

ABT-M15 / M30 / M50

EN 54-24

2-WAY WALL MOUNTED MONITOR SPEAKER

- ✓ *Compliance with EN 54-24*
- ✓ *Certificate of Conformity issued by CNBOP: 1438-CPR-1030*
- ✓ *Compliance with BS5839-8 standard (thermal protection)*



ABT-M15, ABT-M30, and ABT-M50 are two-way wall-mounted speaker monitors with power ratings of 15W, 30W, and 50W. They are designed for use in evacuation systems compliant with the EN54 standard, providing excellent sound quality and meeting safety requirements. These speakers offer high sensitivity and a wide frequency range, ensuring clear and intelligible voice communication.

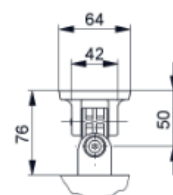
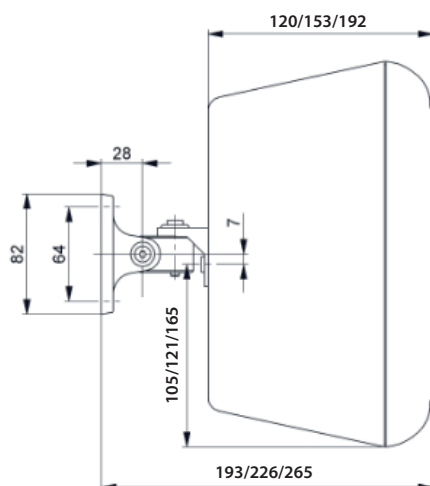
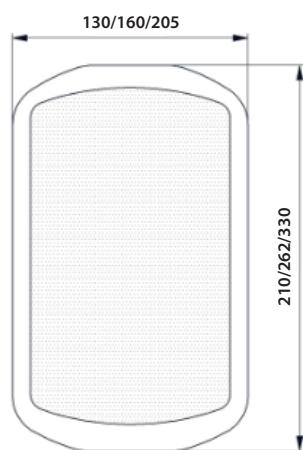
Each speaker is equipped with a 100V line transformer with four power settings and

can also operate at low impedance. The housing made of high-quality ABS guarantees long-lasting durability and an aesthetic appearance. The high protection class of IP 65 ensures resistance to dust and splashes, allowing for installation both indoors and outdoors.

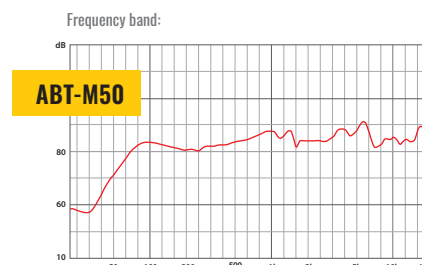
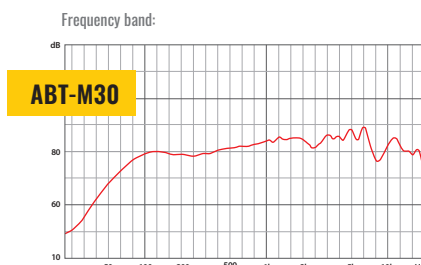
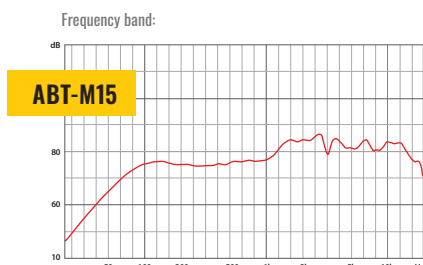
With their elegant appearance and ease of installation, they are ideal for use in galleries, restaurants, schools, hotels, hospitals, and other public spaces.

CHARACTERISTICS

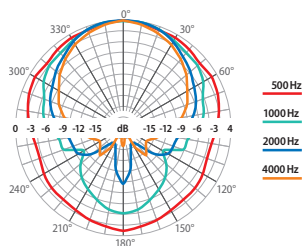
- » **High Sound Quality:** Two-way design provides full and clear sound.
- » **Application Flexibility:** Available in 15W, 30W, and 50W versions.
- » **Robust Construction:** Made from high-quality materials ensuring durability.
- » **Environmental Resistance:** High protection class IP 65.
- » **Aesthetic:** Elegant appearance suitable for various interiors.



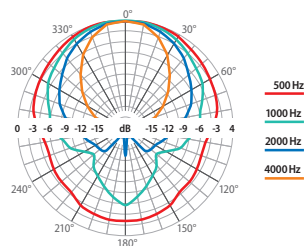
	ABT-M15	ABT-M30	ABT-M50
Electrical			
Rated power, W	15	30	50
Tappings 100 V line according to EN 54-24, W	15 / 7,5 / 3,75 / 1,8	30 / 15 / 7,5 / 3,75	50 / 25 / 12,5 / 6,25
Tappings 70V line, W	7,5 / 3,75 / 1,8 / 0,9	15 / 7,5 / 3,75 / 1,87	25 / 12,5 / 6,25 / 3,125
Transformer impedance @ 100 V, Ω	667 / 1333 / 2666 / 5555	333 / 667 / 1333 / 4000	200 / 400 / 800 / 1600
Driver impedance, Ω	8	8	8
Effective frequency range, Hz	70–20000	60–20000	50–20000
Sensitivity @ 4 m, 1 W, dB	68	70	72
SPL @ 4 m, rated power, dB	81	86	91
SPL @ 1 m, 1 W, dB,	80	82	84
SPL @ 1 m, rated power, dB,	93	98	103
Horizontal dispersion at 500 Hz / 1 kHz / 2 kHz / 4 kHz, [°]	360 / 220 / 135 / 150	360 / 200 / 130 / 120	360 / 200 / 110 / 80
Vertical dispersion at 500 Hz / 1 kHz / 2 kHz / 4 kHz, [°]	360 / 190 / 130 / 165	360 / 160 / 100 / 40	360 / 155 / 120 / 25
Environmental			
Environmental type / IP rating according to EN 54-24	B/IP33C		
IP rating	65		
Min./max. ambient temperature	-25 °C / 70 °C		
Mechanical			
Dimensions, mm	210 × 130 × 120	262 × 160 × 153	330 × 205 × 192
Net weight, kg	1,75	2,50	3,65
Colour	White / Black		
Material	ABS		
Mounting	Swivel bracket		
Ease Model	✓		



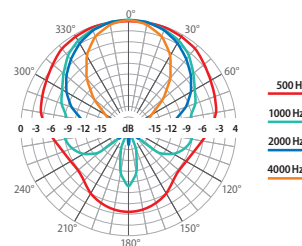
Circular chart of directional characteristic – horizontal:



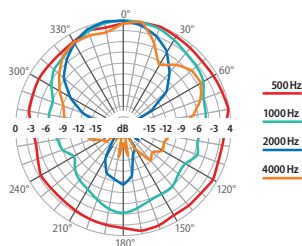
Circular chart of directional characteristic – horizontal:



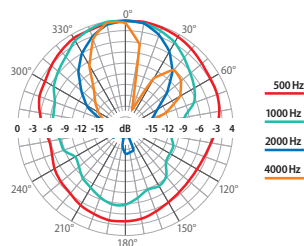
Wykres kołowy charakterystyki kierunkowej – horyzontalny:



Circular chart of directional characteristic – vertical:



Circular chart of directional characteristic – vertical:



Circular chart of directional characteristic – vertical:

