

MOBIUS3iBMT-EN54

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

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



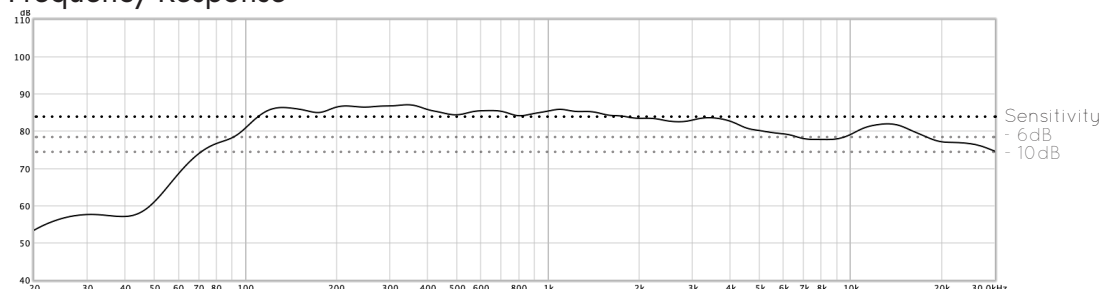
Product Description

The Mobius3iBMT-EN54 has been developed and certified for use in high impedance fire evacuation systems. Based on the Mobius3i and using the same patented technologies including Optidrive, Opti-damping and Reduced Resonance Exciter technology, the Mobius3iBMT-EN54 features the same hi-fidelity, room-filling and dynamic sound that Amina is known for. The Mobius3iBMT-EN54 is a sealed unit with a new acoustically tuned and fully integrated bacbox design and features 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 completely covered by 2mm of plaster or other material, the Mobius3iBMT-EN54 is completely invisible in application.

Example Applications

Mid-high 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

Mobius3iBMT-EN54

Transformer taps (100V)	5W / 10W / 20W
Power handling (100 hour continuous/peak)	2.5W / 5W / 10W
Sensitivity (@ 1m/2.83Vrms)	85dB (with 2mm plaster/mud skim)
Frequency response	87Hz - 19kHz (-6db)
Useable Frequency Range	67Hz - 31kHz (-10db)
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 residential warranty	10 years

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