

ABT-S226/AB

EN 54-24

CEILING-MOUNTED A/B LOUDSPEAKER

- ✓ *Compliance with EN 54-24*
- ✓ *Certificate of Conformity issued by CNBOP: 1438-CPR-0899*
- ✓ *Compliance with BS5839-8 standard (Thermal protection)*
- ✓ *6-watt transformer enabling precise handling of loudspeaker power*
- ✓ *Optimised level of speech intelligibility*
- ✓ *Operation of two A/B loudspeaker lines*

**NEW!**

The ceiling-mounted ABT-S226/AB loudspeaker has been designed to guarantee the highest quality of sound even in difficult conditions. ABT-S226/AB is equipped with two in-built drivers, two transformers, two thermal fuses and two ceramic connection blocks, which allow the connection of two independent A/B loudspeaker lines. ABT-S226/AB has been designed for application

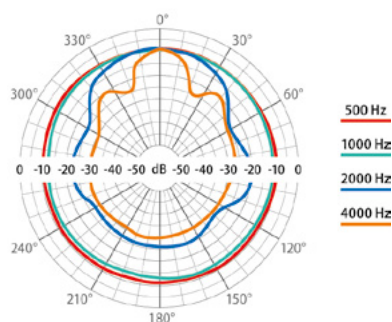
in rooms of such size and acoustic conditions that the design proposes one ceiling-mounted loudspeaker of VES standard. In case of a single fault on the loudspeaker line, there is no loss of the sound coverage. To be sure that our speakers meet the highest quality standards, we test them thoroughly according to procedures that guarantee excellent sound emission parameters,

safety and reliability. The loudspeaker offers adjustable power regulation through connection to applicable transformer tapings thus allowing suitable sound pressure level within areas of sound emission adequately to the character and acoustic conditions existing in those areas.

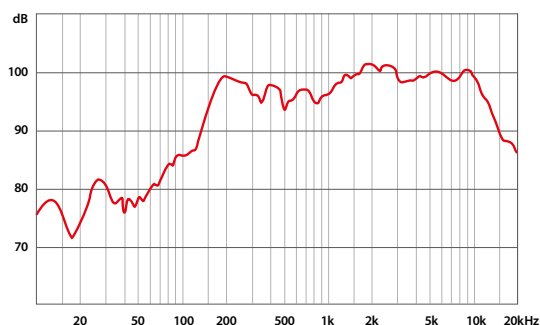


	ABT-S226/AB
Electrical	
Number of transducers	2
Rated power, W	2 × 6
Tappings 100 V line according to EN 54-24, W	2 × 6 / 3 / 1,5 / 0,75
Tappings 70 V line, W	2 × 3 / 1,5 / 0,75 / 0,37
Transformer impedance, Ω 100 V	2 × 1667 / 3333 / 6666 / 13333
Driver impedance, Ω	8
Effective frequency range, Hz	150–20000
Sensitivity @ 4 m, 1 W, dB	75
SPL @ 4 m, Rated power, dB	85
SPL @ 1 m, 1 W, dB, Test signal bandwidth 300 Hz–6 kHz	89
SPL @ 1 m, Rated power, dB, Test signal bandwidth 300 Hz–6 kHz	99
Horizontal dispersion at 500 Hz / 1 kHz / 2 kHz / 4 kHz, [°]	180 / 180 / 150 / 110
Vertical dispersion at 500 Hz / 1 kHz / 2 kHz / 4 kHz, [°]	180 / 160 / 80 / 40
Environmental	
Environmental type / IP Rating according to EN 54-24	A / IP21C
IP Rating	32
Min / Max Amb Temp	-10°C / 55°C
Mechanical	
Dimensions, mm	Height 115 mm , ø220
Net Weight, kg	1,8
Colour	White (RAL 9003)
Material	Steel
Mounting	Spring clamp
Option	
For DC line monitoring	Capacitor (ABT-S226C/AB)
Colour optional	RAL Palette
Ease Model	

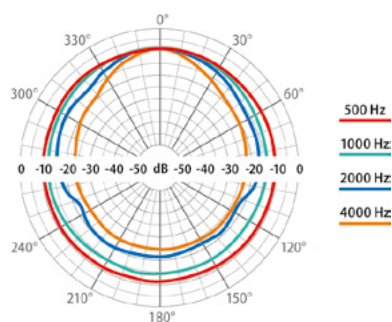
Circular chart of directional characteristic – horizontal:



Frequency band:



Circular chart of directional characteristic – vertical:



ABT-SW176/AB

EN 54-24

SURFACE MOUNTED AB LOUDSPEAKER

- ✓ *Compliance with EN 54-24*
- ✓ *Certificate of Conformity:
1438-CPR-0885*
- ✓ *Compliance with BS5839-8 standard
(thermal protection)*

**NEW!**

The ABT-SW176/AB is an elegant multi-function loudspeaker designed to guarantee the highest acoustic parameters. The loudspeaker can be mounted either on a wall or on a ceiling.

ABT-SW176/AB is equipped with two in-built drivers, two transformers, two thermal fuses and two ceramic connection blocks, which allow the connection of two independent A/B loudspeaker lines.

Our loudspeakers are perfect on any circulation routes and in staircases located in shopping centres, offices, schools, hotels, hospitals, and industrial buildings.

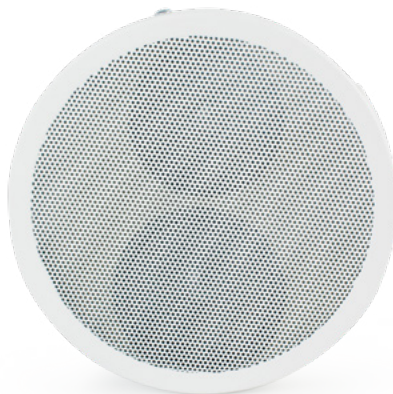
The loudspeaker mingles well with any interior and is virtually invisible thanks to its small dimensions and neat white finish.

The loudspeaker offers adjustable power regulation through connectivity to applicable transformer tapings thus allowing suitable acoustic pressure (the level of sound) within areas of sound emission adequately to the acoustic conditions existing in those areas.

To be quite sure our loudspeakers comply with the highest quality standards we test them thoroughly following the most meticulous procedures that warrant excellent parameters of sound emission, safety, and reliability. They are also recommended for use in any and all public address systems.

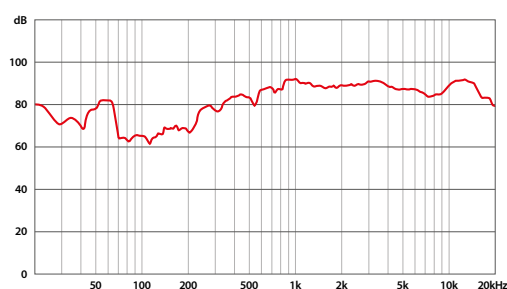
CHARACTERISTICS

- » *Easy and quick to mount*
- » *Modern and elegant design*
- » *High quality sound of both speech and music*
- » *Ideal for on-wall or on-ceiling mounting*
- » *6 W transformers with multiple branches ensuring accurate selection of output power*
- » *Operation of two A/B loudspeaker lines*

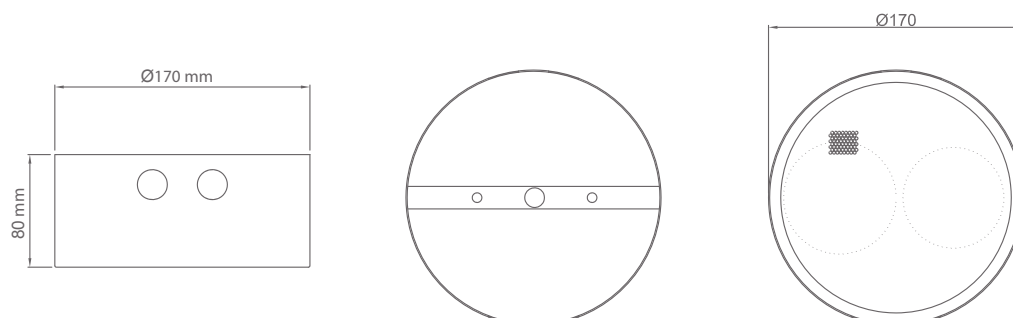
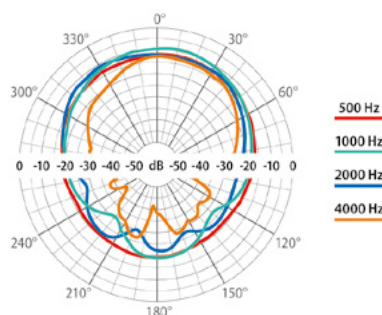


	ABT-SW176/AB
Electrical	
Rated power, W	2 x 6
Tappings 100 V line according to EN 54-24, W	2 x 6 / 3 / 1,5 / 0,75
Tappings 70 V line, W	2 x 3 / 1,5 / 0,75 / 0,37
Transformer impedance @ 100 V, Ω	2 x 1667/3333/6667/13333
Driver impedance, Ω	2 x 8
Effective frequency range, Hz	150 – 20 000
Sensitivity @ 4 m, 1 W, dB	74
SPL @ 4 m, rated power, dB	84
SPL @ 1 m, 1 W, dB, test signal bandwidth 300 Hz – 6 kHz	86
SPL @ 1 m, rated power, dB, test signal bandwidth 300 Hz – 6 kHz	96
Horizontal dispersion at 500 Hz / 1 kHz / 2 kHz / 4 kHz, [°]	360 / 160 / 75 / 40
Vertical dispersion at 500 Hz / 1 kHz / 2 kHz / 4 kHz, [°]	360 / 190 / 130 / 100
Environmental	
Environmental type / IP Rating according to EN 54-24	A / IP21C
IP Rating	32
Min./max. ambient temperature	-10°C / 55°C
Mechanical	
Dimensions, mm	Height 80, $\varnothing$ 170
Net weight, kg	1,26
Colour	White (RAL 9003) / Black (RAL 9011)
Material	Steel
Mounting	Screw
Option	
For DC line monitoring	Capacitor (ABT-SW176C/AB)
Colour optional	RAL palette
Ease Model	

