



## WA-S 06-165/T-EN54

- high sound pressure level
- slim-line design
- flexible mounting

EN54

CE

25

EN 54-24:2008
:
:
1438-CPR-0984

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CE-Symbol gemäß Richtlinie 93/68EWG

A uniquely designed ultra-slim wall speaker for limited space and unobtrusive installations. The WA-S 06-165/T-EN54 delivers excellent sound quality with an outstanding look.

The 6W full range 165mm speaker convinces through high-quality design and resilience. The impact-resistant, UV-resistant, ABS plastic housing in RAL 9016 assures enduring stability. It features a magnetically attached grille – discreet and easy maintenance.

Fast and easy installation through the WAGO connector.

The speaker is protected against the risks of environmental influences with protection class IP 21. It is also impregnated against moisture.

Thanks to its flexible mounting positions, 3 orientations are possible:

1. Horizontal alignment on the wall
2. Horizontal alignment between two walls and the ceiling
3. Corner mount

| | |
|---|---|
| Product | WA-S 06-165/T-EN54 |
| Artikel Nr. | 20238096 |

## Acoustics

| | |
|---|---|
| Power | 6/3 /1.5 W |
| Impedance (100V) | 1667/3333 /6667 ohm |
| Speaker ø | 165 mm |
| Frequency Range | 210 - 21.800 Hz |
| Frequency Response | 184 - 23.300 Hz |
| SPL 1W/1m, peak | 99,4 dB |
| SPL 1W/4m, peak | 87,4 dB |
| SPL Pmax/4m, peak | 95,8 dB |
| SPL IEC268-5, 1W/1m | 92,7 dB |
| SPL IEC268-5, Pmax/1m | 98,9 dB |
| Sensitivity EN54-24, 1W/1m | 91,0 dB |
| Sensitivity EN54-24, 1W/4m | 79,0 dB |
| Dispersion -6dB, 500Hz | 180° h/v |
| Dispersion -6dB, 1KHz | 160° h/v |
| Dispersion -6dB, 2KHz | 125° h/v |
| Dispersion -6dB, 4KHz | 89° h/v |

## Connections and Housing

| | |
|---|---|
| Connector | WAGO 221 connector |
| Terminal Diameter | 2,3 mm |
| Maximum Cable Passage | 4 mm² |
| Temperature Range | -10 / +55 C° |
| Type A/B | A |
| Dimensions | 252x182x70 mm |
| Weight (net) | 1,15 kg |
| Housing | ABS |
| Colour | RAL 9016 |
| Mounting | screws |
| IP Rating | IP21 |

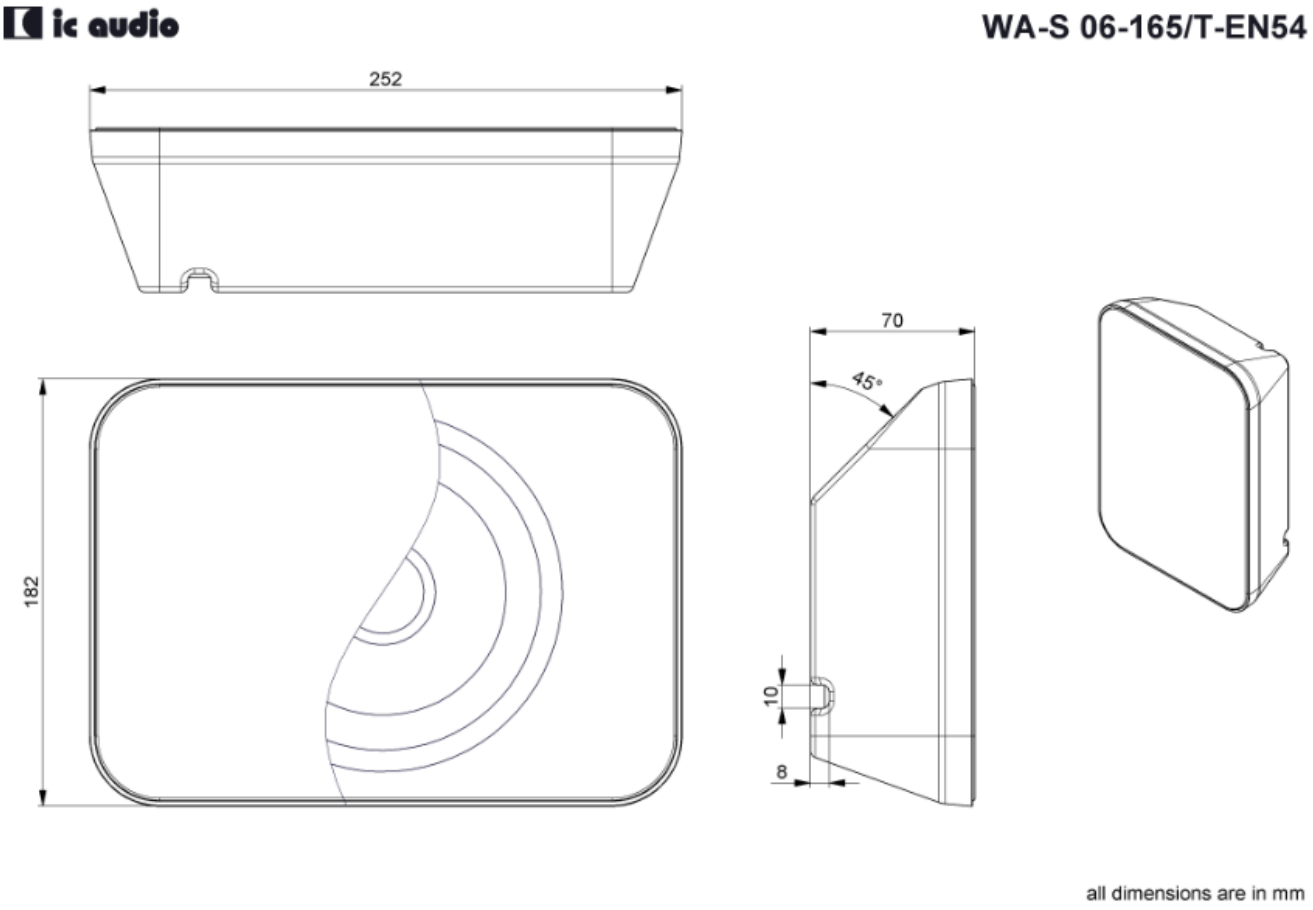
## Certification

| | |
|---|---|
| Certificate Number | 1438-CPR-0984 |

## Product Attributes

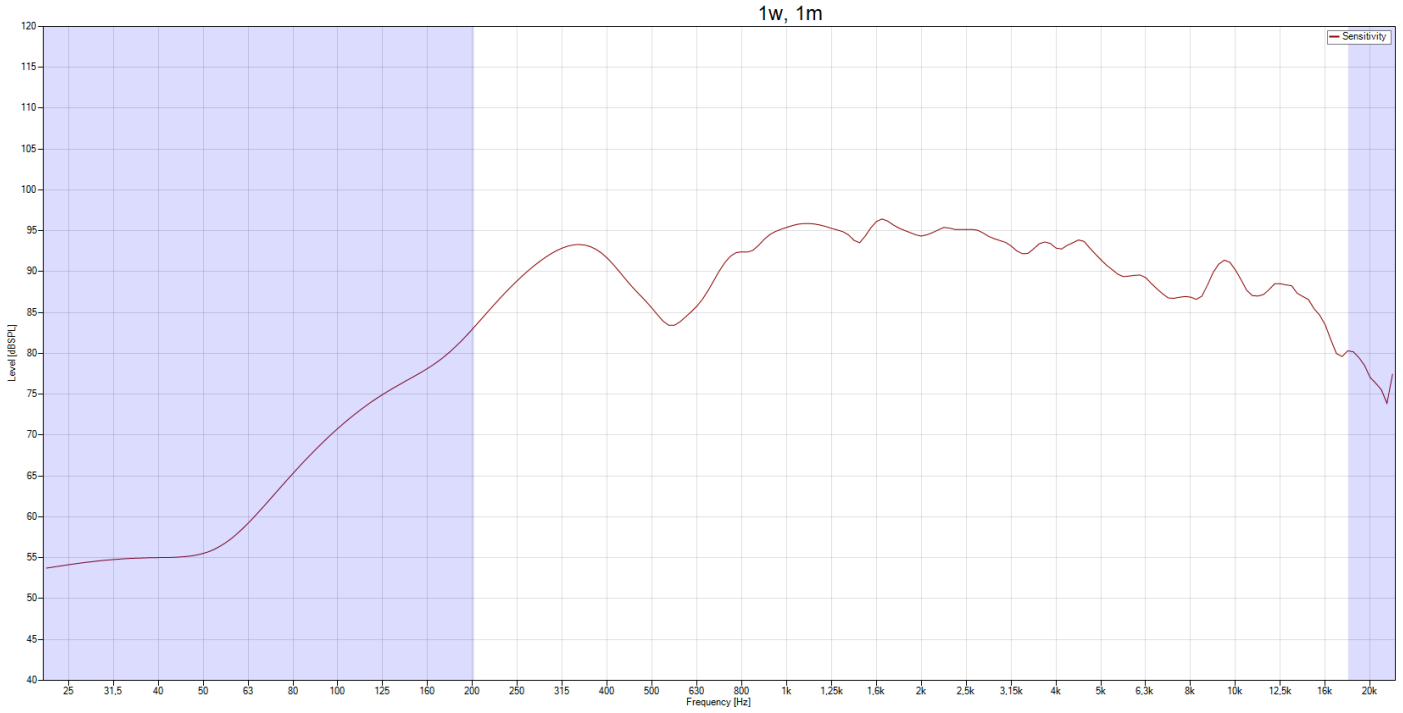


## Technical Drawing

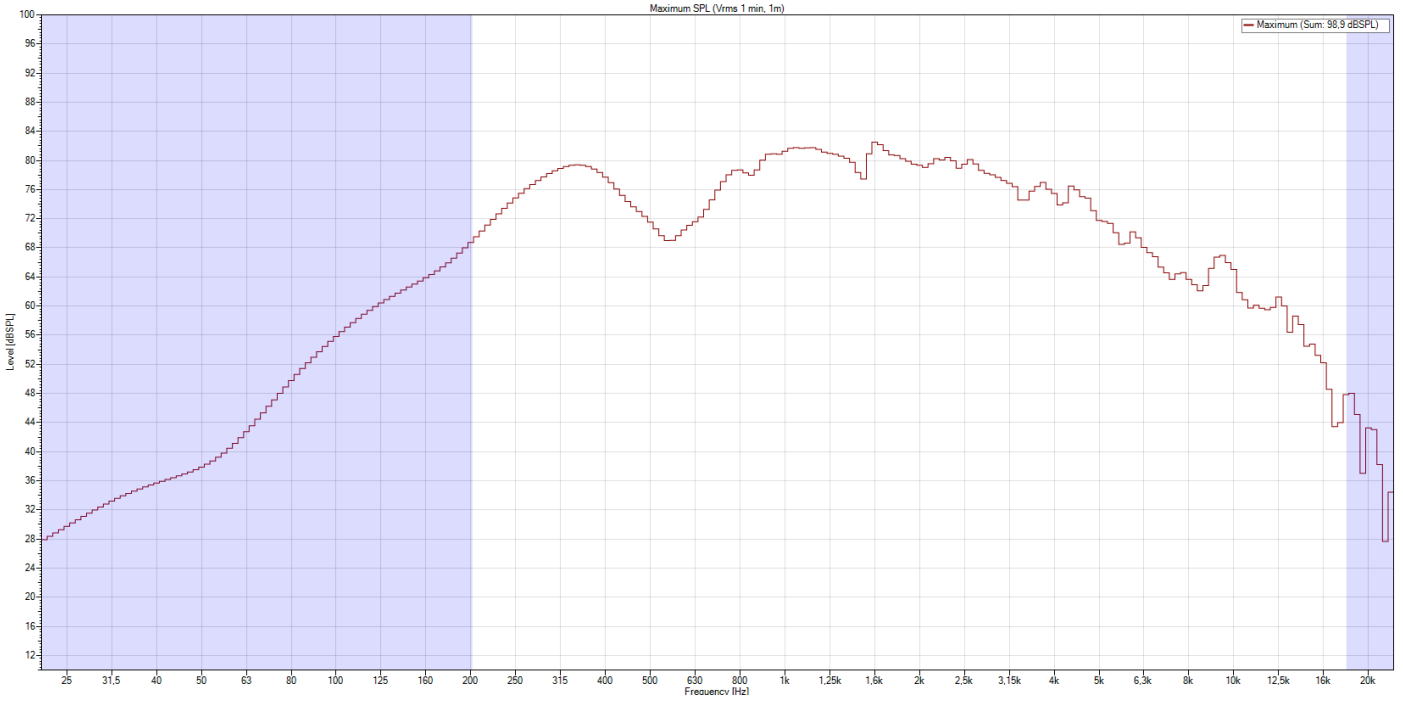


