



MERO5

High-end 2-way in-wall speaker 5"

Highlights:

- SlimLine™ grill with 1mm thin border
- Gold-Con™ spring clamps
- 1" + 5" Aluminum membrane drivers
- QuickFix installation system

The selection of high-grade materials in combination with accurate acoustics craftsmanship makes the MERO speakers superior in their class. The medium sized MERO5 consists of a 5" aluminum cone woofer and complementary 1" dome tweeter that are smoothly matched and optimized using a high-quality crossover network. An acoustically optimized waveguide matches the dispersion of woofer and tweeter, while a phaseplug reduces diffraction and enhances off-axis high frequency response. All these details share their part to its pure sound. An elegant look with minimal visual impact is created by the slim grill with very thin border, while great ease and installers convenience is guaranteed using the quick-fix mechanism with Gold-CON connectivities. The grill is held in place using neodymium magnets, providing a quick and stable assembly. Installation can be done in both vertically and horizontally, while the rotatable tweeter allows optimal orientation positioning.



Applications:

- Bars, restaurants
- Retail
- Corporate spaces
- Residential



Impedance:



System specifications:

Speaker type		2-way
Max. Power		100 W
RMS Power		50 W
Impedance		8 Ω
Sensitivity (1W/1m)		85 dB
Sound Pressure (Max. W/1m)		102 dB
Frequency	Response (\pm 3 dB)	70 Hz - 20 kHz
	Range (-10 dB)	55 Hz - 20 kHz
Crossover	Frequency	3 kHz
	Type	Passive built-in
Dispersion	Horizontal	160°
	Vertical	140°
Connectors		Gold-Con™ spring clamps
Drivers	HF	1" Aluminium membrane
	LF	5" Aluminium membrane (coaxial)

Product Features:

Dimensions		161.5 x 236.5 x 74.1 mm (W x H x D)
Weight		1 kg
Construction		ABS
Front finish		Thin edged white grill (RAL9003)
Cut-out measurement		139 x 214 mm
Built-in depth		71 mm
Mounting & handling		4 Screw quick-fixing mechanism
Operating temperature		-20 °C ~ 60 °C
Colours		Black frame & white grill
Accessories	Included	Cut-out template
		GLM05/W - White grill (RAL9003)
	Optional	WTR24 - 24W 100V line transformer
		GLM05/B - Black grill (RAL9005)
		GLM05/P - Paintable grill

Architects' and Engineers' Specifications:

The in-wall loudspeaker shall be a 2-way type, equipped with a 5" aluminium cone low frequency driver and a 1" aluminium dome tweeter with neodymium magnet.

It shall have an RMS power handling of 50 Watt with a maximum power handling of 100 Watt and the frequency response (± 3 dB) shall range from 70 Hz to 20 kHz. The sensitivity shall be 85 dB when measuring with an input signal of 1 Watt at a distance of 1 meter, while the maximum continuous sound pressure level shall be 102 dB. The nominal dispersion shall be a 160° horizontal and 140° vertical coverage pattern at -6dB (average 100 Hz - 10 kHz).

The loudspeaker shall have an impedance of 8 Ohm and shall contain a passive built-in crossover network with crossover frequency of 3000 Hz, which is constructed of high-quality components.

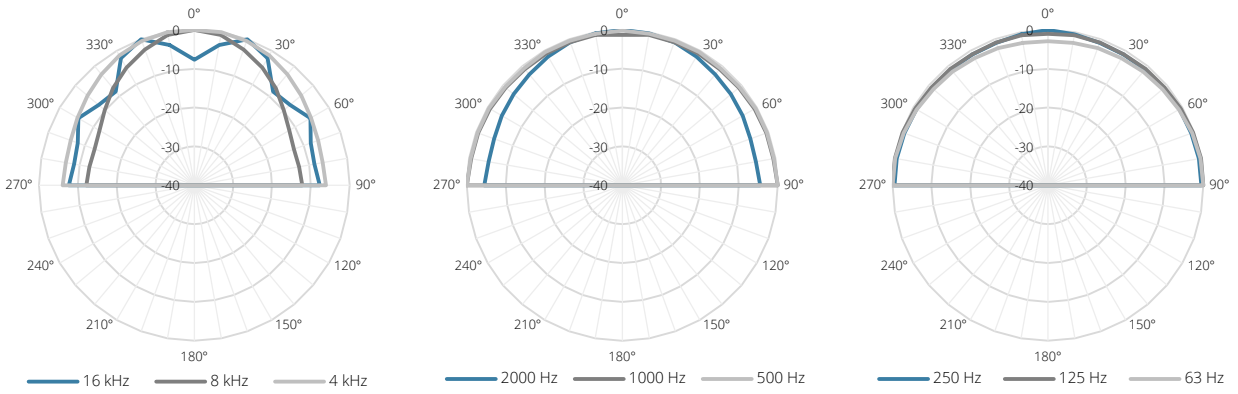
The speakers frame and basket shall be constructed as one entity in strong ABS with a black colour and a textured matt surface finishing. A 4-screw quick-fixing mechanism shall be provided to mount the speaker into a wall in a quick and simple way. The connectivities shall be performed using Gold-Con™ spring clamp connectors.

