

ABT-T1310/T2115/T2330

EN 54-24

HORN-TYPE LOUDSPEAKERS

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



ABT-T1310, ABT-T2115, and ABT-T2330 are a family of horn speakers with power ratings of 10W, 15W, and 30W, designed for voice evacuation systems (VES). These speakers offer high sensitivity and directional sound dispersion. With housings made of fire-resistant ABS, these products ensure long-term durability and reliability, even in challenging environmental conditions.

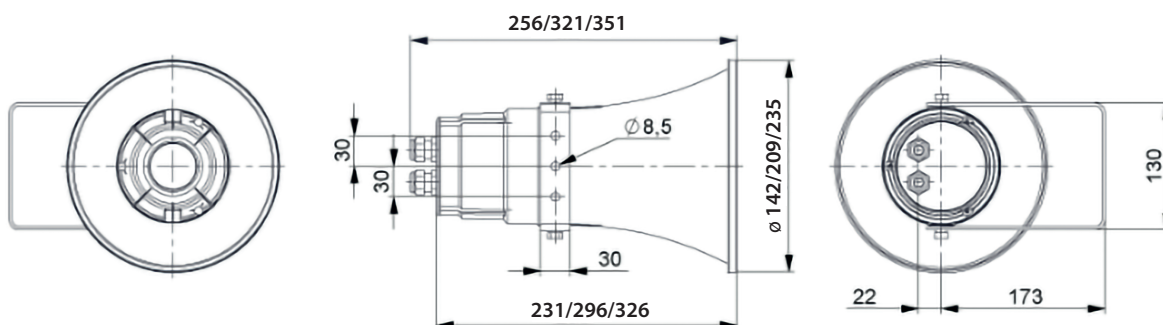
Each speaker is equipped with a 100V line transformer with four power settings and the ability to operate at low impedance.

The high protection class of IP 66 guarantees resistance to external factors, while additional safety features such as a ceramic connection block and thermal fuse enhance reliability in emergency situations by protecting the continuity of the speaker line from interruption or short circuits in the event of a fire.

The ABT-T1310, ABT-T2115, and ABT-T2330 speakers comply with EN 54-24 and BS 5839 standards, ensuring their reliability and safety.

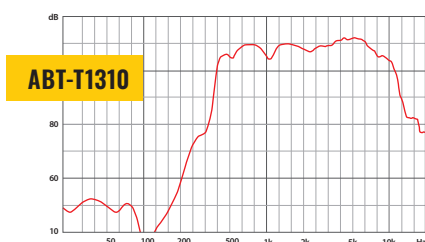
CHARACTERISTICS

- » ***Directional characteristic of sound emission and high sensitivity***
- » ***Working environment – B***
- » ***Wall and ceiling installation***
- » ***Protection from dust and humidity: IP66 rating***
- » ***Casing made of self-extinguishing ABS UL94V0 plastic, with steel assembling jig***
- » ***100% line protection from short-circuit and break in fire conditions***

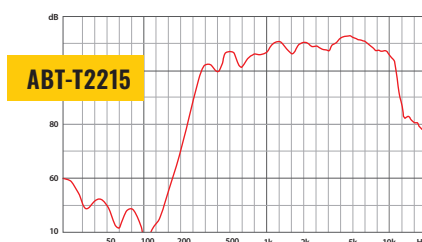


	ABT-T1310	ABT-T2115	ABT-T2330
Electrical			
Rated power, W	10	15	30
Tappings 100 V line according to EN 54-24, W	10 / 5 / 2,5 / 1,25	15 / 7,5 / 3,75 / 1,9	30 / 20 / 10 / 5
Tappings 70V line, W	5 / 2,5 / 1,25 / 0,62	7,5 / 3,75 / 1,87 / 0,85	15 / 10 / 5 / 2,5
Transformer impedance @ 100 V, Ω	1000 / 2000 / 4000 / 8000	667 / 1333 / 2667 / 5263	333 / 500 / 1000 / 2000
Driver impedance, Ω	20	20	20
Effective frequency range, Hz	370–13600	370–13600	250–15000
Sensitivity @ 4 m, 1 W, dB	83	83	85
SPL @ 4 m, rated power, dB	91	93	96
SPL @ 1 m, 1 W, dB, test signal bandwidth 300 Hz–6 kHz	95	95	97
SPL @ 1 m, rated power, dB, test signal bandwidth 300 Hz–6 kHz	103	107	108
Dispersion at 500 Hz / 1 kHz / 2 kHz / 4 kHz, [°]	360 / 360 / 105 / 50	360 / 110 / 70 / 40	155 / 110 / 65 / 35
Environmental			
Environmental type / IP rating according to EN 54-24	B/IP33C		
IP rating	66		
Min./max. ambient temperature	-25 °C / 70 °C		
Mechanical			
Dimensions, mm	Length 256, ø 142	Length 321 ø 209	Length 351, ø 235
Net weight, kg	1,9	2,08	2,27
Colour	Light grey (RAL 7035)		
Material	ABS UL94V0		
Mounting	Screw, U type bracket		
Option			
For DC line monitoring	Capacitor		
Ease Model	✓		

Frequency band:



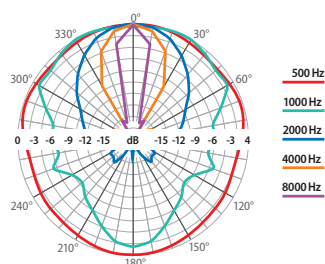
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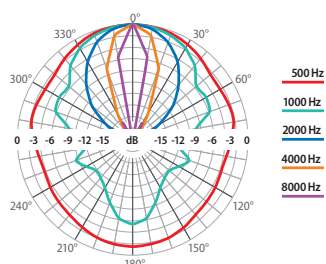
Frequency band:



Circular chart of directional characteristic:



Circular chart of directional characteristic:



Circular chart of directional characteristic:

