



DL-AB 06-200/T-EN54

- Quick mounting
- Highest reliability
- BS 5839

EN54

CE
11

EN 54-24:2008
Ref. Nr.: 010-14
ID-Code: SAA-LS01
1438-CPR-1119

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68307 Mannheim, Germany

CE-Symbol gemäß Richtlinie 93/68EWG

The DL-AB 06-200/T-EN54 is designed with two independent speakers and 100V transformers to enable an economic operation of two separate speaker lines (A/B lines) for the 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 transformers with 3 power adjustments, each. The powder-coated metal version with perforated grid cover in RAL 9010 guarantees lasting stability. For additional safety, a 2-pin ceramic connector block, and 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 is 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 higher ceiling thicknesses could be necessary. In addition, stronger cables and other fittings may also result in changes in the appropriate setup. With regard to the variety of materials and manufacturers, we recommend building a sample of the speaker to match the requirements accurately.

Product	DL-AB 06-200/T-EN54
Article No	20102182

Acoustics

Power	2x 6/3/1,5 W
Impedance (100V)	2 x 1667/3333/6667 ohm
Speaker ø	200 mm
Frequency Range	162 - 18.600 Hz (single) | 159 - 16.000 Hz (double)
Frequency Response	125 - 23.500 Hz (single) | 120 - 23.500 Hz (double)
SPL 1W/1m, peak	98,4 dB (single) | 104,8 dB (double)
SPL 1W/4m, peak	86,4 dB (single) | 92,8 dB (double)
SPL Pmax/4m, peak	94,1 dB (single) | 100,5 dB (double)
SPL IEC268-5, 1W/1m	89,0 dB
SPL IEC268-5, Pmax/1m	96,8 dB (single) | 99,8 dB (double)
Sensitivity EN54-24, 1W/1m	89,0 dB
Sensitivity EN54-24, 1W/4m	77,0 dB
Dispersion -6dB, 500Hz	180° h/v (s/d)
Dispersion -6dB, 1KHz	160° h/v (s/d)
Dispersion -6dB, 2KHz	120°/160° h/v (single) | 75°/90° h/v (double)
Dispersion -6dB, 4KHz	65°/120° h/v (single) | 40°/60° h/v (double)

Connections and Housing

Connector	2-pin ceramic block
Terminal Diameter	3,2 mm
Maximum Cable Passage	8 mm² (single)
Max. cable cross section loop	2x2 mm² (single)
Temperature Range	-10 / +55 °C
Type A/B	A
Dimensions	267x138 mm
Ceiling Cut-out	243 mm
Weight (net)	2,24 kg
Housing	metal
Built-in depth	135 mm
Colour	RAL 9010
Mounting	Snap system
IP Rating	IP55

Certification

Ref. Nr.	010-14
ID-Code	SAA-LS01
Certificate Number	1438-CPR-1119

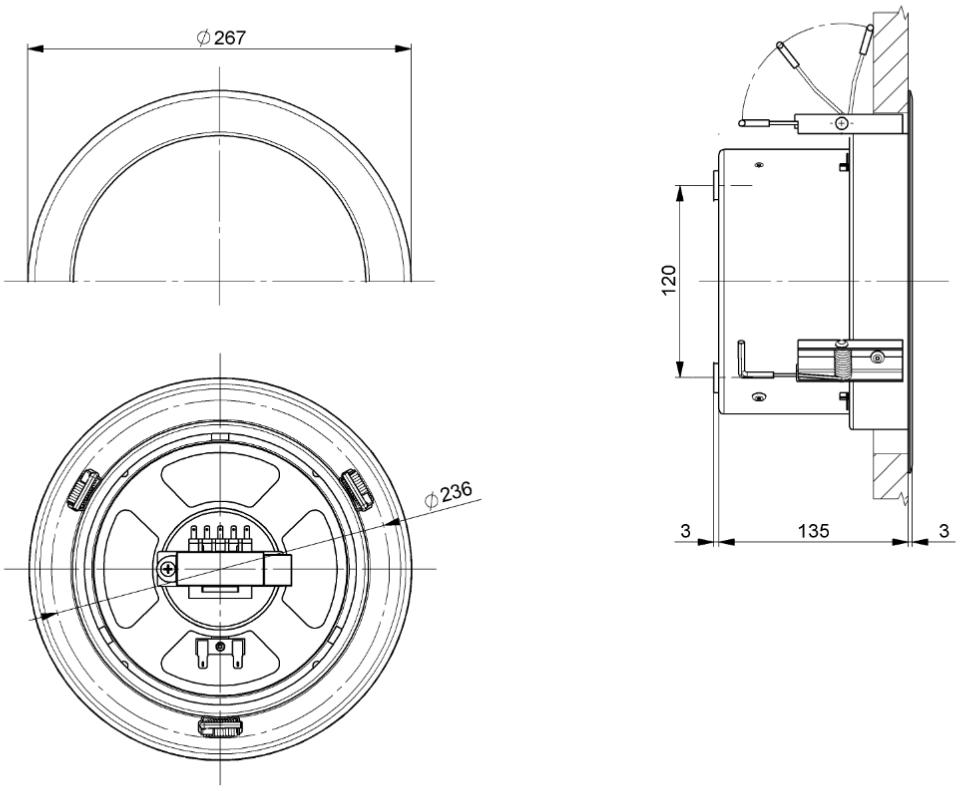
Product Attributes



Technical Drawing

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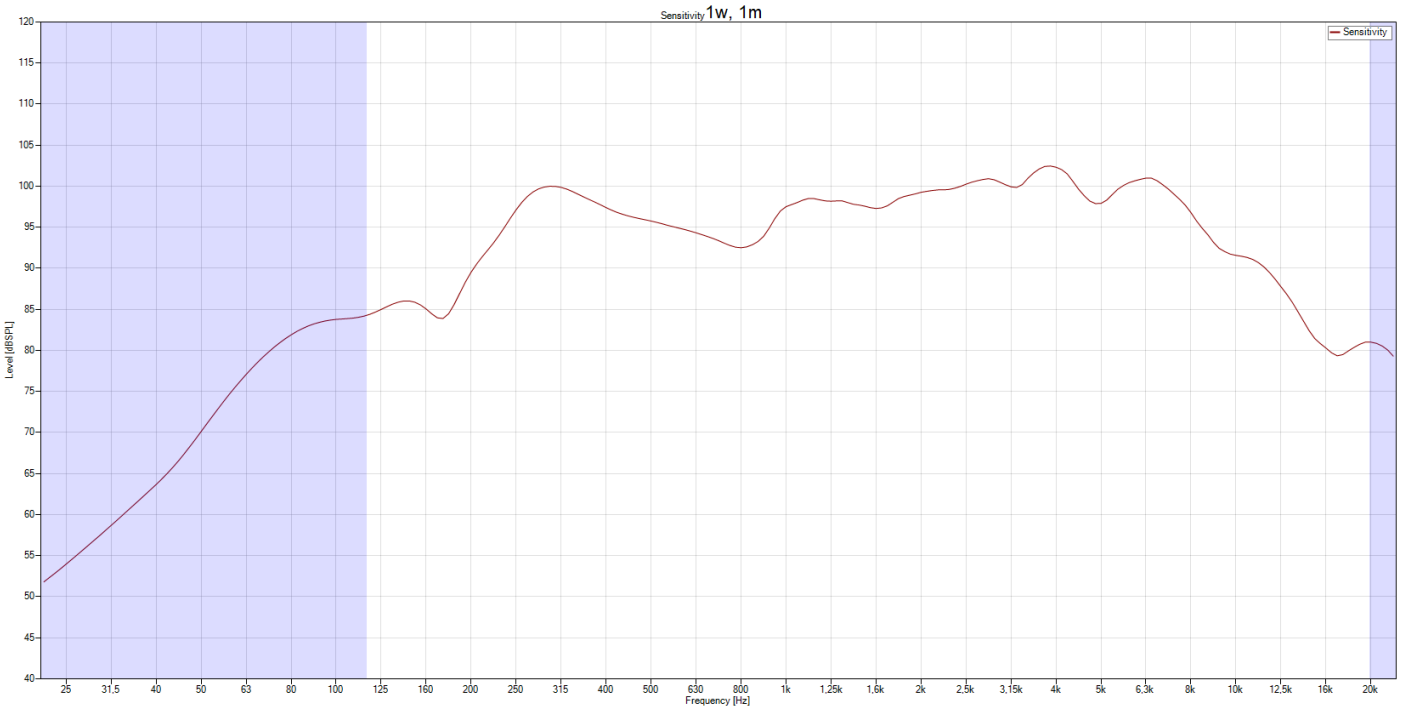
DL-AB 06-200/T-EN54



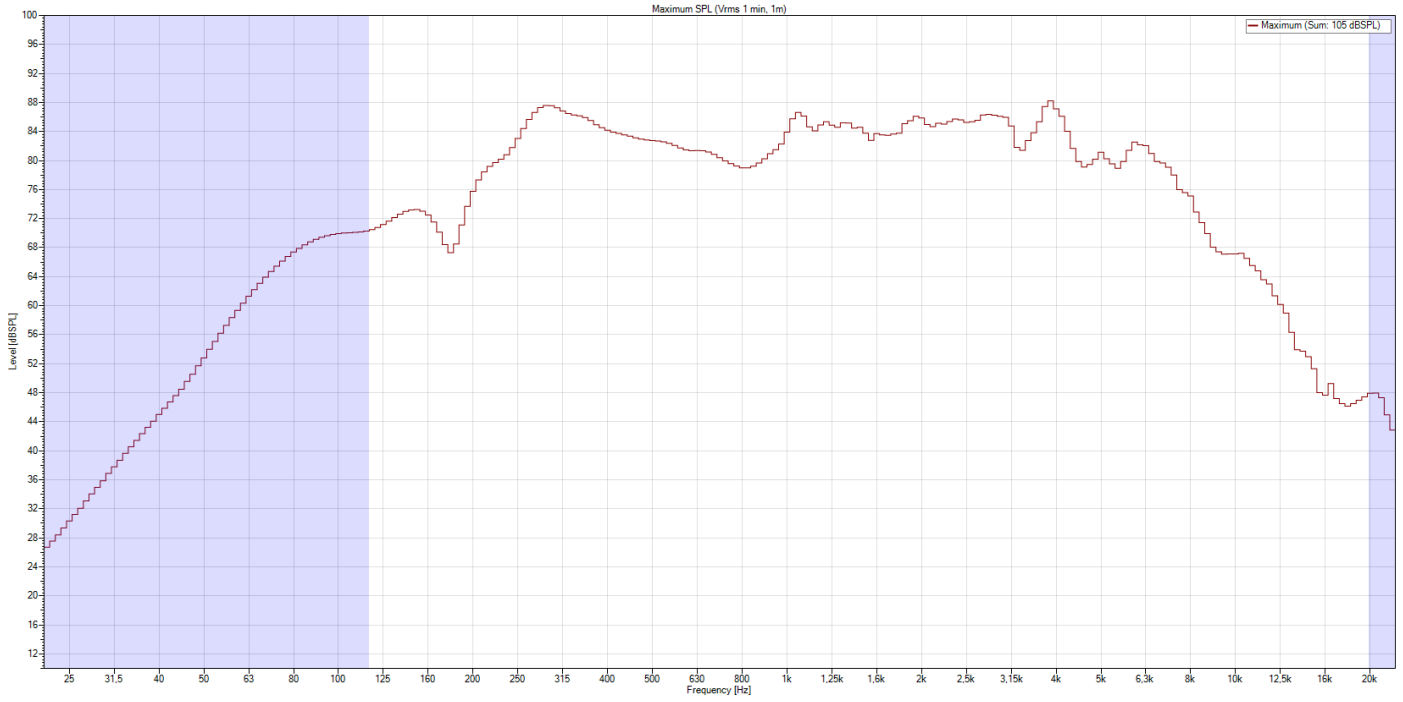
all dimensions are in mm

Frequency Response Diagram

Sensitivity

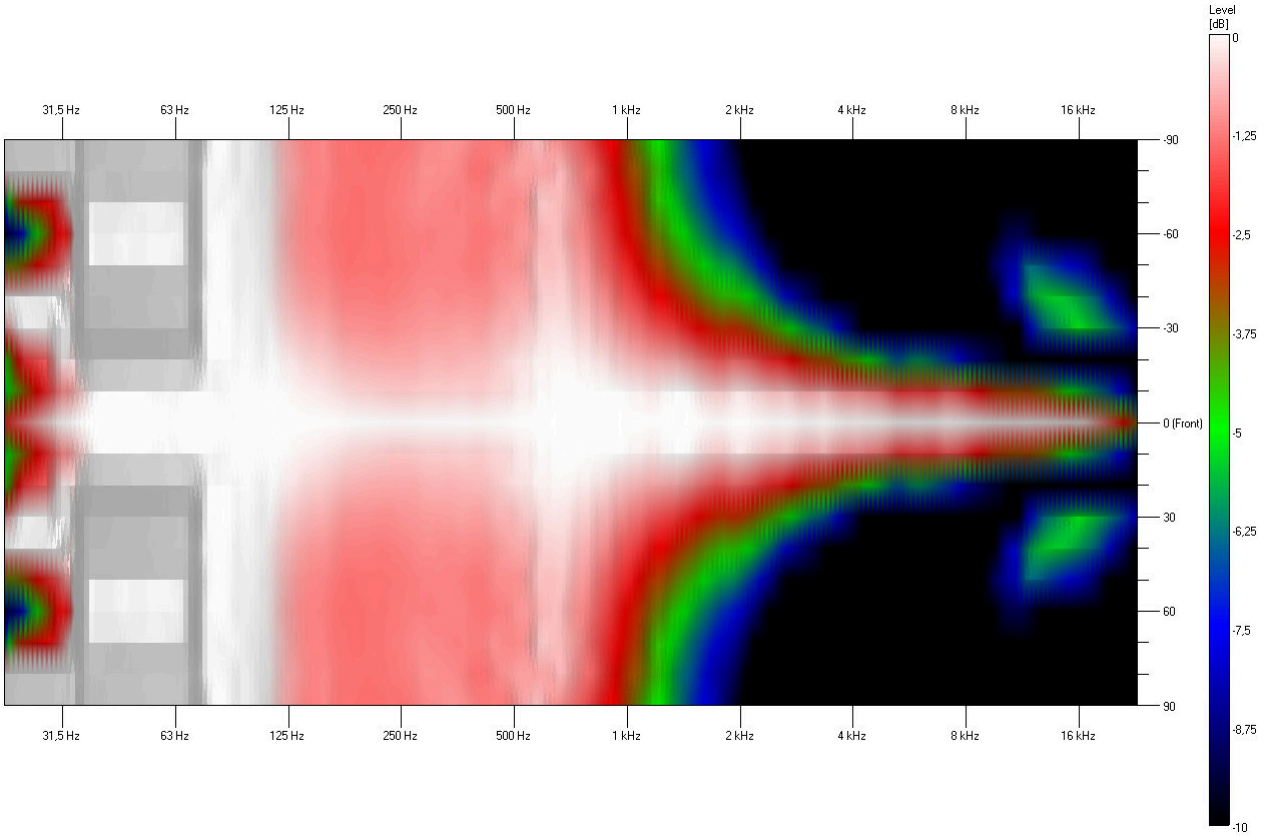


SPL Max

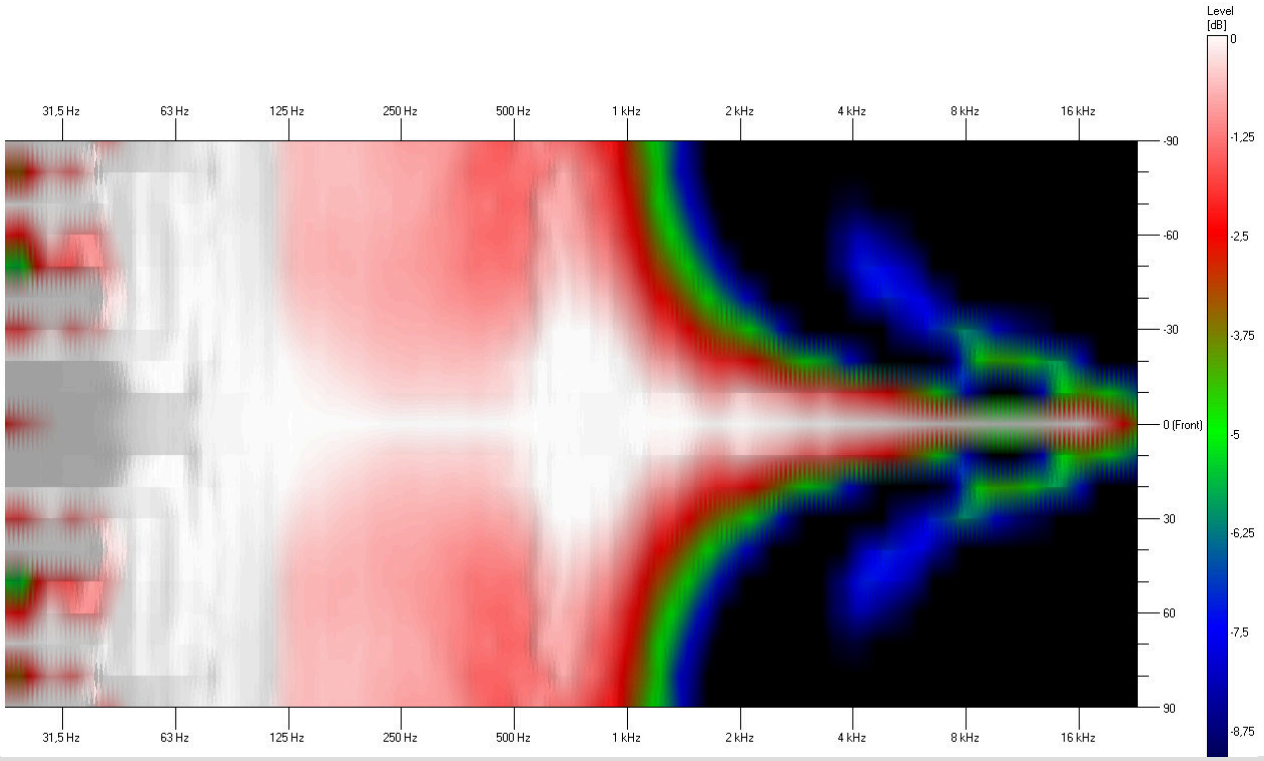


Isobar

Horizontal

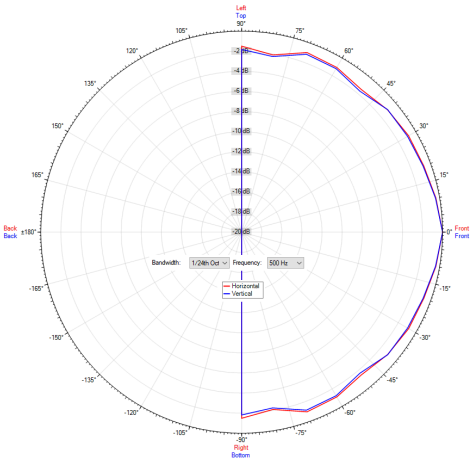


Vertical

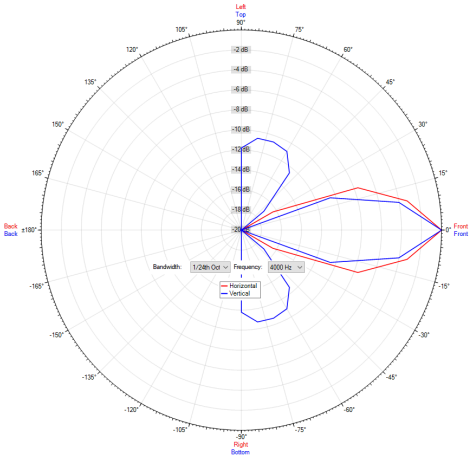


Polar Diagram

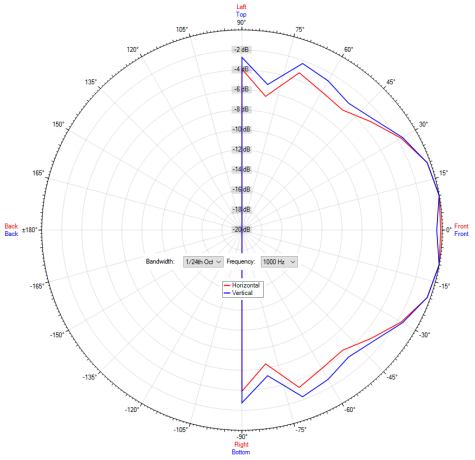
Polar Diagram 500Hz



