

Description

The SC-630M EB-Q is a compact, highly intelligible speaker suited to public address announcement applications. Its external speaker component finished with power coating, and stainless steel bracket and screws ensure the unit's weatherproof capability.

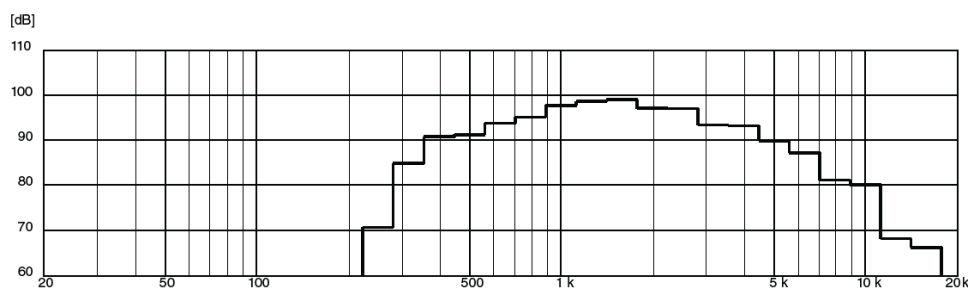
Specifications

Standards	Certified to the EU standard EN 54-24:2008 Loudspeaker for voice alarm systems for fire detection and fire alarm systems Certificate no.: 1438-CPR-0280; DoP: 1438-CPD-0280
Enclosure	Sealed type
Environmental type	Type B (outdoor applications)
Rated noise power	30 W (100 V line and 70 V line)
Rated impedance	100 V line: 330 Ω (30 W), 670 Ω (15 W), 1 k Ω (10 W), 2 k Ω (5 W) 70 V line: 170 Ω (30 W), 330 Ω (15 W), 1 k Ω (5 W), 2 k Ω (2.5 W)
Sensitivity	113 dB (1 W, 1 m at 500 Hz to 2.5 kHz peak level) 99 dB (1 W, 1 m at 100 Hz to 10 kHz pink noise) 87 dB (1 W, 4 m at 100 Hz to 10 kHz pink noise)
Max. SPL	111 dB (30 W, 1 m at 100 Hz to 10 kHz pink noise) 99 dB (30 W, 4 m at 100 Hz to 10 kHz pink noise)
Frequency response	250 Hz – 10 kHz
Coverage angle (-6 dB)	Horizontal: 360° (500 Hz), 115° (1 kHz), 73° (2 kHz), 33° (4 kHz) Vertical: 360° (500 Hz), 86° (1 kHz), 53° (2 kHz), 32° (4 kHz)
Operating temperature	-20°C to +55°C
Dust/water protection	IP33C (according to EN 54-24) IP65
Cable polarity	Hot: black, Com: white
Finish	Horn flare: aluminum, off-white, powder coating Reflector horn, trans case: ABS resin, off-white Bracket, screws and bolts: stainless steel
Dimensions	285 (W) x 227 (H) x 277 (D) mm
Weight	2 kg

Notes

- The design and specifications are subject to change without notice for improvement.
- The specifications data were measured in an anechoic chamber, according to EN 54-24.
- Reference axis: The axis is on the centre horn mouth and perpendicular to the horn mouth.
- Reference plane: the plane is on horn mouth and perpendicular to the reference axis.
- Horizontal plane: the plane is containing the reference axis and perpendicular to the reference plane

Frequency response



Frequency response (1 W, 4 m)

■ Equalizer Required

To fit the frequency response to the EN 54-24 tolerance curve.

Use an equalizer with the settings stated below to comply with the EN 54-24 requirements.

Graphic equalizer

Equalizer	Frequency	500 Hz	630 Hz	800 Hz	1 kHz	1.6 kHz	2 kHz	2,5 kHz	3.15 kHz
1/3-octave	Gain	-1 dB	-1 dB	-2 dB	-4 dB	-7 dB	-5 dB	+3 dB	+1 dB
1 octave	Gain	-2 dB	-	-	-6 dB	-	-	-4 dB	-

Parametric Equalizer

Filter type	Frequency	Gain	Q
HPF	200 Hz	-	0.707
PEQ	6 kHz	+6 dB	1.011

■ Appearance

