

WA-AB 06-100/T-EN54V-W

- quick mounting
- highest reliability
- WAGO 221 connector

EN54

CE 26

EN 54-24:2008
Ref. Nr.: 008-13
ID-Code: SAA-LS08
1438-CPR-0230

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68307 Mannheim, Germany

CE-Symbol gemäß Richtlinie 93/68EWG

The WA-AB 06-100/T-EN54V-W is designed with two independent speakers and 100V transformers to enable the 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 chassis and the transformers will guarantee unimpaired function.

The 2x6W powered speaker is equipped with two full-range loudspeakers and two 100V transformers with 3 power adjustments each. The high-density, shock-resistant MDF wood housing in RAL 9010 provides a low resonance sound. A sturdy front grille made of steel guarantees enduring stability. For additional reliability, the speaker chassis is impregnated against wetness. Fast and easy installation with WAGO 221 connector.

The speaker is also secured with the high protection class IP 54 against the security risks of environmental influences. Quick and easy mounting with screws.

Product	WA-AB 06-100/T-EN54V-W
Article No	20102183V-W

Acoustics

Power	2x 6/3/1,5 W
Impedance (100V)	2 x 1667/3333/6667 ohm
Speaker ø	100 mm
Frequency Range	227 - 14.600 Hz (single) | 224 - 14.300 Hz (double)
Frequency Response	165 - 23.500 Hz (single) | 162 - 23.500 Hz (double)
SPL 1W/1m, peak	100,7 dB (single) | 105,9 dB (double)
SPL 1W/4m, peak	88,7 dB (single) | 93,9 dB (double)
SPL Pmax/4m, peak	96,4 dB (single) | 101,6 dB (double)
SPL IEC268-5, Pmax/1m	98,8 dB (single) | 101,8 dB (double)
Sensitivity EN54-24, 1W/4m	79,6 dB
Dispersion -6dB, 500Hz	175° h/v (single) | 180° h/v (double)
Dispersion -6dB, 1KHz	180°/160° h/v (single) | 145°/130° h/v (double)
Dispersion -6dB, 2KHz	150°/135° h/v (single) | 90°/80° h/v (double)
Dispersion -6dB, 4KHz	105°/90° h/v (single) | 50°/40° h/v (double)

Connections and Housing

Connector	WAGO 221 connector
Terminal Diameter	3,2 mm
Maximum Cable Passage	8 mm² (single)
Max. cable cross section loop	4 mm² (single)
Temperature Range	-10 / +55 °C
Type A/B	A
Dimensions	254x195x81 mm
Weight (net)	1,99kg
Housing	MDF
Colour	RAL 9010
Mounting	screws
IP Rating	IP54

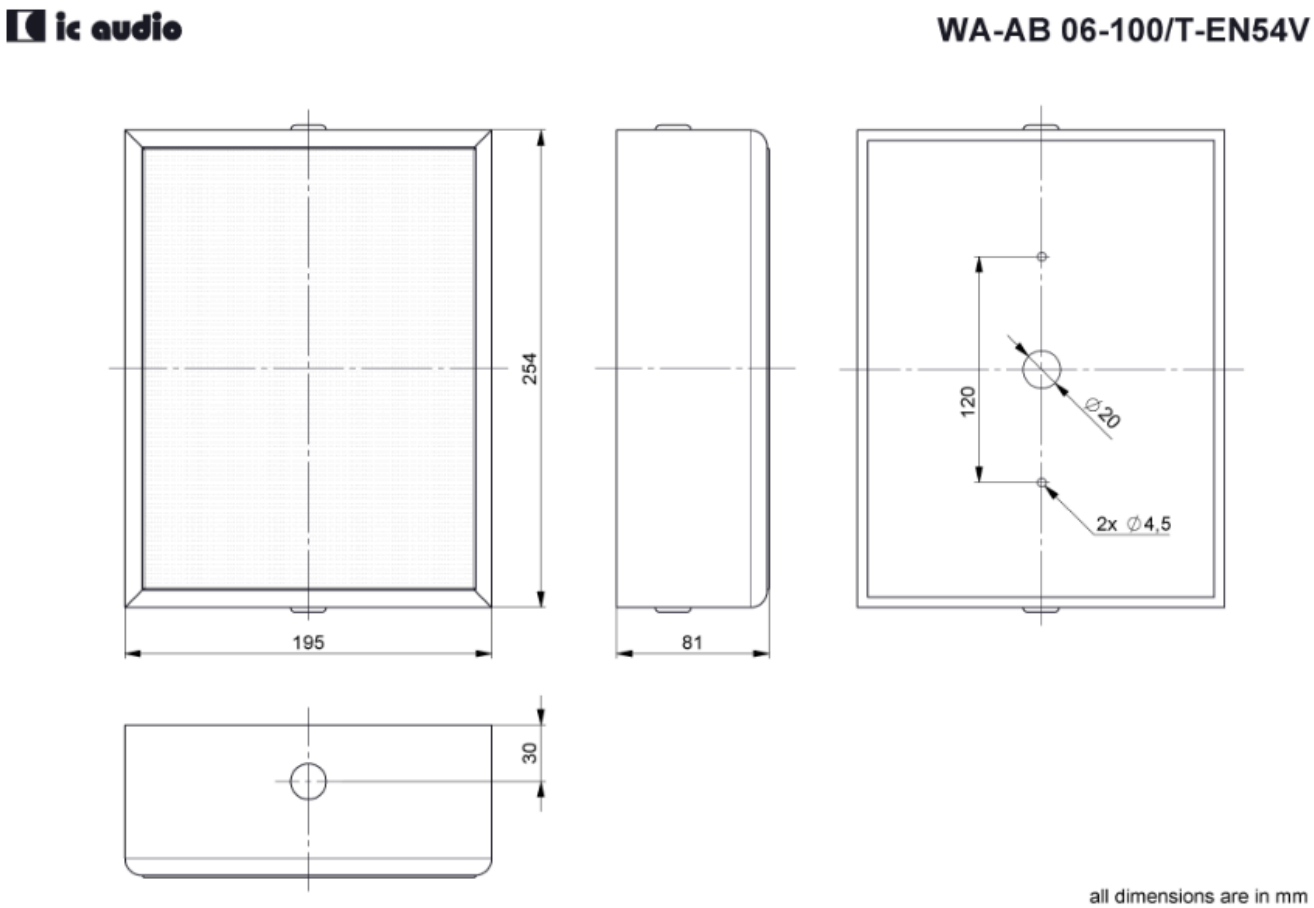
Certification

Ref. Nr.	008-13
ID-Code	SAA-LS08
Certificate Number	1438-CPR-0230

Product Attributes

