

ENA - C 606

Data Sheet

ENA - C606

Precision Voice Alarm. Engineered for Safety

The ENA-C606 is a premium, EN54-24 certified ceiling loudspeaker, meticulously engineered for critical public address and voice evacuation systems. It delivers clear and intelligible voice messages within a durable and fire-resistant design. Featuring a wide-band 6.5" driver and an integrated metal fire dome for enhanced safety, the ENA-C606 is designed for seamless flush-mount installation in diverse architectural spaces, ensuring robust life safety compliance in standard indoor environments.



Engineered for Safety, Built for Clarity

Engineered for critical voice evacuation. Its 6.5-inch dual cone driver is optimized for wide-band audio and vocal clarity. Selectable 6W, 3W, and 1.5W power taps ensure flexible coverage across diverse architectural spaces.

Smart Safety, Simple Install

Superior fire protection is achieved through an integrated metal fire can, alongside a thermal fuse and ceramic connectors for secure wiring. The robust ABS V0 body features spring-loaded clamps and double cable ferrules, enabling rapid flush-mount installation and seamless daisy-chaining.

Technical Specifications

Unit	ENA-C606
Standards:	EN54-24:2008 Loudspeaker for voice alarm system for 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) 6W-3W-1.5W
Freq. Response:	350~20,000 Hz (-10dB)
Sensitivity (1w@1m):	88dB
Max SPL. (Pmax/1m):	96dB
Rated Power:	6W
Max Power:	12W
Impedance @1kHz:	1.66 k Ω (6W), 3.33 k Ω (3W), 6.66 k Ω (1.5W)
Coverage Angle (-6dB):	281° (500 Hz), 170° (1 kHz), 87° (2 kHz), 52° (4 kHz), 30° (8 kHz)
Directivity Index DI (dB):	2.8 (500 Hz), 4.0 (1 kHz), 7.1 (2 kHz), 9.2 (4 kHz), 11.3 (8 kHz)
Directivity Factor Q:	1.9 (500 Hz), 2.5 (1 kHz), 5.1 (2 kHz), 8.4 (4 kHz), 13.6 (8 kHz)

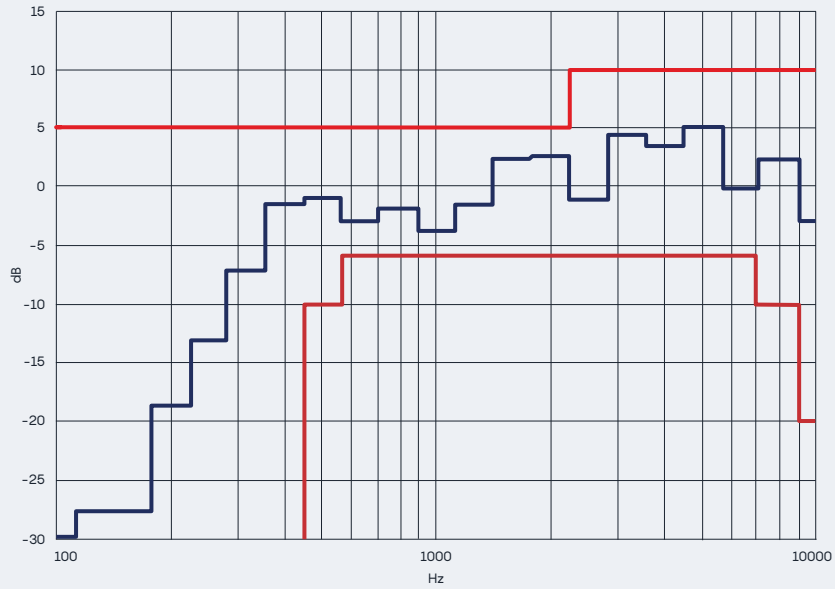
Technical Specifications

Unit	ENA-C606
Dimensions (Ø-P):	Ø190mm (Diameter) - 108mm (Depth)
Cutout Size:	Ø168mm - Ø172mm
Weight:	1.0kg
Material:	ABS V0 type body, painted aluminium grille
Connections:	Ceramic connectors & thermal fuse, double cable ferrules
Mounting Way:	Two integral spring-loaded quick-mounted locking clamps