Frequency band:



Circular chart of directional characteristic:



ABT-W6W/AB

WALL-MOUNTED AB LOUDSPEAKER

- ✓ *Compliance with EN 54-24*
- ✓ *Certificate of Conformity: 1438-CPR-0884*
- ✓ *Compliance with BS5839-8 standard (thermal protection)*



NEW!

The ABT-W6W/AB is an elegant multi-function loudspeaker designed to guarantee the highest acoustic parameters. The loudspeaker can be mounted either on a wall or on a ceiling.

ABT-W6W/AB is equipped with two in-built drivers, two transformers, two thermal fuses and two ceramic connection blocks, which allow the connection of two independent A/B loudspeaker lines.

Our loudspeakers are perfect on any norm and circulation routes and in staircases located in shopping centres, offices, schools, hotels, hospitals, and industrial buildings. The loudspeaker fits well in any interior thanks to its small dimensions and white finish.

The loudspeaker offers adjustable power regulation through connection to applicable transformer tapings thus allowing suitable sound pressure level within areas of sound emission adequately to the acoustic conditions existing in those areas.

To be sure that our speakers meet the highest quality standards, we test them thoroughly according to procedures

that guarantee excellent sound emission parameters, safety and reliability. They are also recommended for use in public address systems.

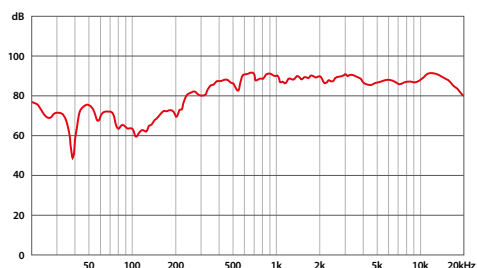
CHARACTERISTICS

- » *Easy and quick to mount*
- » *Modern and elegant design*
- » *High quality sound of both speech and music*
- » *Ideal for wall installation*
- » *6 W transformers with multiple branches ensuring accurate selection of output power*
- » *Operation of two A/B loudspeaker lines*

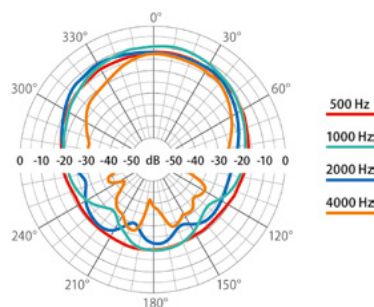


	ABT-W6W/AB
Electrical	
Rated power, W	2 x 6
Tappings 100 V line according to EN 54-24, W	2 x 6 / 3 / 1,5 / 0,75
Tappings 70 V line, W	2 x 3/1,5/0,75/0,37
Transformer impedance @ 100 V, Ω	2 x 1667/3333/6667/13333
Driver impedance, Ω	2 x 8
Effective frequency range, Hz	150 – 20 000
Sensitivity @ 4 m, 1 W, dB	75
SPL @ 4 m, rated power, dB	84
SPL @ 1 m, 1 W, dB, test signal bandwidth 300 Hz – 6 kHz	87
SPL @ 1 m, rated power, dB, test signal bandwidth 300 Hz – 6 kHz	96
Horizontal dispersion at 500 Hz / 1 kHz / 2 kHz / 4 kHz, [°]	225 / 135 / 70 / 45
Vertical dispersion at 500 Hz / 1 kHz / 2 kHz / 4 kHz, [°]	245 / 190 / 140 / 115
Environmental	
Environmental type / IP rating according to EN 54-24	A / IP21C
IP rating	32
Min./max. ambient temperature	-10°C / 55°C
Mechanical	
Dimensions, mm	254 x 196 x 78
Net weight, kg	1,99
Colour	White (RAL 9003)
Material	MDF
Mounting	Screw
Option	
For DC line monitoring	Capacitor (ABT-W6WC/AB)
Ease Model	