To make the loudspeaker nearly invisible when mounted, the speaker shall have a white (RAL9003) grill with a very thin border of 1 mm which extrudes the ceiling surface by only 3.2 mm. This grill shall be constructed of steel which can be painted to make it blend in with any environment. The assembly and disassembly of the grill shall be very simple thanks to the neodymium magnets that hold it in place.

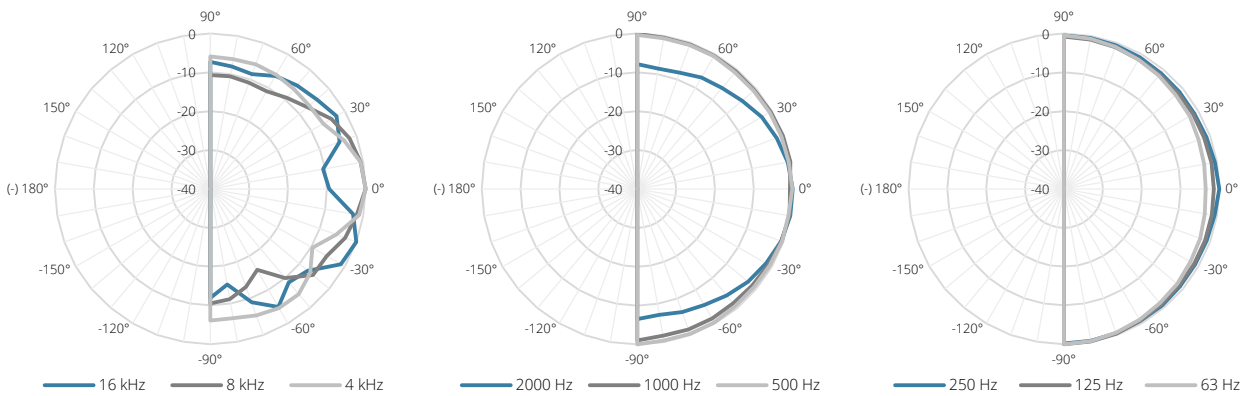
The speaker shall have a width of 161,5 mm, a height of 236,5 mm and a depth of 74,1 mm and shall not exceed 1 kg. The speaker shall fit in a mounting hole of 139 mm x 214 mm and a build-in depth of 71 mm.

Acoustical data graphs:

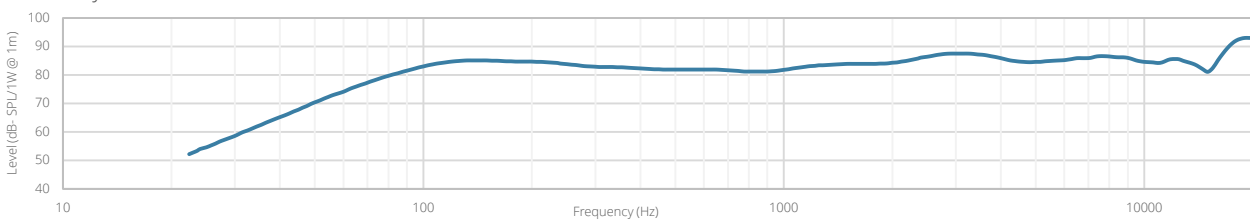
Horizontal Polars:



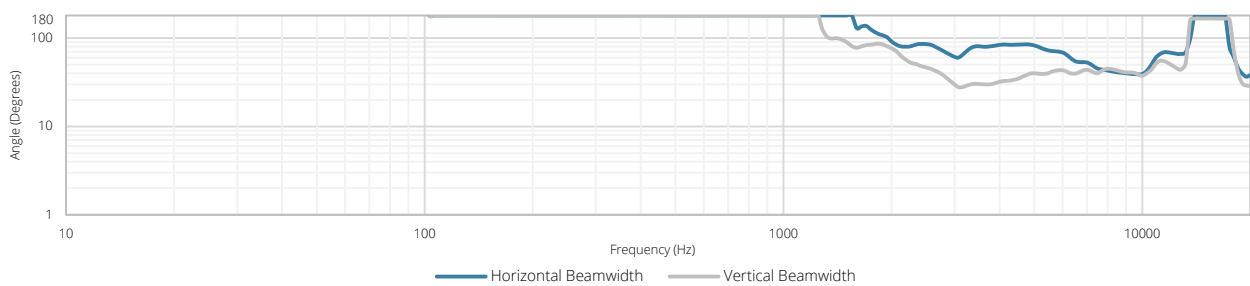
Vertical Polars:



Sensitivity:



Beamwidth (-3dB):



Directivity index:

