



WA 10-165/T Metal-EN54

- All-metal construction
- Vandal-proof
- BS 5839

EN54

CE 19

EN 54-24:2008
Ref. Nr.: 007-13
ID-Code: SAA-LS07
1438-CPR-0231

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CE-Symbol gemäß Richtlinie 93/68EWG

This speaker is the best choice for sensitive installations like prisons or industrial areas where plastic and wooden materials are not an option.

The 10W powered speaker is equipped with a 165mm full-range loudspeaker chassis and a 100V transformer with 4 power adjustments. The extremely stable metal housing in RAL 9010 with corrosion-resistant powder coating, offers tremendous resilience paired with an unobtrusive design.

A 2-pin ceramic block and a thermal fuse provide additional reliability. The speaker chassis is impregnated against wetness.

The speaker is secured with protection class IP 21C against the risks of environmental influences. It is also compliant with the British Standard BS 5839, Part 8.

Quick and easy screw mounting.

Product	WA 10-165/T Metal-EN54
Article No	20184120

Acoustics

Power	10/6/3/1,5 W
Impedance (100V)	1000/1667/3333/6667 ohm
Speaker ø	165 mm
Frequency Range	170 - 18.500 Hz
Frequency Response	70 - 23.500 Hz
SPL 1W/1m, peak	98,3 dB
SPL 1W/4m, peak	86,3 dB
SPL IEC268-5, 1W/1m	94,0 dB
SPL IEC268-5, Pmax/1m	101,8 dB
Sensitivity EN54-24, 1W/4m	80,0 dB
Dispersion -6dB, 500Hz	180° h/v
Dispersion -6dB, 1KHz	160° h/v
Dispersion -6dB, 2KHz	100° h/v
Dispersion -6dB, 4KHz	76° h/v

Connections and Housing

Connector	2-pin ceramic block
Terminal Diameter	3,2 mm
Maximum Cable Passage	8 mm²
Max. cable cross section loop	2x2 mm²
Temperature Range	-10 / +55 °C
Type A/B	A
Dimensions	252x192x83 mm
Weight (net)	2,71 kg
Housing	metal
Colour	RAL 9010
Mounting	Screws
IP Rating	IP21

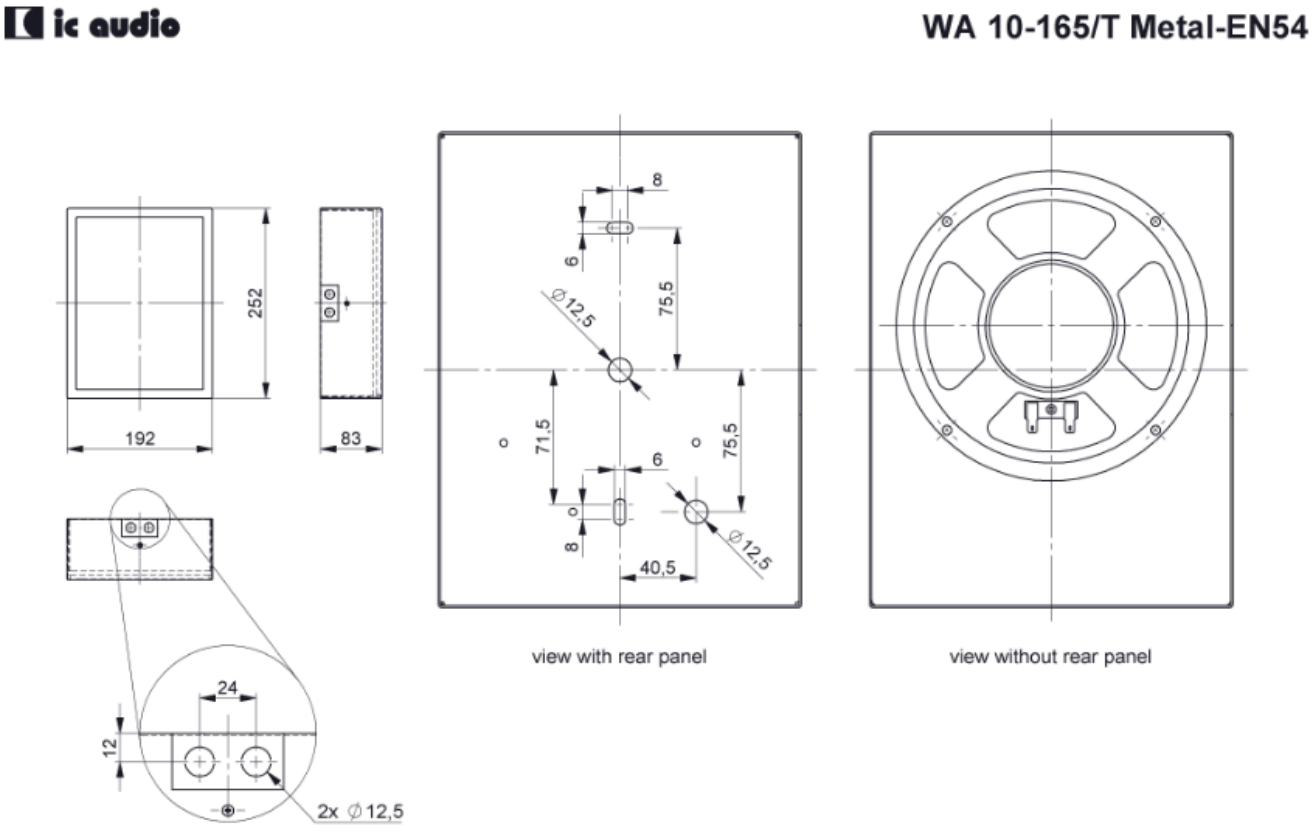
Certification

Ref. Nr.	007-13
ID-Code	SAA-LS07
Certificate Number	1438-CPR-0231

Product Attributes

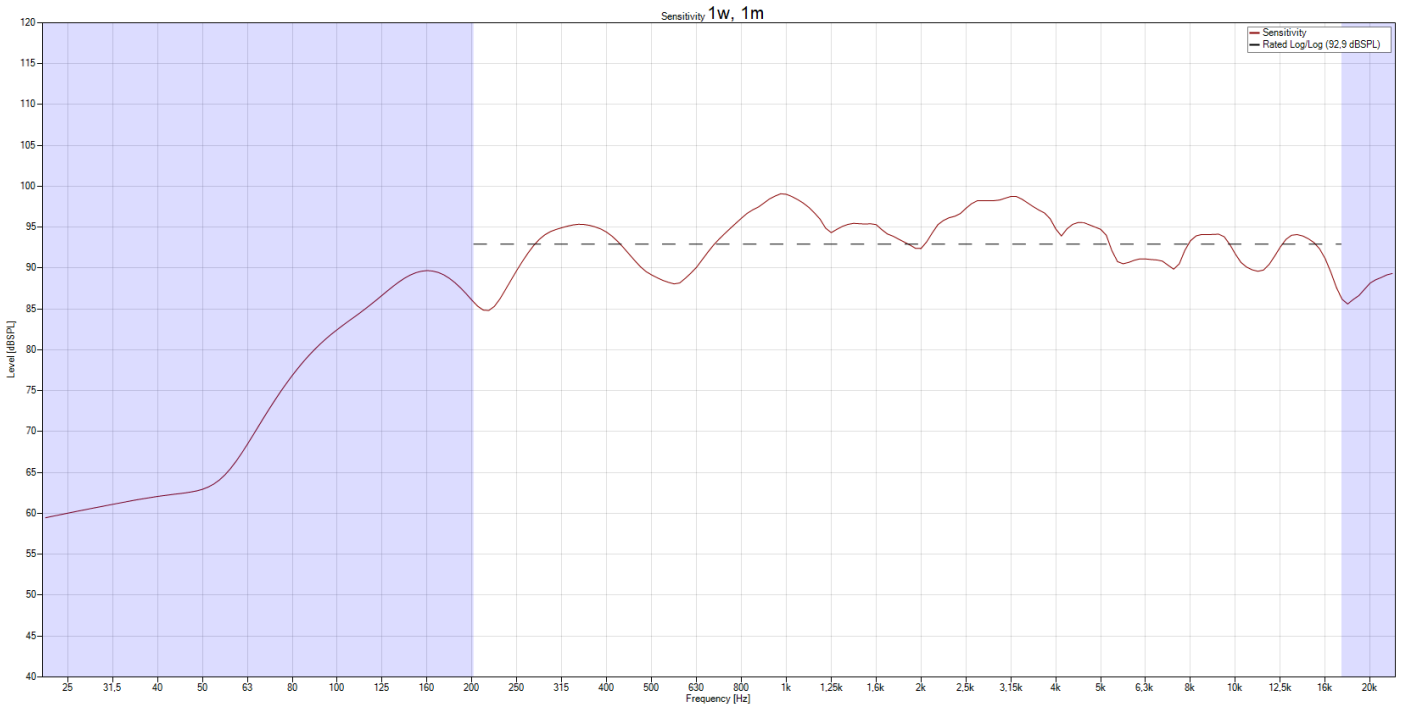


Technical Drawing

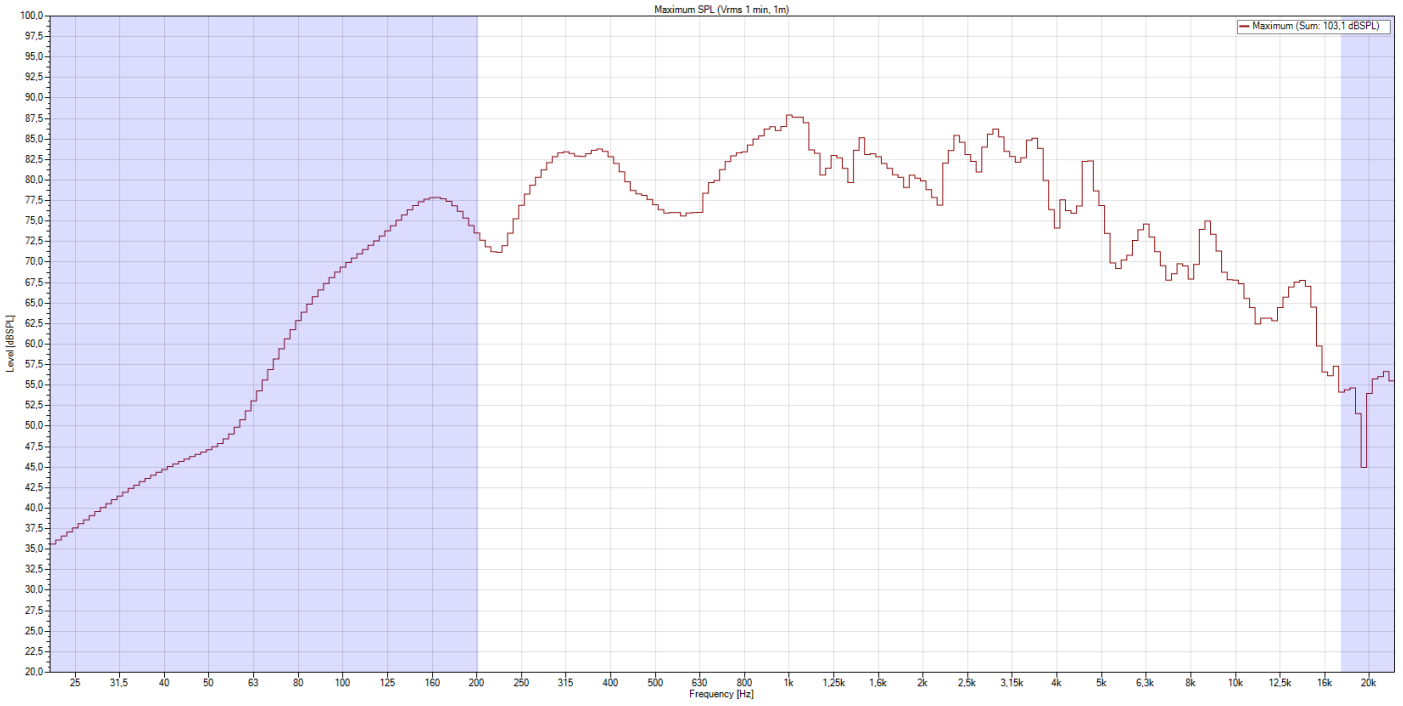


Frequency Response Diagram

Sensitivity

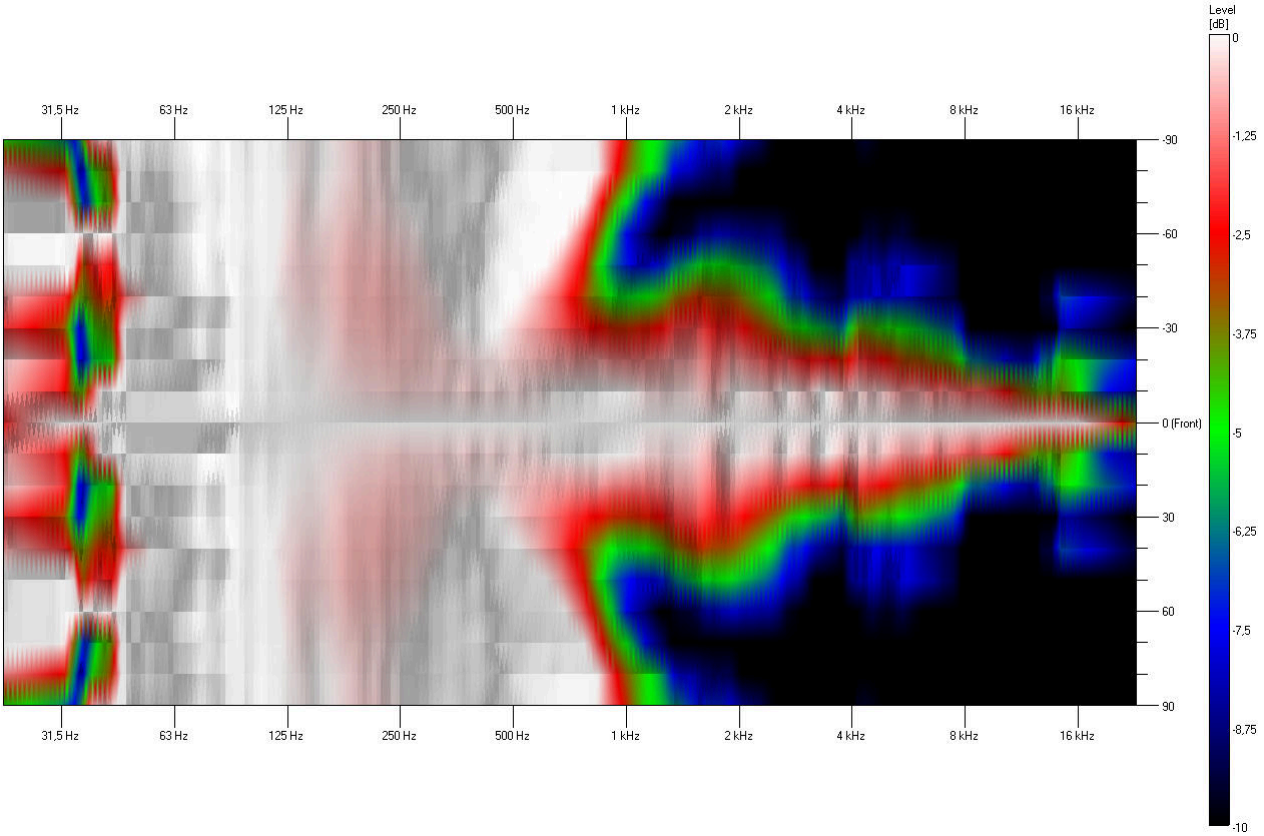


SPL Max

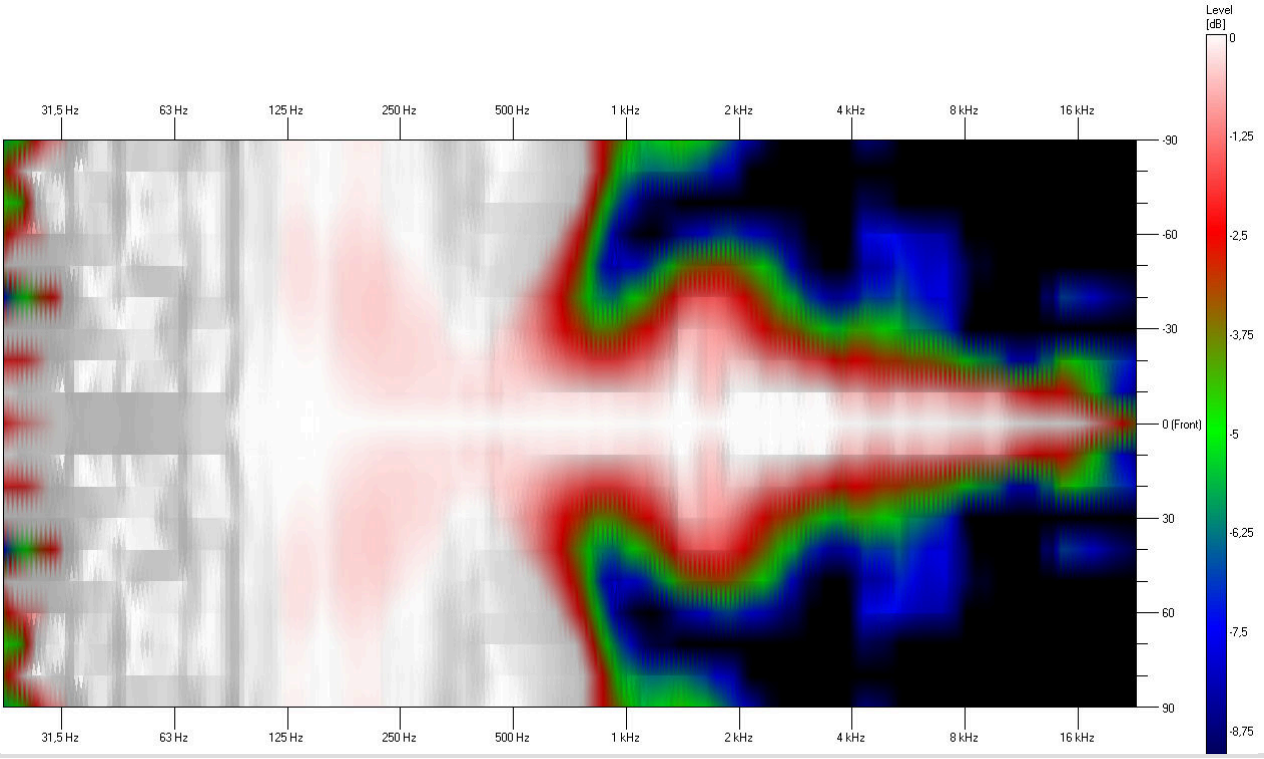


Isobar

Horizontal

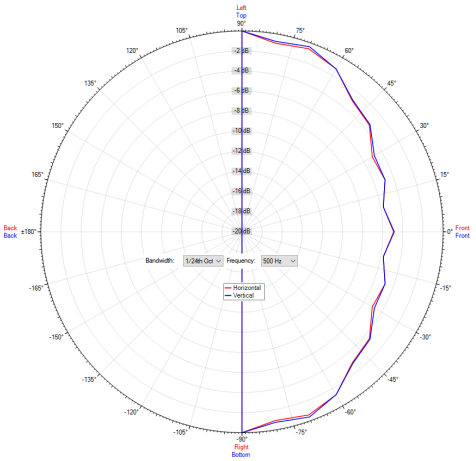


Vertical