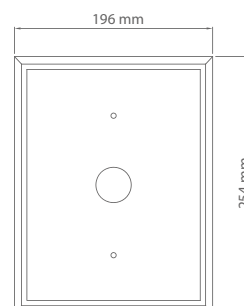
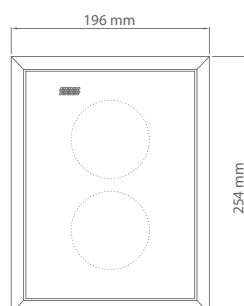
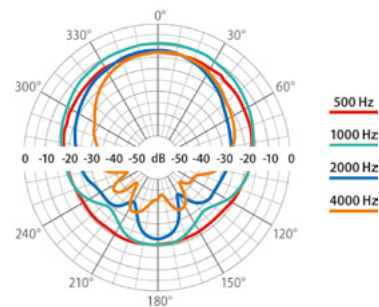
Frequency band:



Circular chart of directional characteristic – horizontal:



Circular chart of directional characteristic – vertical:



ABT-W6/AB

EN 54-24

WALL-MOUNTED AB LOUDSPEAKER

- ✓ *Compliance with EN 54-24*
- ✓ *Certificate of Conformity issued by CNBOP: 1438-CPR-0413*
- ✓ *Compliance with BS5839-8 standard (thermal protection)*



The ABT-W6/AB is an elegant multi-function loudspeaker designed to guarantee the highest acoustic parameters. Its solid casing offers an effective protection against acts of vandalism. The loudspeaker can be mounted either on a wall or on a ceiling.

Additionally, the ABT-W6/AB loudspeaker can be fixed as an recessed speaker and therefore it is an ideal solution for rooms where aesthetic factors play a significant role.

The loudspeaker offers adjustable power regulation through connectivity to applicable transformer tapings thus allowing suitable acoustic pressure (the level of sound) within areas of sound emission adequately to the acoustic conditions existing in those areas.

Unlike the standard wall-mounted fire alarm loudspeakers; the ABT-W6/AB is equipped with two in-built electro-acoustic transducers, two transformers and two separate sets of ceramic clamps and fuses, which allow connectivity of two independent A/B loudspeaker lines.

ABT-W6/AB has been designed for application in rooms of such size and acoustic conditions that the design proposes one wall-mounted loudspeaker of VES standard. However, in case of a single fault on the loudspeaker line, there is no loss of the sound coverage area in rooms with installed wall-mounted ABT-W6/AB loudspeakers.

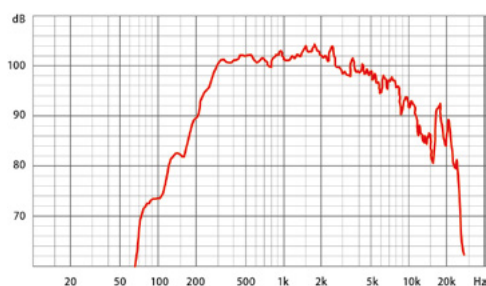
CHARACTERISTICS

- » *Easy and quick to mount*
- » *Modern and elegant design*
- » *High quality sound of both speech and music*
- » *Ideal for on-wall or in-wall mounting*

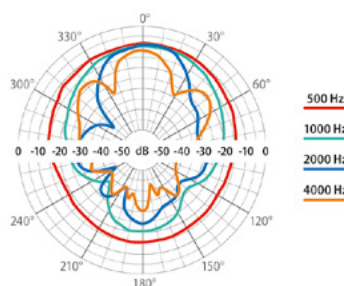


	ABT-W6/AB
Electrical	
Rated power, W	2 × 6
Tappings 100 V line according to EN 54-24, W	2 × 6/3/1,5/0,75
Tappings 70 V line, W	2 × 3/1,5/0,75/0,37
Transformer impedance @ 100 V, Ω	2 × 1667/3333/6667/13333
Driver impedance, Ω	2 × 8
Effective frequency range, Hz	150 – 20 000
Sensitivity @ 4 m, 1 W, dB	84
SPL @ 4 m, rated power, dB	91
SPL @ 1 m, 1 W, dB, test signal bandwidth 300 Hz – 6 kHz	97
SPL @ 1 m, rated power, dB, test signal bandwidth 300 Hz – 6 kHz	104
Dispersion at 500 Hz / 1 kHz / 2 kHz / 4 kHz, [°]	180 / 165 / 53 / 30
Environmental	
Environmental type / IP rating according to EN 54-24	A / IP21C
IP rating	32
Min./max. ambient temperature	-10°C / 55°C
Mechanical	
Dimensions, mm	260 × 180 × 80
Net weight, kg	2,25
Colour	White (RAL 9003)
Material	Steel
Mounting	Screw
Option	
For DC line monitoring	Capacitor
Colour optional	RAL palette
Ease Model	
	✓

Frequency band:



Circular chart of directional characteristic – horizontal:



Circular chart of directional characteristic – vertical:

