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BRITISH ACOUSTIC TECHNOLOGY

ENA-C610

Data Sheet

ENA-C610

Precision Voice Alarm. Engineered for Safety

The **ENA-C610** is an advanced EN54-24 certified ceiling loudspeaker, specifically engineered for critical public address and voice evacuation systems. It features a robust 6.5″ driver and an integrated steel fire dome to provide maximum protection in ceiling voids.

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Engineered for Safety, Built for Clarity

Designed for high-risk environments, it guarantees superior speech intelligibility. With selectable 10W, 5W, and 2.5W power taps, the **ENA-C610** delivers reliable audio coverage during emergency scenarios.

Smart Safety, Simple Install

The **ENA-C610** ensures unwavering circuit integrity through ceramic connectors and a built-in thermal fuse. Combining a flame-retardant ABS V0 face with a rugged steel back box, it utilizes spring-loaded clamps for fast and secure flush-mount installation.

Technical Specifications

Unit	ENA-C610
Standards:	EN54-24:2008 Loudspeaker for voice alarm system, fire detection & fire alarm system
Environmental Class EN54-24:	Type A, indoor applications
IP Rating:	IP21C (ENG0529)
Speaker Unit:	6.5" 1 way dual cone, full range
Transformer Taps:	(100V) 10W-5W-2.5W
Freq. Response:	350~18,00 Hz (-10dB)
Sensitivity (1w@1m):	90dB
Max SPL. (Pmax/1m):	100dB
Rated Power:	10W
Max Power:	20W
Impedance @1kHz:	1 kΩ (10W), 2 kΩ (5W), 4 kΩ (2.5W)
Coverage Angle (-6dB):	360° (500 Hz), 236° (1 kHz), 86° (2 kHz), 64° (4 kHz), 27° (8 kHz)
Directivity Index DI (dB):	2.6 (500 Hz), 3.3 (1 kHz), 7.1 (2 kHz), 8.5 (4 kHz), 10.8 (8 kHz)
Directivity Factor Q:	1.8 (500 Hz), 2.2 (1 kHz), 5.2 (2 kHz), 7.0 (4 kHz), 12.0 (8 kHz)

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Technical Specifications

Unit	ENA-C610
Dimensions (Ø-P):	Ø200mm (Diameter) - 100mm (Depth)
Cutout Size:	Ø168mm - Ø171mm
Weight:	1.1 kg
Material:	Steel dome, painted grid in aluminium
Connections:	Ceramic connectors & thermal fuse, double cable ferrules
Mounting Way:	Two integral spring-loaded quick-mounted locking clamps

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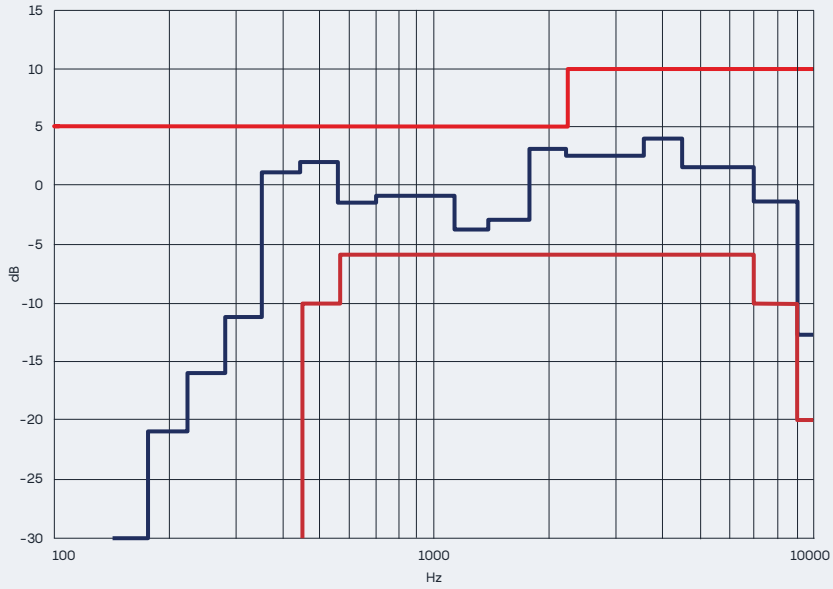
Technical Data

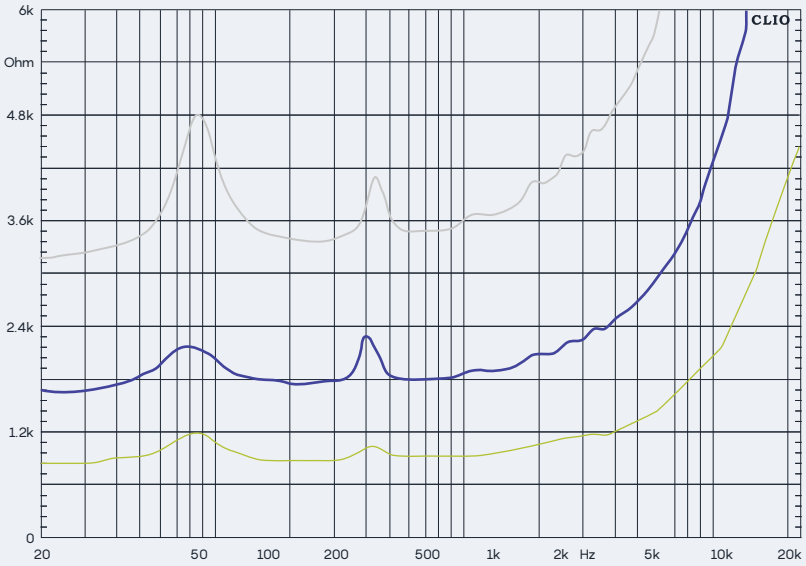
Frequency Response

Measurement on IEC standard baffle, SPLMAX @ 4m



Impedance Diagram

Measurements at different power taps: 10W - 5W - 2.5W



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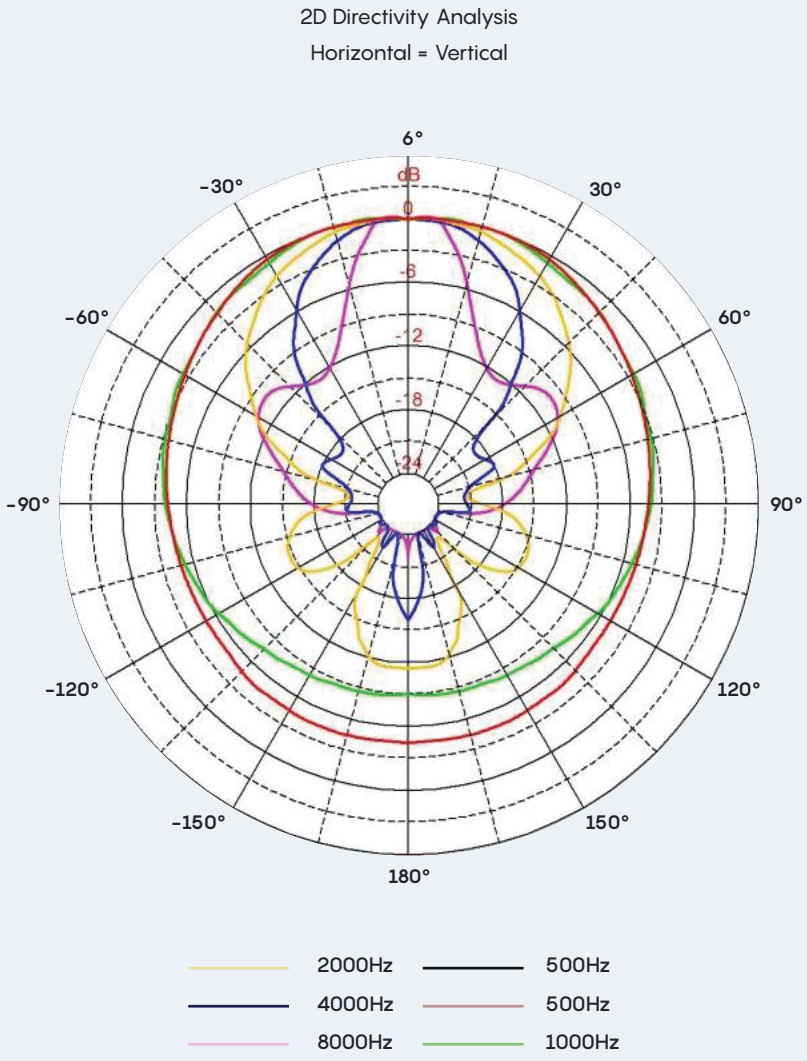
Technical Data

Polar Diagram



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