



- Section
- Category
- Code
- References

**EN54 Voice Evacuation Systems**

**EN54-24 Loudspeakers**

**C406-EN**

**Safety:** Compliant to EN 50200, EN 62368-1

**Emergency:** EN54-24:2008 (cert. no. 0068/CPR/153-2020)  
ISO 7240-19:2010 - CEN/TS 54-32:2015 - EN 50849

**Application:** Indoor environment (Type A)

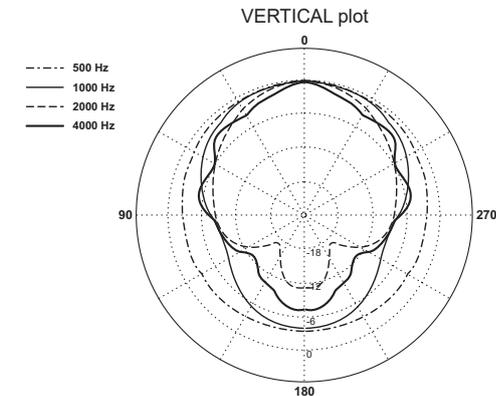
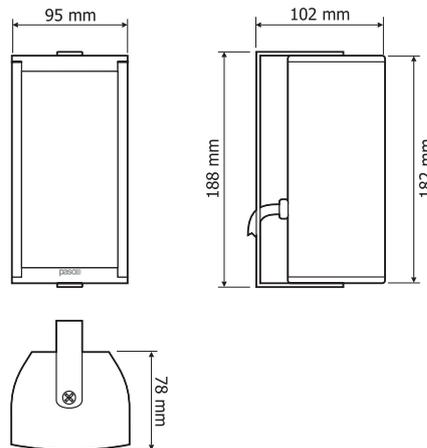
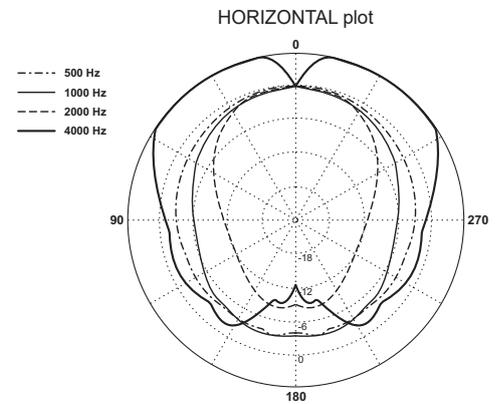
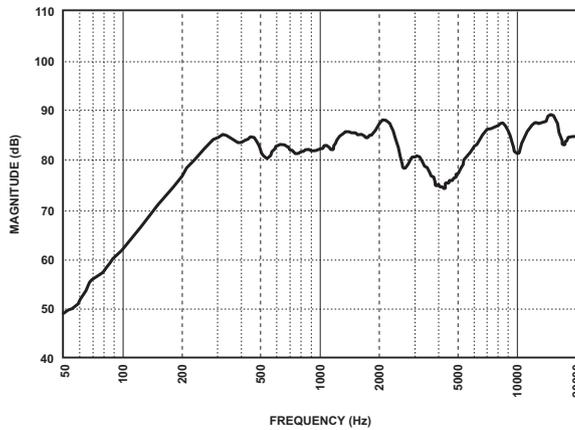


**Description**

**EN54-24 6W Two-way speaker unit for voice alarm systems**

The **C406-EN** speaker unit uses two high-performance loudspeakers which give it an excellent sensitivity value (efficiency). Reproduction of the middle-to-low notes is entrusted to an extended-range cone loudspeaker, while a suitably filtered dome-type tweeter reproduces the high notes. Delivery of the sound is angled and linear, and voice messages are distinct and intelligible even in difficult listening conditions (loud background noise or environments with a high level of reverberation), while broadcasts of background music, which is played at a low level, are particularly pleasant. This model can be used effectively in a multiple configuration, either for providing diffused sound broadcasting - when limited layout dimensions are an extremely important consideration - or as a supplementary speakers in centralised broadcasting systems (clusters), for example covering areas which cannot be reached by the main speakers. This speaker unit has been developed specifically for use in emergency and evacuation systems (VES) and has its own ceramic terminal strip and thermal fuse. These ensure the protection of the line connecting the loudspeakers if a fire puts one or more of the speaker units connected to it out of use. Each speaker is supplied with a "C"-shaped bracket for securing it to a wall or ceiling.

**Technical data**



Technical data

C406-EN



20

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0068

0068/CPR/153-2020

**EN 54-24**

Loudspeaker for voice alarm systems  
for fire detection and fire alarm systems for buildings

**C406-EN**

Type A

No. of loudspeakers	2
Rated output	6 W
Adjustable power	6 W / 3 W / 1,5 W
Line transformer inputs	50 V / 70 V / 100 V
Rated impedance (100V line)	1670 Ω (6 W) / 3300 Ω (3 W), 6670 Ω (1,5 W)
Frequency response @ -6dB	170 ÷ 20.000 Hz
Efficiency @ 1W/1m	84 dB
Maximum acoustic pressure SPL @ Pmax/1m	92 dB
Horizontal dispersion angle (- 6dB)	500 Hz: 360° 1 kHz: 180° 2 kHz: 100° 4 kHz: 320°
Vertical dispersion angle (- 6dB)	500 Hz: 360° 1 kHz: 160° 2 kHz: 120° 4 kHz: 170°
Material	Aluminium structure
Colour	White
Size	95 x 182 x 78 mm
Net weight	1,2 kg