Technical Data

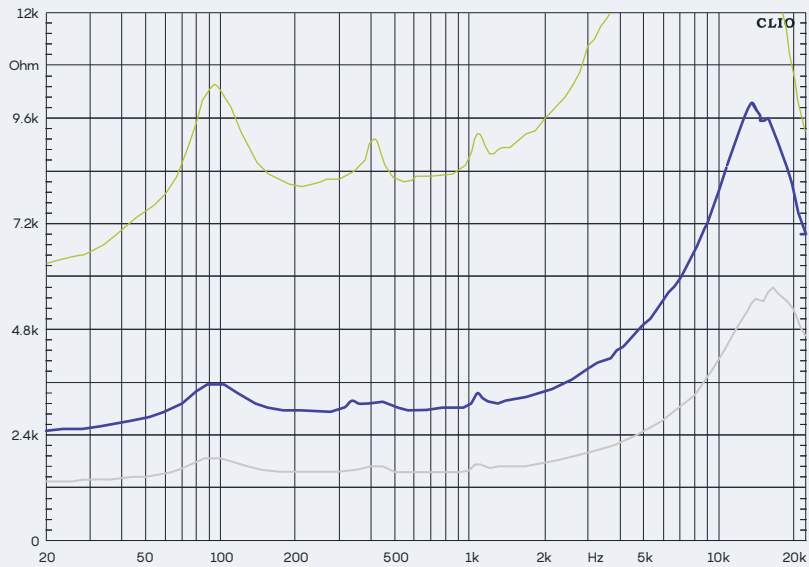
Frequency Response

Measurement on IEC standard baffle, SPLMAX @ 4m



Impedance Diagram

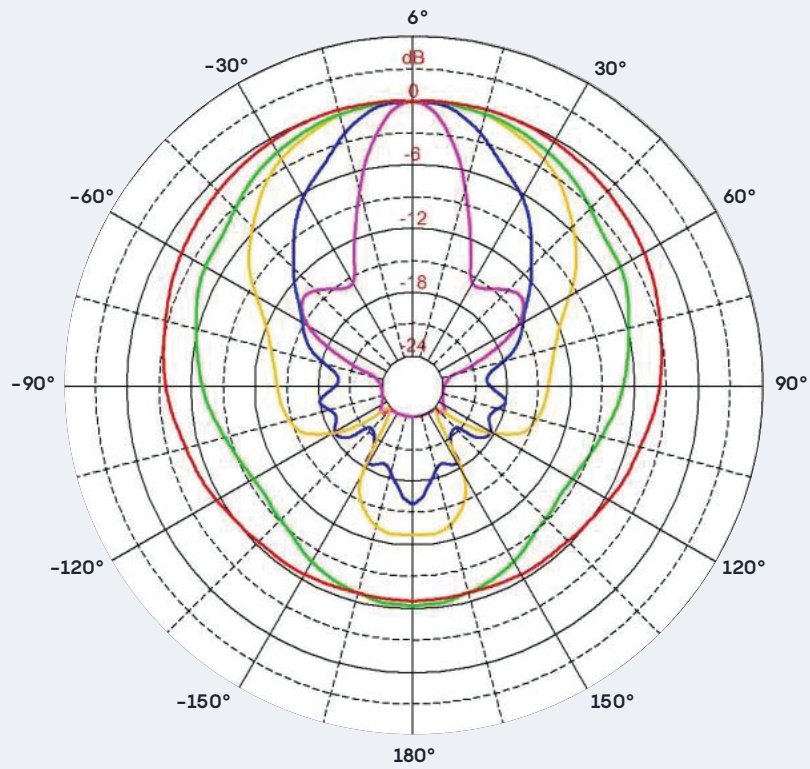
Measurements at different power taps: 6W - 3W - 1.5W



Technical Data

Polar Diagram

2D Directivity Analysis
Horizontal = Vertical



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