## Frequency Response Diagram

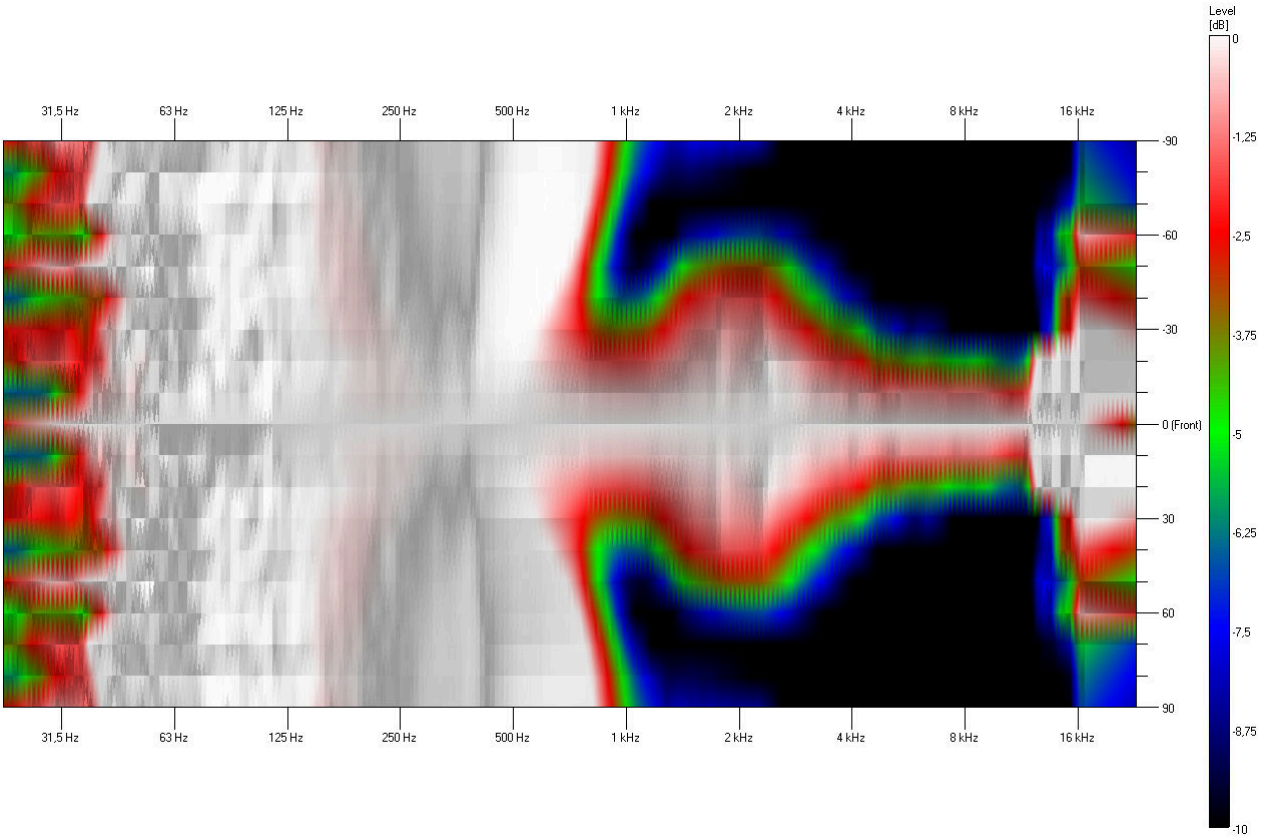
Sensitivity




SPL Max

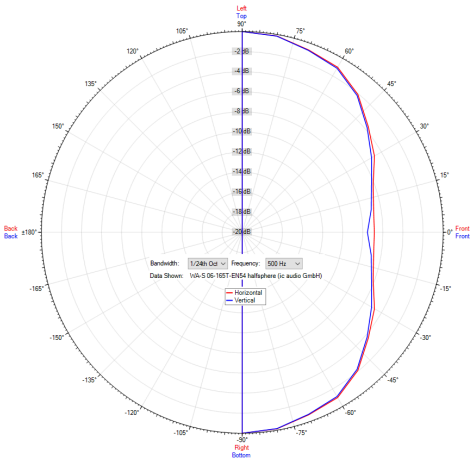


## Isobar

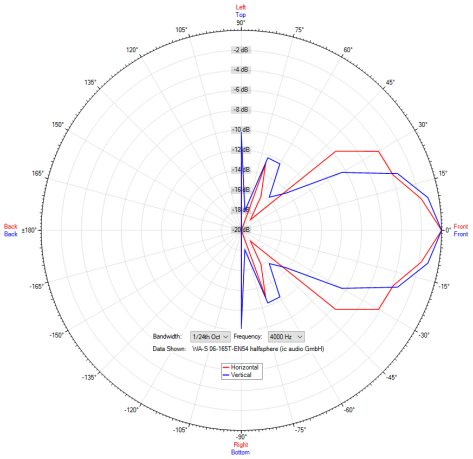

Level
[dB]
0
-1,25
-2,5
-3,75
-5
-6,25
-7,5
-8,75
-10
31,5 Hz
63 Hz
125 Hz
250 Hz
500 Hz
1 kHz
2 kHz
4 kHz
8 kHz
16 kHz
-90
-60
-30
0 (Front)
30
60
90

## Polar Diagram

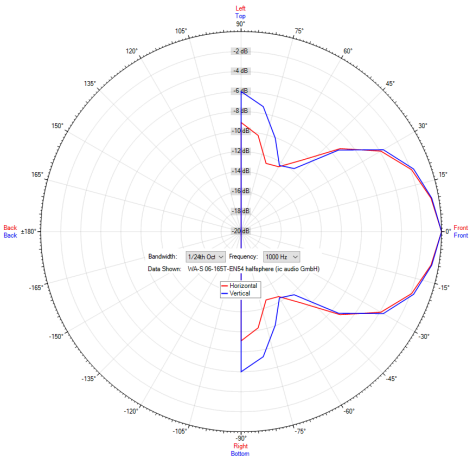
### Polar Diagram 500Hz



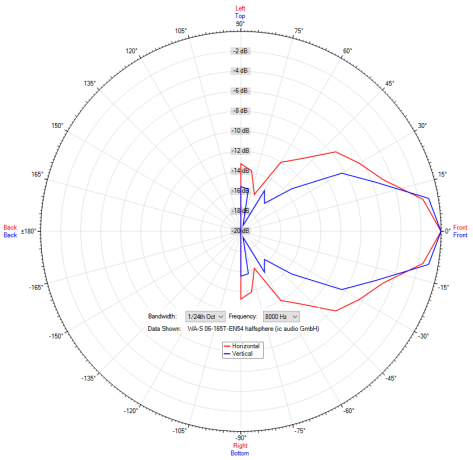
### Polar Diagram 4000Hz



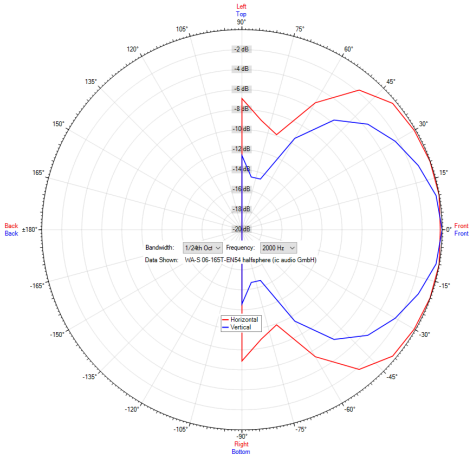
### Polar Diagram 1000Hz



### 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.

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**Packing Unit:** 12