



VELOX VWS-12-AB-FP-EN

12W Wall Mount Speaker, Class-AB,
ABS, Flush Mount, Thermal Fuse,
Certiifed EN54-24



Description

Flush-mounted wall speaker with a black ABS-plastic housing for Voice alarm Applications, certified EN 54-24, suitable for voice announcements and background music with excellent sound quality in buildings. The VWS-12-AB-FP-EN is designed with two independent speakers and 100V transformers to enable an economic operation of two separated speaker lines (A/B-lines) for highest security demands. In case of a failure of one speaker line the redundancy of the chassis and the transformers will guarantee unimpaired function.

The 2 x 6W powered speaker is equipped with two full range loudspeakers and two 100V transformer with 3 power adjustments, each. For additional reliability, a 2x2-pin-ceramic block, thermal fuses are provided and the speaker chassis are impregnated against wetness. The speaker is also secured with protection class IP 21C against the security risks of environmental influences.

The connecting cables can be supplied by 2 rubber grommets on each side of the rear housing. The speaker is also compliant with the British Standard BS 5839, Part 8. Quick and easy mounting with screws.

- Quick mounting
- Highest reliability
- BS 5839



Standard & Approvals

VELOX loudspeakers are tested and classified according to the IEC standard 60529 (degree of protection by enclosure) against the penetration of foreign objects and moisture.

The classification is conforming to standards through characterization with a fixed code. This code consists of the letters IP (International Protection) followed by two digits.

The first digit indicates the degree of protection against dust and the second digit the degree of protection against water. Please note that the testing of the products has been carried out in laboratory conditions which are not always 100% comparable with the conditions of different installation environments. This protection can be reduced due to normal wear and tear depending on the installation environment.

RoHS compliant (2011/65/EU)

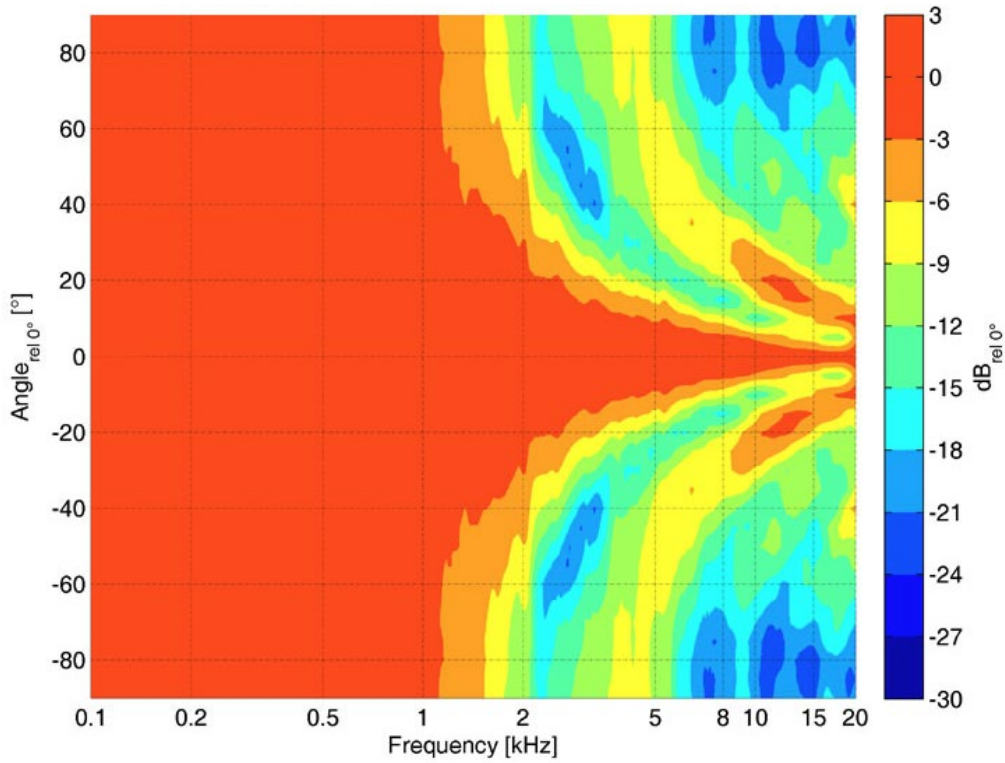
The IP rating specified is based on VELOX test results, not on CNBOP-PIB test results. Certification only verifies the minimum requirements for EN54-24 compliance.