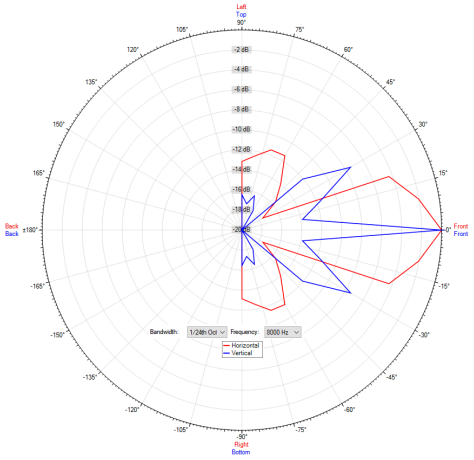
Polar Diagram 4000Hz



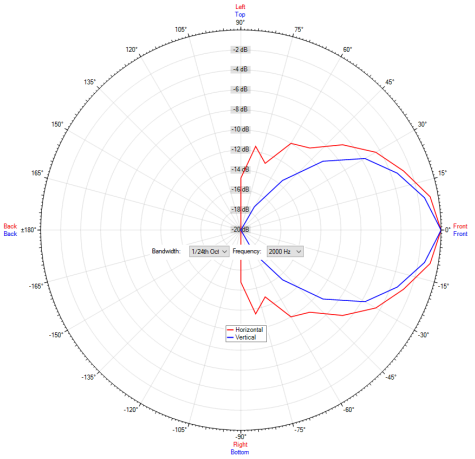
Polar Diagram 1000Hz



Polar Diagram 8000Hz



Polar Diagram 2000Hz



ic audio loudspeakers are tested and classified according to the IEC standard 60529 (degree of protection by enclosure) against the penetration of foreign objects and moisture. The classification is conforming to standards through characterization with a fixed code. This code consists of the letters IP (International Protection) followed by two digits. The first digit indicates the degree of protection against dust and the second digit the degree of protection against water. Please note that the testing of the products has been carried out in laboratory conditions which are not always 100% comparable with the conditions of different installation environments. This protection can be reduced due to normal wear and tear depending on the installation environment.

RoHS compliant (2011/65/EU)

The IP rating specified is based on ic audio test results, not on CNBOP-PIB test results. Certification only verifies the minimum requirements for EN54-24 compliance.

Article No: 20102182
Packing Unit: 5

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