24



- Quick mounting
- Highest reliability
- BS 5839



EN 54-24:2008
Ref. Nr.: 010-14
ID-Code: SAA-LS01
0068-CPR-203/2024

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CE-Symbol gemäß Richtlinie 93/68EWG

APPLICATION

- Public Address and Voice Alarm
- Background Music
- Audio Visual

AREA OF USE

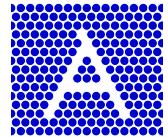
- Health
- Education
- Retail
- Hospitality
- Stadiums
- Transportation
- Theme parks
- Military

OVERVIEW

The CSFS-AB-06W-200 is designed with two independent speakers and 100V transformers to enable an economic operation of two separated speaker lines (A/B-lines) for highest security demands. In case of a failure of one speaker line the redundancy of the speakers and the transformers will guarantee unimpaired function. The speaker is also compliant with the British Standard BS 5839, Part 8.

The 2x6W powered speaker is equipped with two full-range loudspeakers and two 100V transformer with 3 power adjustments, each. The powder coated metal similar in RAL 9010 guarantees long-term stability. For additional safety a 2-pin ceramic connector block, thermal fuses are provided and the speaker chassis are impregnated against dampness. Protection class IP 55 secures the speaker against the impact of environmental influences..

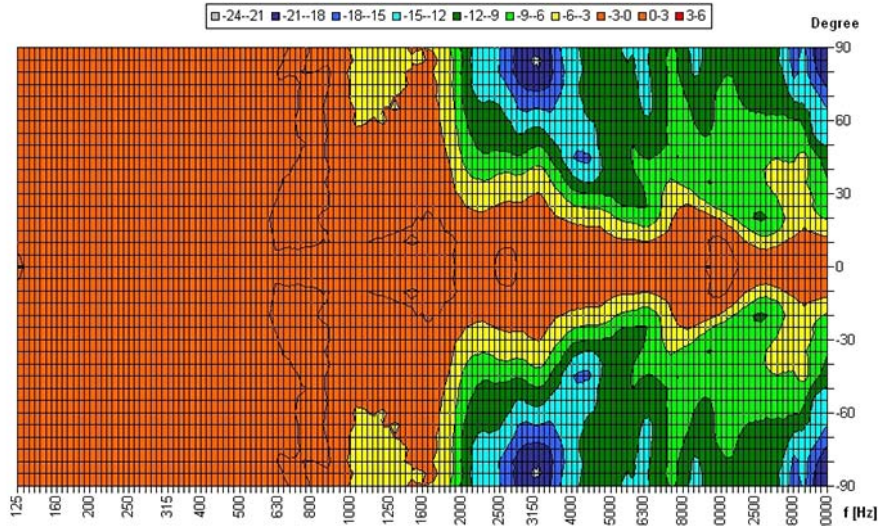
Quick and easy mounting with spring clamps and short tension distance. The connecting cables can be supplied by 4 rubber grommets in the fire dome. Special paint of the speaker in 4-digit RAL- or NCS- colour available at extra cost. The fire dome is included in the delivery. This speaker is suitable for a ceiling strength of about 10-45 mm. Our specification is primarily related to solid ceilings, for ceilings with soft materials a higher ceiling thicknesses could be necessary. In addition, stronger cables and other fittings may also result in changes of the appropriate setup. With regard to the variety of materials and manufacturers, we recommend to build in a sample of the speaker to match the requirements accurately.



POLAR DIAGRAMS

Horizontal Isobars single

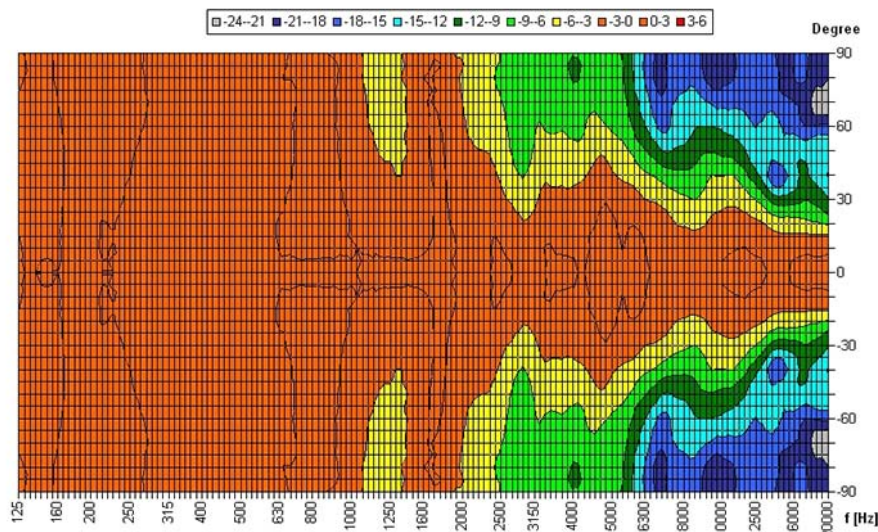
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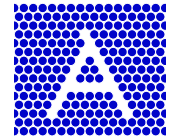
Parameters: Cyclic Move: 0° ; Symmetry: 0..+180 sym ; Freq.Smooth: 1/3 Oct ; Ang.Resol.: 5° ; Rel. to: 0° Axis 0°

Vertical Isobars single

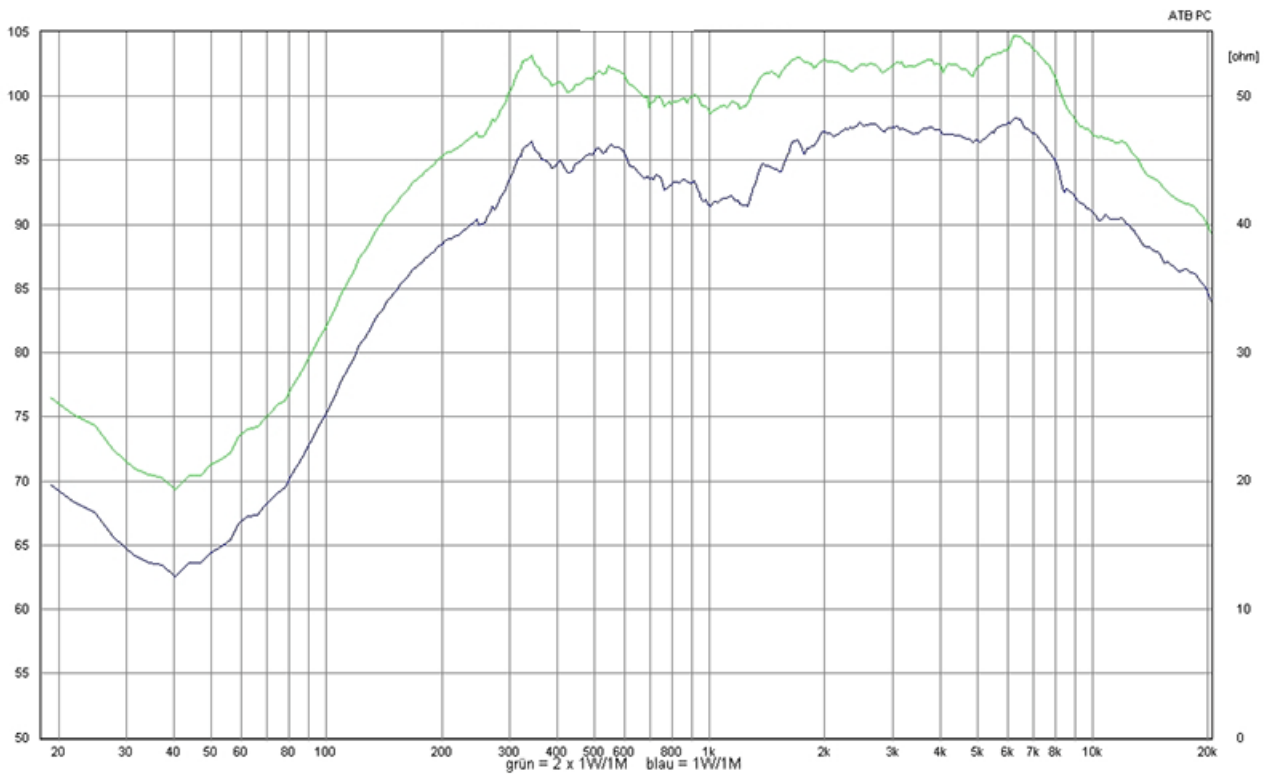
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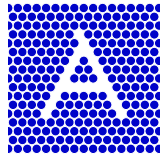


Parameters: Cyclic Move: 0° ; Symmetry: 0..+180 sym ; Freq.Smooth: 1/3 Oct ; Ang.Resol.: 5° ; Rel. to: 0° Axis 0°

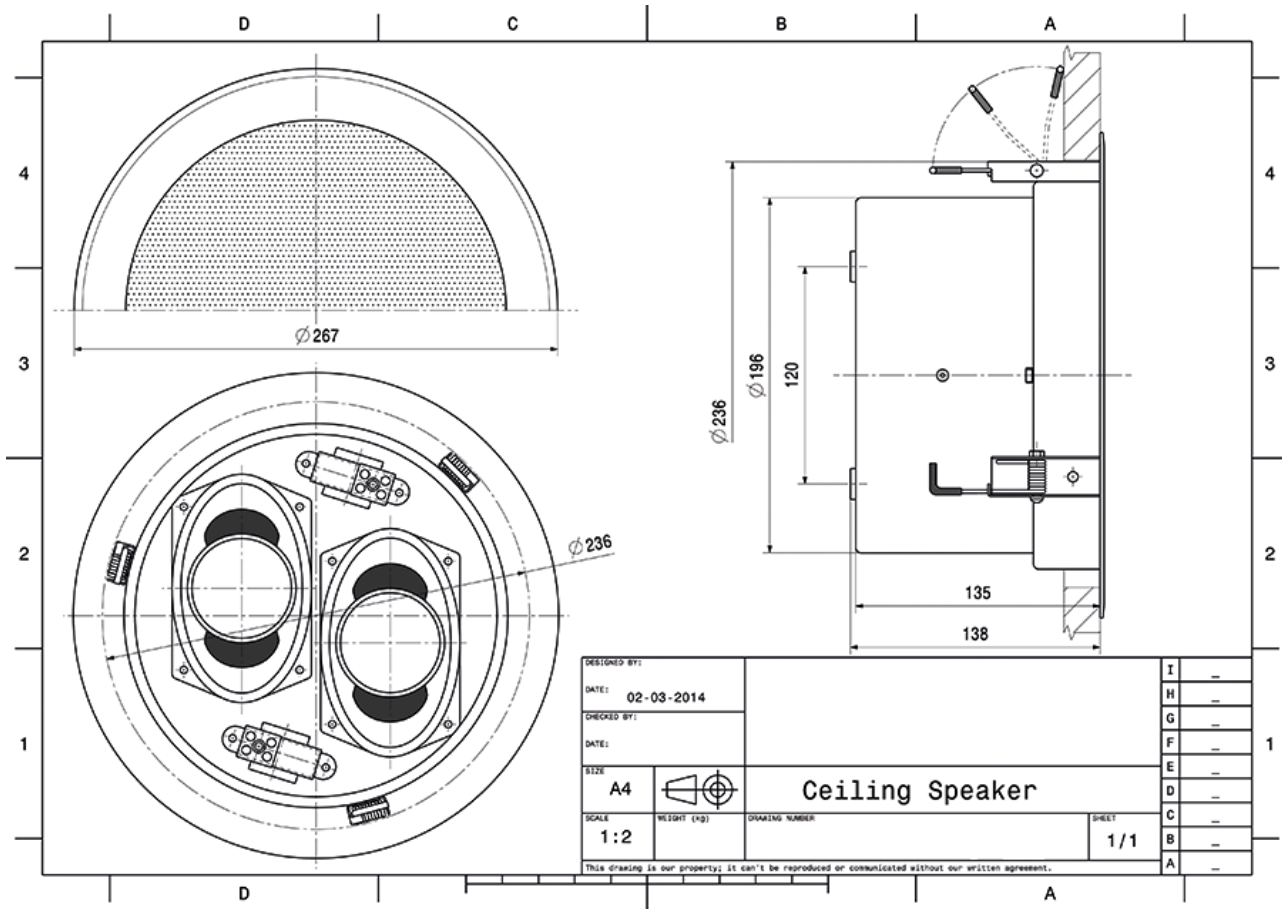


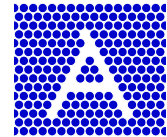
FREQUENCY RESPONSE DIAGRAMS





TECHNICAL DIAGRAMS





TECHNICAL DATA (ELECTRICAL)

Description	CSFS-AB-06W-200
Power	2x6/3/1,5 W
Impedance (100V)	2 x 1667/3333/6667 ohm
Frequency Range	162 - 18.600 Hz (single) / 159 - 16.000 Hz (double)
Frequency Response	125 - 23.500 Hz (single) / 120 - 23.500 Hz (double)
Sensitivity, IEC268-5, 1W/1m	89,0 dB
Sensitivity EN54-24, Pmax/4m	85,0 dB (single) / 91,0 dB (double)
Sensitivity EN54-24, 1W/4m	77,0 dB
Sensitivity EN54-24, 1W/1m	89,0 dB
Sensitivity 1W/1m @ 1KHz	95 dB
Dispersion -6dB, 500Hz	single h/v 180° / double h/v 180°
Dispersion -6dB, 1KHz	single h/v 160° / double h/v 160°
Dispersion -6dB, 2KHz	single h/v 120° / 160° / double h/v 75° / 90°
Dispersion -6dB, 4KHz	single h/v 65° / 120° / double h/v 40° / 60°

TECHNICAL DATA (MECHANICAL)

Dimensions	268x136 mm
IP Rating	IP55
Weight (net)	2,16 kg
Temperature range	-10 / +55 °C
Mounting	Snap system
Connector	2-pin ceramic block
Terminal diameter	3,2 mm
Maximum cable cross section	8mm ² (single)
Colour	RAL 9010

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