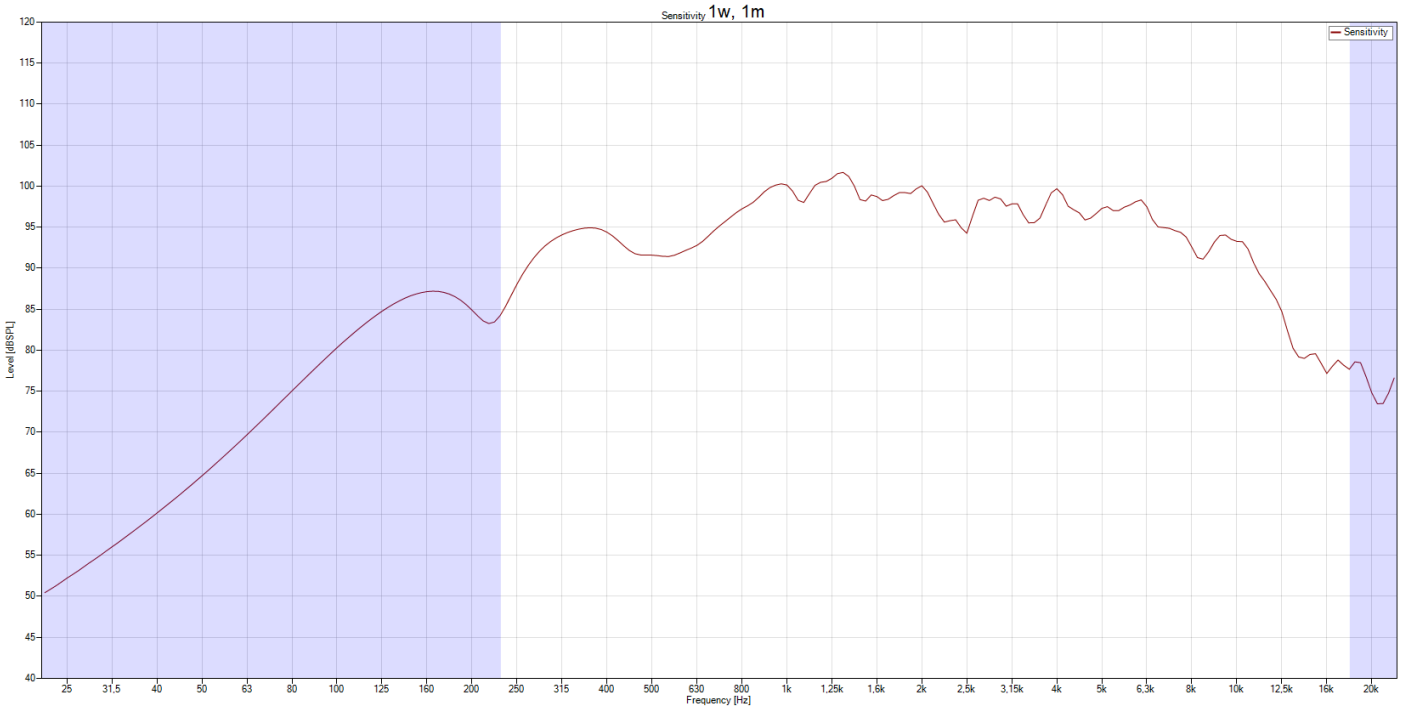


Technical Drawing

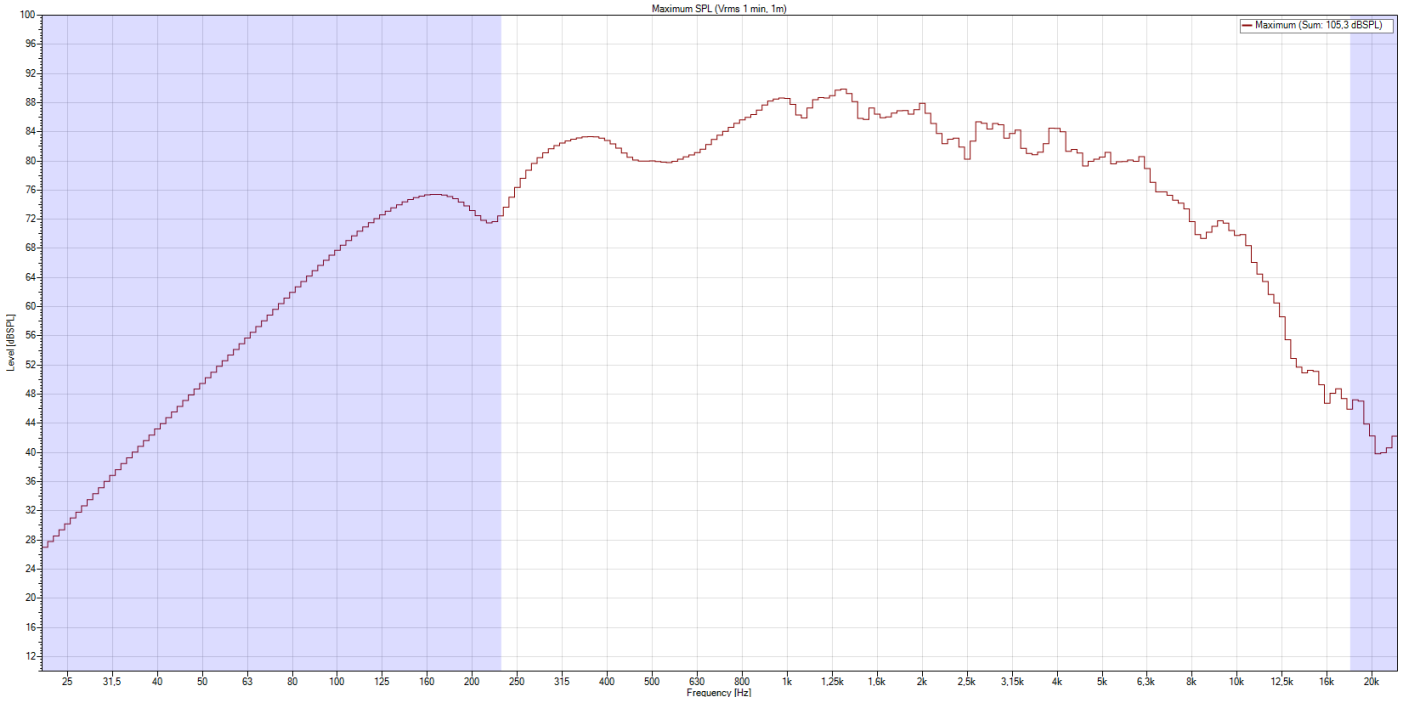


Frequency Response Diagram

Sensitivity

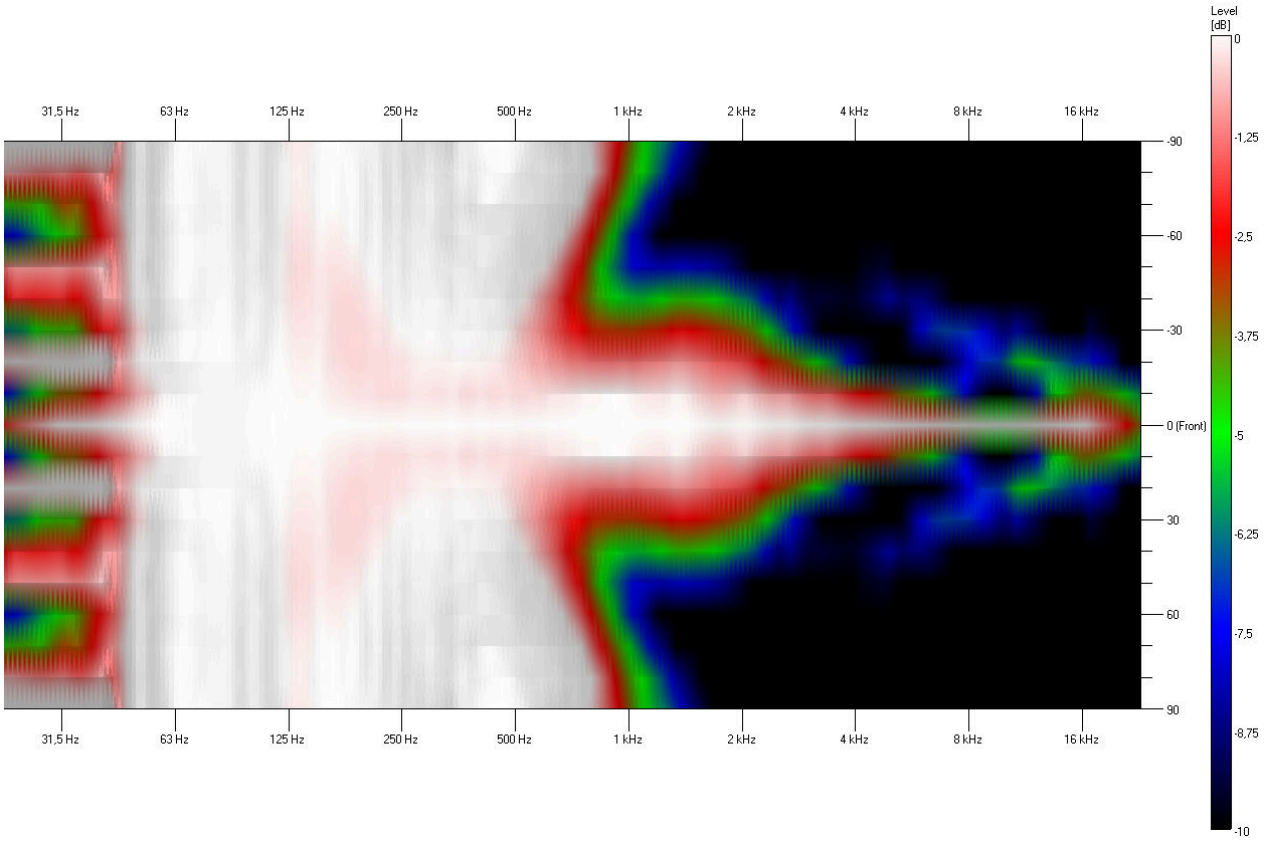


SPL Max

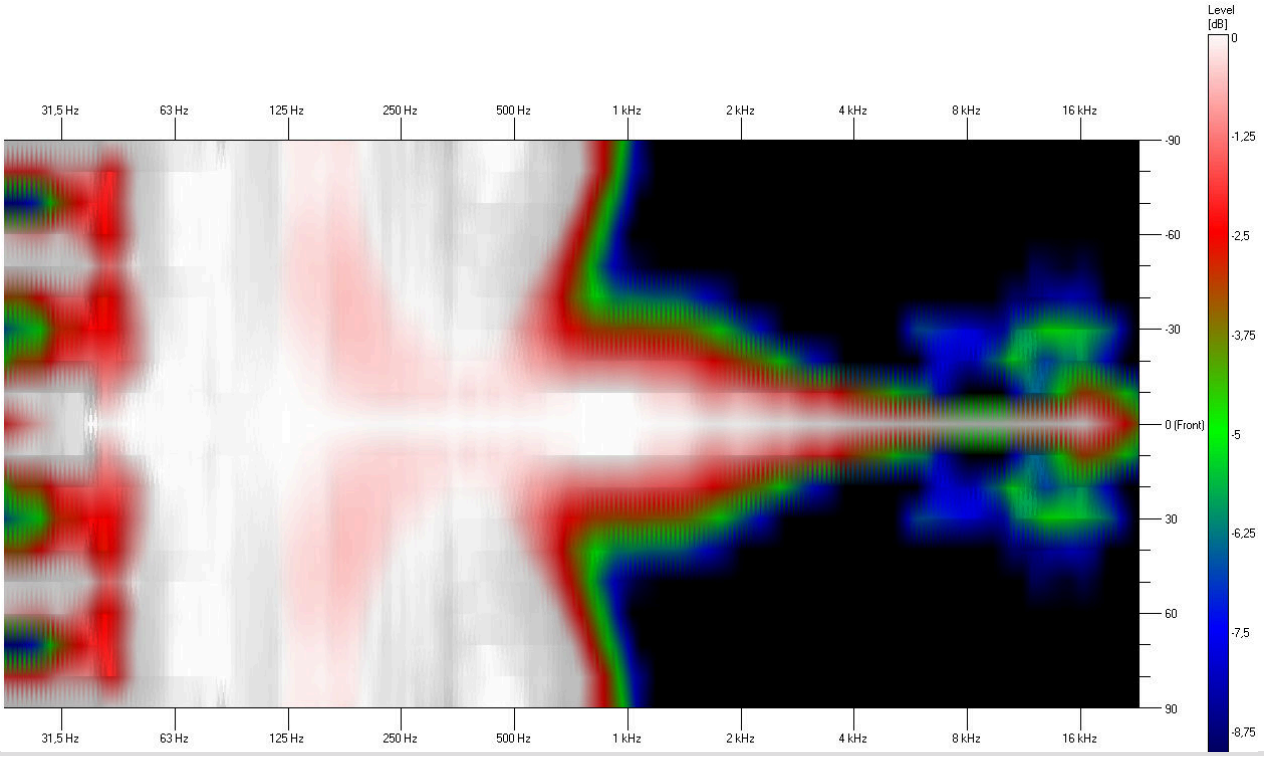


Isobar

Horizontal

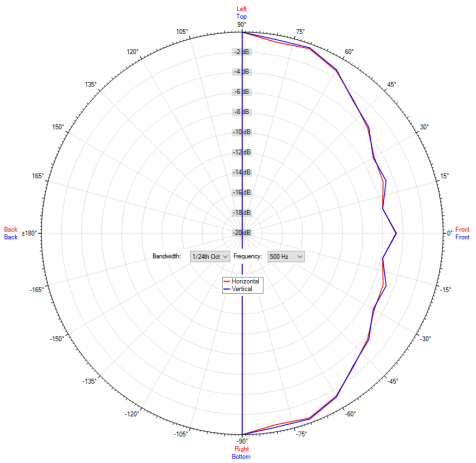


Vertical

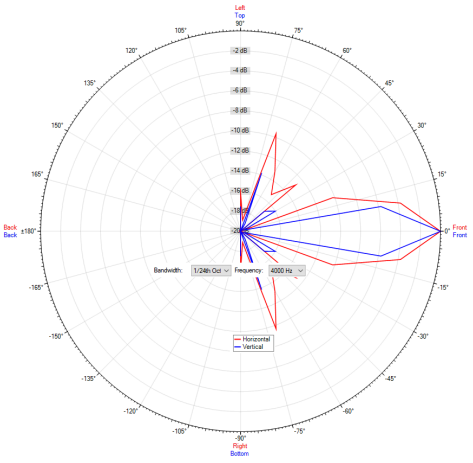


Polar Diagram

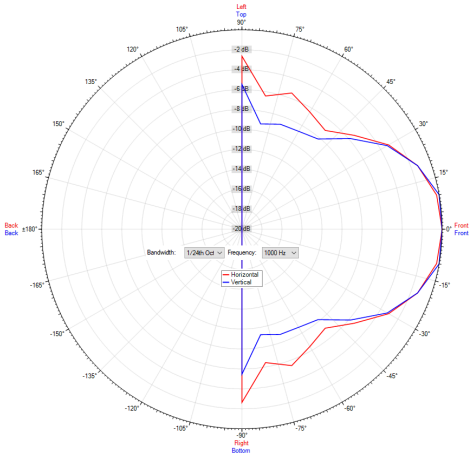
Polar Diagram 500Hz



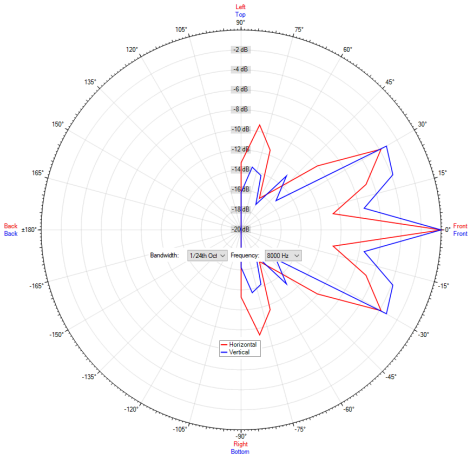
Polar Diagram 4000Hz



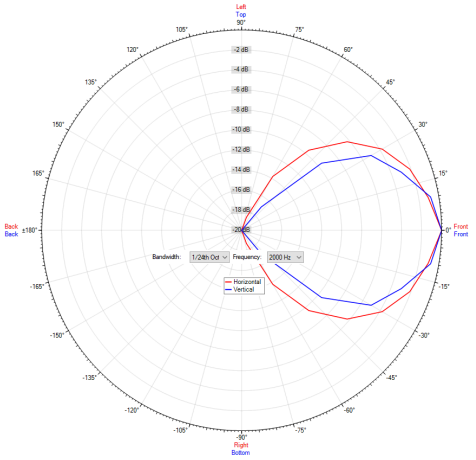
Polar Diagram 1000Hz



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: 20102183V-W
Packing Unit: 8