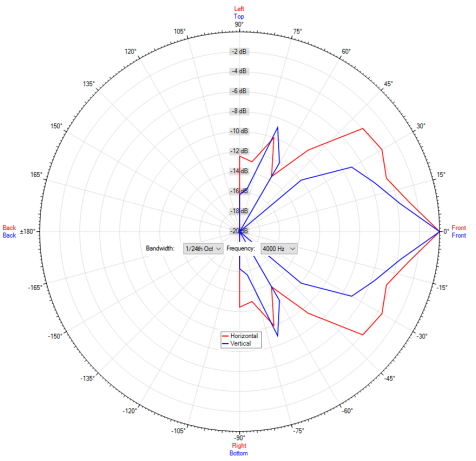


Polar Diagram

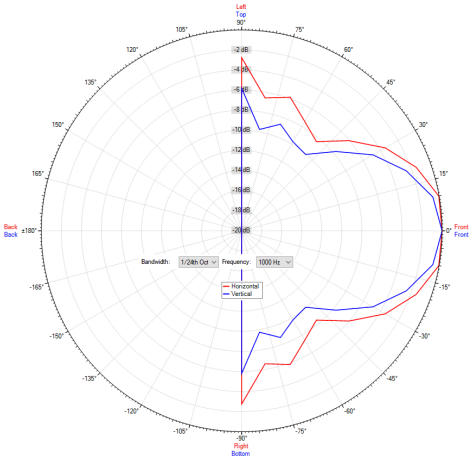
Polar Diagram 500Hz



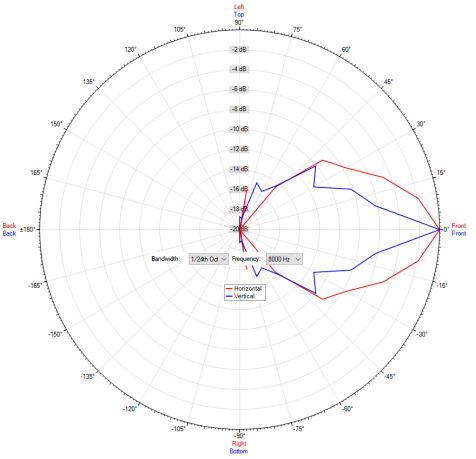
Polar Diagram 4000Hz



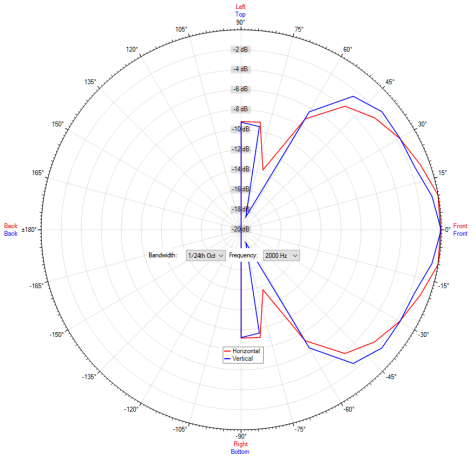
Polar Diagram 1000Hz



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: 20184120
Packing Unit: 8