

# CEILING SPEAKER BBR-ABT-S186

## AutoVoice Product Datasheet

### Features

- Full compliance with EN 54-24 Standard
- Certificate of Conformity: 1438-CPR-0648
- Compliance with BS5839-8 standard (Thermal protection)
- The highest level of speech intelligibility
- Elegant looks
- 6 W transformer allowing a precise selection of loudspeaker output power
- 100% protection of line from breaks and short-circuits

### Product overview

Ceiling mounted fire alarm BBR-ABT-S186 loudspeaker is designed for operations at high acoustic levels. Actual wide band high efficiency ensures the best understanding of verbal messages. Its parameters have been carefully selected to comply with suspended ceiling applications.

Thanks to the most advanced technologies BBR-ABT-S186 loudspeaker combines excellent acoustic parameters and high aesthetics. It is distinguished by easy and quick installation.

Quality standards and audio characteristics have been confirmed through tests and trials in an anechoic chamber, resistance and integrity testing equipment, as well as chambers for resistance to weather and air humidity testing.

The BBR-ABT-S186 loudspeaker ensure a balanced sound which is extremely important in emission of highly understandable speech.

BBR-ABT-S186 is equipped with a standardized fire dome made of ABS and supplied with two cable penetrations with rubber glands.

The individual power rating is selected by means of connection with applicable transformer branch.



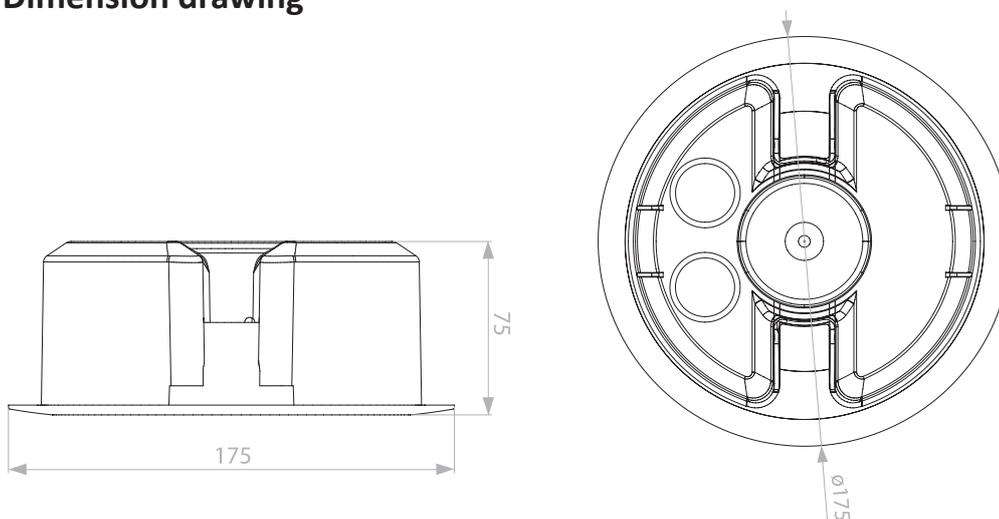
BBR-ABT-S186 loudspeaker equipped with fire dome, ceramic block and thermal protections entirely comply with EN 54-24 Standard. In order to ensure 100% consistency with the highest quality standards we test our loudspeakers following the most meticulous procedures that warrant high parameters of sound emission, safety and reliability.

In spite of the fact our loudspeaker is designed for the highest reliability under fire conditions, their acoustic parameters and attractive low prices make them successful in any and all public address systems.

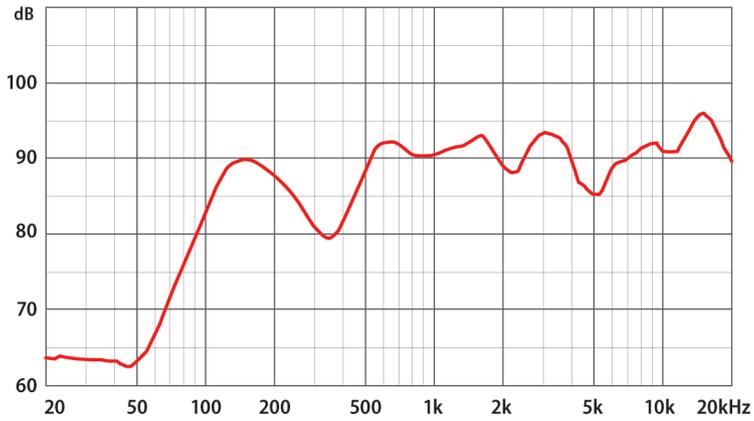
Product name	Part number	Description
BBR-ABT-S186	116-BBR-ABT-S186	CEILING SPEAKER ABS 6 W

Technical Specification	
Rated power, W	6
Tappings 100 V line according to EN 54-24, W	6 / 3 / 1,5 / 0,75
Tappings 70 V line, W	3 / 1,5 / 0,75 / 0,37
Transformer impedance, $\Omega$	1667 / 3333 / 6667 / 13333
Driver impedance, $\Omega$	8
Effective frequency range, Hz	120 – 20 000
Sensitivity @ 4 m, 1 W, dB	79
SPL @ 4 m, Rated power, dB	86
SPL @ 1 m, 1 W, dB, Test signal bandwidth 300 Hz – 6 kHz	91
SPL @ 1 m, Rated power, dB, Test signal bandwidth 300 Hz – 6 kHz	99
Dispersion at 500 Hz / 1 kHz / 2 kHz / 4 kHz, [°]	180 / 180 / 150 / 90
Environmental type / IP Rating according to EN 54-24	A / IP21C
IP Rating	32C
Min / Max Amb Temp	-10°C / 55°C
Dimensions, mm	Height 75, $\phi$ 175
Net Weight, kg	0,66
Colour	White (RAL 9003)
Material	ABS
Mounting	Spring clamp
Cut-out, mm	$\phi$ 150
For DC line monitoring	Capacitor (BBR-ABT-S186C)

## Dimension drawing



## Frequency band



## Circular chart of directional characteristic