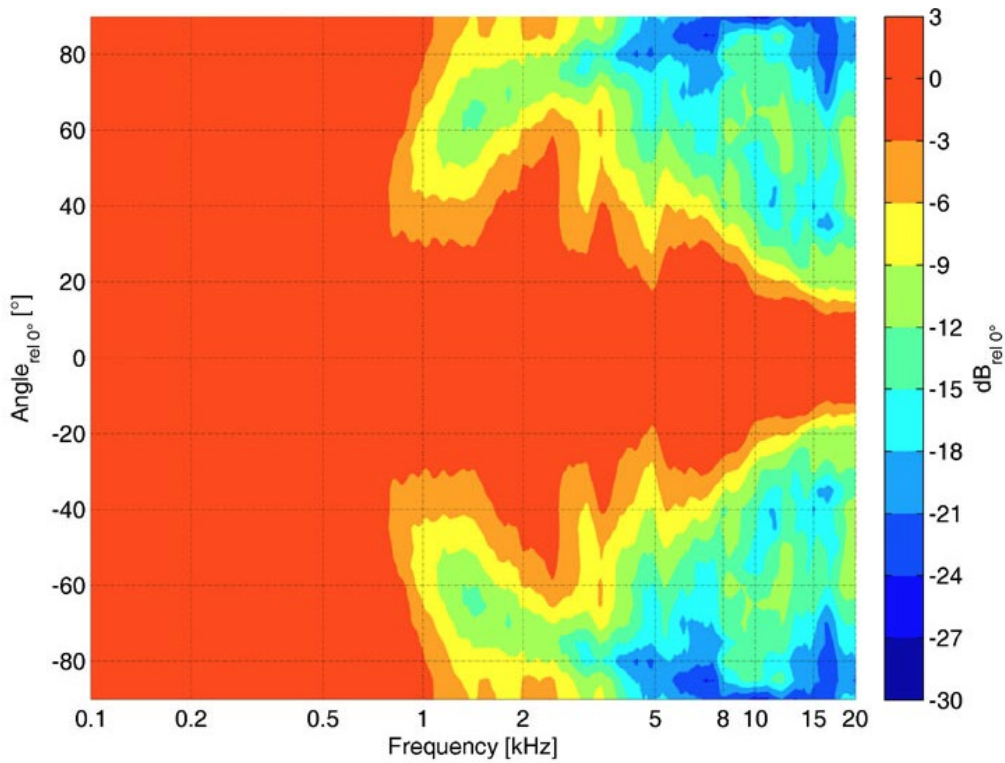
EN 54-24:2008
Ref. Nr.: 018-15
ID-Code: SAA-LS18
xxx-CPR-xxxx

Polar Diagrams

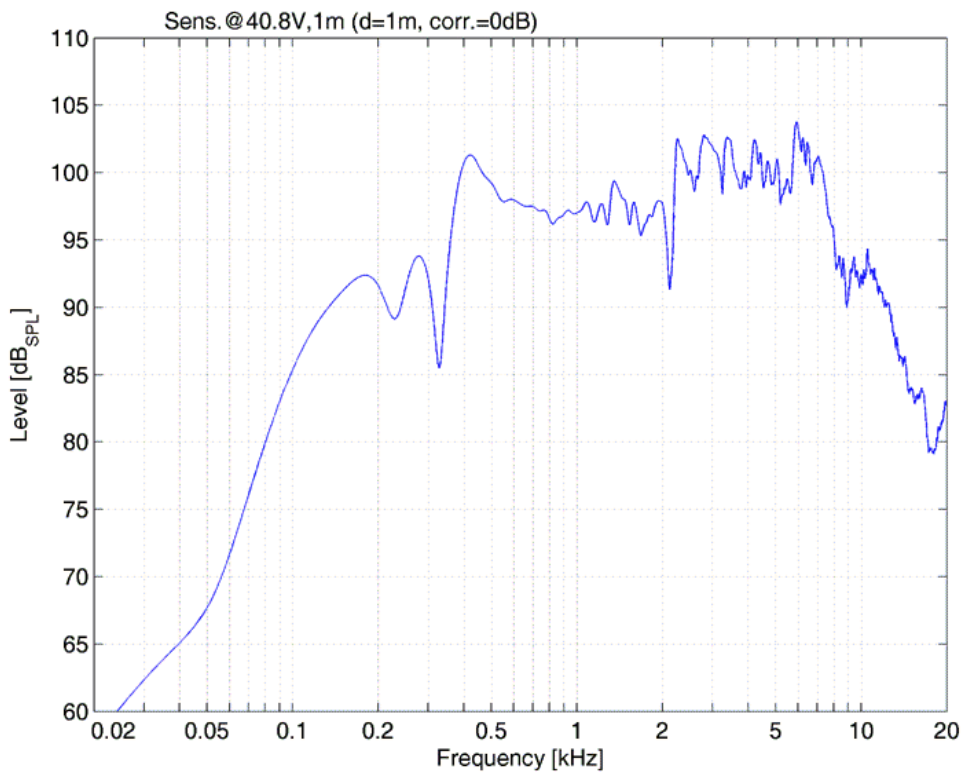
Horizontal isobars



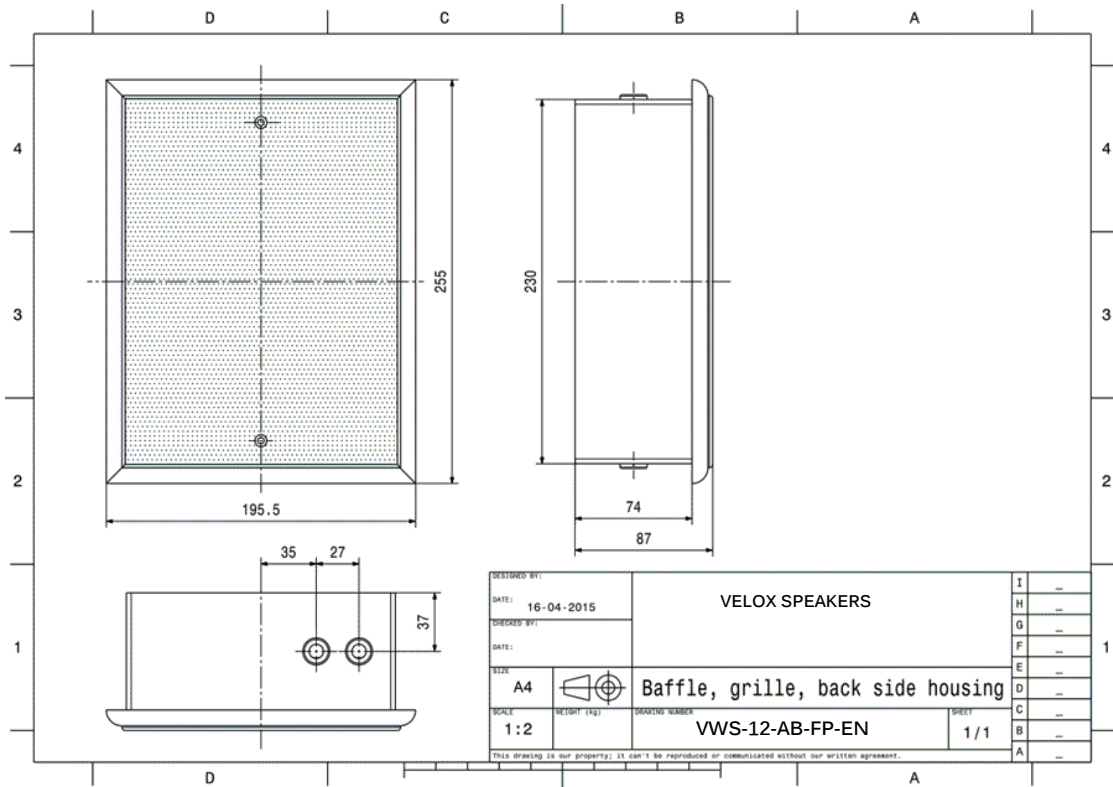
Vertical isobars



Frequency Response Diagrams



Technical Diagrams



Technical Data (Electrical)

Feature	Description
Power	2x6/3/1,5 W
Impedance (100V)	2 x 1667/3333/6667 ohm
Frequency Range	126 - 12.300 Hz (single) 139 - 12.200 Hz (double)
Frequency Response	93 - 15.400 Hz (single) 106 - 15.400 Hz(double)
SPL 1W/1m, peak	95,7 dB (single) 101,6 dB (double)
SPL , 1W/4m, peak	83,7 dB (single) 89,6 dB (double)
SPL Pmax/4m, peak	91,4 dB (single) 97,3 dB (double)
SPL, rated noise power / 4m	84,0 dB (single) 90,0 dB (double)
Sensitivity EN54-24, 1W/4m	77,0 dB (single) 80,0 dB (double)
Sensitivity EN54-24, 1W/1m	89,0 dB (single) 92,0 dB (double)
Dispersion -6dB, 500Hz	single h/v 180°/ 175° double h/v 180°/175°
Dispersion -6dB, 1KHz	single h/v 160° double h/v 160°/150°
Dispersion -6dB, 2KHz	single h/v 160°/150° double h/v 100°/75°
Dispersion -6dB, 4KHz	single h/v 120°/60° double h/v 40°/35°



Made for VELOX in Germany

Technical Data (Mechanical)

Feature	Description
Dimensions	255 x 194,5 x 87 mm
IP Rating	IP21
Weight (net)	1,57 kg
Temperature range	-10 / +55 C°
Mounting	Screws
Connector	2-pin ceramic block
Colour	white

Order code

Part No.	Description
VWS-12-AB-FP-EN	12W Wall Mount Speaker, Class-AB, ABS, Flush Mount, Thermal Fuse, Certified EN54-24