



HS212

Full range horn speaker 12"

Highlights:

- IP54 Ingress protection
- 12" high output woofer with a 1.8" voice coil
- Multi-Layer glass composite material with textured EPDM black coating
- Barrier terminal block in waterproof connection box

Product information:

The AUDAC HS212 is a full-range loudspeaker system engineered to provide long throw, full range sound projection in a variety of fixed in- and outdoor applications. Its wide, smooth frequency response and high efficiency ensure high-fidelity music reproduction along with superb projection of clear, intelligible speech at very low distortion. The HS212 features a 1,8" HF driver with an 12" LF loudspeaker combination for the best sound reproduction and has a very special coverage pattern of 40° horizontally and vertically. The construction of the HS212 is made of polyester with textured EDPM black coating and a perforated aluminum grill front finish. Behind the aluminum grill, there is an acoustic foam assembled, which prevents rain coming into the speaker. Due to an Ingress Protection rating (IP) of 54, this speaker will be suitable for any environment where humidity or moisture are present. For connecting, two speaker connectors are provided. The second connector can be used for linking through the signal to other speaker cabinets. Mounting brackets: - MBK212Z (Stainless Steel)

Applications:

- Museums & Themeparks
- Corporate
- Sporting facilities
- Events



Certification:



Properties:



Impedance:



System specifications:

Speaker type		2-way horn speaker
Peak power handling		1400 W
Program power handling		700 W
RMS/AES power handling		350 W
Inputs	Connector	-pin Euro Terminal block (Balanced)
Impedance		8 Ω
Sensitivity (1W/1m)		95 dB
Sound Pressure (Max. W/1m)		125 dB
Frequency	Response (\pm 3 dB)	80 Hz - 18 kHz
	Range (-10 dB)	65 Hz - 20 kHz
Crossover	Frequency	1.5 kHz
	Type	Passive built-in
Dispersion	Horizontal	40°
	Vertical	40°
Ingress Protection rating		IP54
Temperature	Operating	-20 - +50 °C
Connection		2 x heavy-duty SpeakON NLT4MPBAG (linkthrough)
Drivers	HF	1.8" Neodymium compression driver
	MF	12"

Product Features:

Dimensions		508 x 508 x 732 mm (W x H x D)
Weight		30.800 kg
Construction		Multi-Layer glass composite material with textured EPDM black coating
Front finish		Powder coated aluminium with lining
Mounting & handling		Mounting bracket fixing holes
Accessories	Optional	MBK212Z Wall mounting bracket MBK212MK2 Mounting bracket

Variants:

- HS212MK2 - Full range horn speaker 12"

Shipping & Ordering:

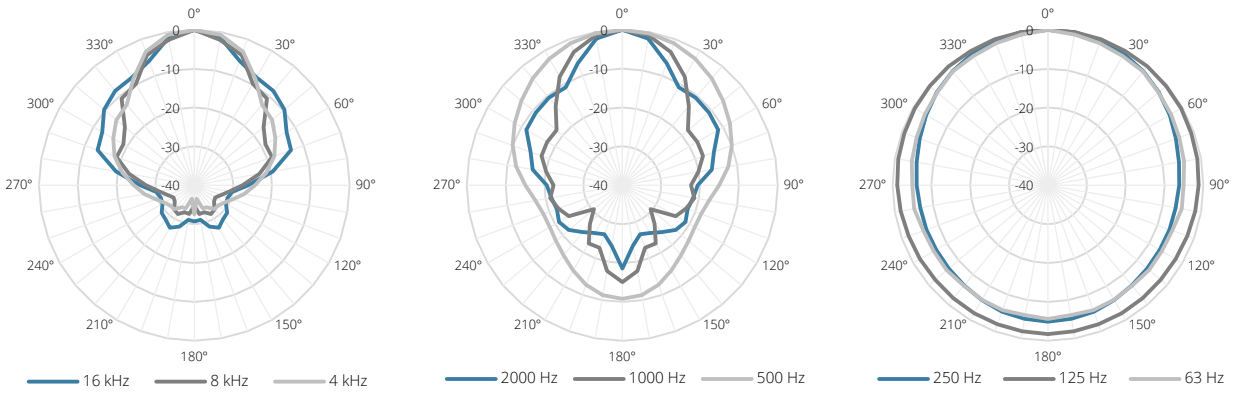
Packaging	Cardboard box
Shipping weight & volume	34.700 kg - 0.28 Cbm

Architects' and Engineers' Specifications:

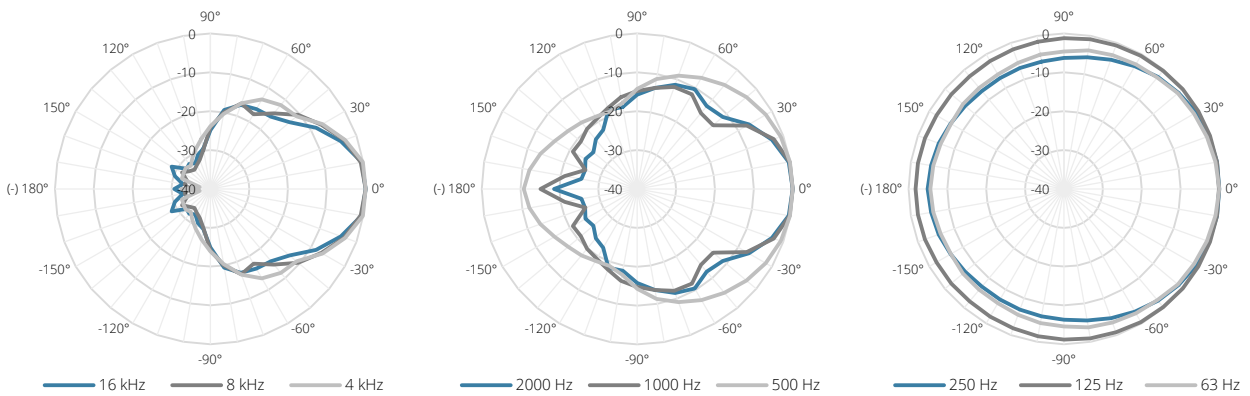
The speaker shall be a 2-way horn-loaded system providing a long-throw full range sound projection with following dimensions H 508 x W 508 x D 732 mm. The weight shall not exceed 27 kg. The enclosure shall be constructed out of multi-layer glass composite material with a durable scratch resistant EPDM coating and fitted with an aluminium front grill. It shall have an RMS power handling of 350 Watt with a maximum power handling of 700 Watt and the frequency response (-10 dB) shall range from 65 Hz to 20 kHz. The sensitivity shall be 95 dB when measuring with an input signal of 1 Watt at a distance of 1 meter, while the maximum continuous sound pressure level shall achieve 125 dB. The loudspeaker shall consist of a 1.8" HF neodymium compression driver and a 12" medium frequency range loudspeaker. The speaker has an impedance of 8 Ohm and contains a passive built-in crossover network with crossover frequency of 1.5 kHz which is constructed of high-quality components. It shall also have an integrated tweeter overload protection circuit. The compression driver shall be mounted on a 40° x 40° coverage horn which is coaxially constructed as one entity with the loudspeakers enclosure. Connections with the speaker shall be made using heavy-duty SpeakON connectors. The connectors shall be fitted with waterproof gaskets and an acoustical transparent and water eliminating lining should be provided behind the grill to make the system IP54 rated.

Acoustical data graphs:

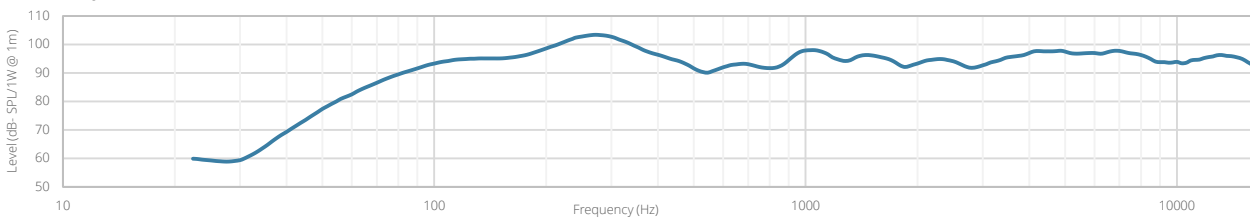
Horizontal Polars:



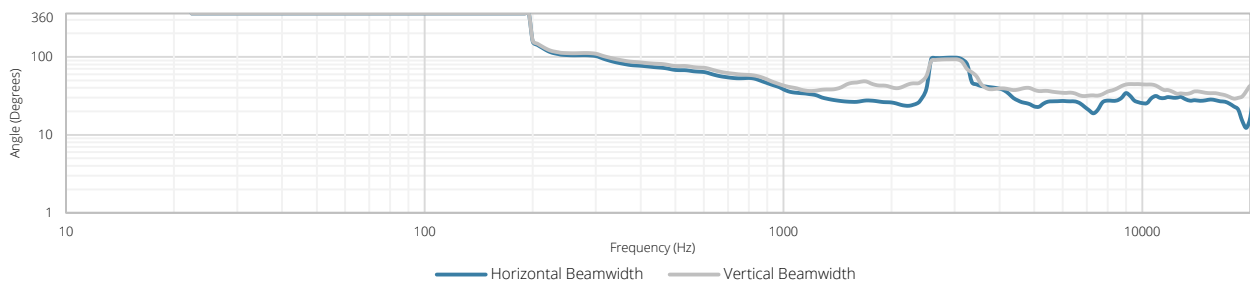
Vertical Polars:



Sensitivity:



Beamwidth (-3dB):



Directivity index:

