

EDGE3iBMT-EN54

HIGH PERFORMANCE HI-Z VOICE EVACUATION PLASTER-
UP-TO LOUDSPEAKER WITH INTEGRATED BACKBOX

DATASHEET DRAFT Rev. 1.1 | 20-10-2022 | E&OE



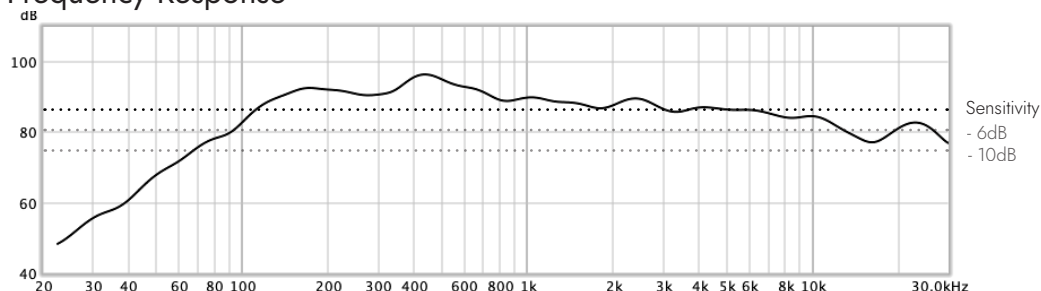
Product Description

The Edge3iBMT-EN54 has been developed and certified for use in high-impedance fire evacuation systems. Based on the Edge3i loudspeaker and using the same patented technologies including Optidrive, Opti-damping and Reduced Resonance Exciter technology, the Edge3iBMT-EN54 features the same hi-fidelity, room-filling and immersive sound that Amina is known for. The Edge3iBMT-EN54 is a sealed unit with a new acoustically tuned and fully integrated backbox design featuring a new front-mounting system that automatically aligns the loudspeaker to the perfect depth, making a one-person installation easier than ever before. Designed to be installed into dryline walls and ceilings as well as a retro-fit into plaster finished surfaces, the Edge3iBMT-EN54 is fully invisible once installed.

Example Applications

Mid-low power, high-impedance commercial and residential applications where an EN-54 (fire evacuation) rating is required. Designed for dual use - providing high-quality music and media playback as well as voice evacuation duties in a properly configured audio system - an unparalleled solution for projects looking to avoid the visual clutter of multiple loudspeaker systems.

Frequency Response



Specifications

Edge3iBMT-EN54

Transformer taps (100V)	5W / 10W / 20W
Transformer taps (70V)	2.5W / 5W / 10W
Sensitivity (@ 1m/2.83Vrms)	86dB SPL
Frequency response (-6dB)	90Hz - 25kHz
Usable frequency range (+/-10dB)	65Hz - 30kHz
Dispersion angle	180° x 180° at specified frequency range
Electrical connection	WAGO lever lock (up to 12 AWG)
Dimensions (not including mounting tabs)	402mm x 304mm x 77mm (15 ^{13/16} " x 11 ^{15/16} " x 3 ^{1/16} ")
Product weight	2.5Kg (5lbs 8oz)
Fixing requirements	All fixings provided
Manufacturer limited warranty	10 years

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