



# HS212T

Full range horn speaker 12" 100V

## Highlights:

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- IP65 Ingress protection
- Multi-tapping 100V line transformer
- 12" high output woofer with a 1.8" voice coil
- Multi-Layer glass composite material with textured EPDM black coating
- Weatherproof speakON connector

## Product information:

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The AUDAC HS212T 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 HS212T 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 HS212T contains the possibility to choose from power tapping for: - 240 Watt, 120 Watt, 60 Watt @ 100V - 8 Ohm impedance. The construction of the HS212T is made of polyester with textured EDPM black coating and a perforated aluminum grill front finish. Behind the aluminum grill, there's an acoustic foam assembled, which prevents rain coming into the speaker. Due to an Ingress Protection rating (IP) of 65, this speaker is suitable for any environment where humidity or moisture are present. At the rear, you'll find cable clamps to select the line transformer as desired. The cable clamps are shielded to obstruct moisture and humidity. Mounting brackets: - MBK212Z (Stainless Steel)

## Applications:

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- Museums & Themeparks
- Corporate
- Sporting facilities
- Events



## Certification:

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 IP65

## Voltage:

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 100 Volt

## 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 $\Omega$
Line Transformer Tappings	1	240 W / 42 $\Omega$
	2	120 W / 83 $\Omega$
	3	60 W / 167 $\Omega$
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		IP65
Temperature	Operating	-20 - +50 °C
Connectors		Barrier terminal block in waterproof connection box
Drivers	HF	1.8" Neodymium compression driver
	MF	12"

## Product Features:

Dimensions		508 x 508 x 732 mm (W x H x D)
Weight		34.500 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
Colours		Black
Accessories	Optional	MBK212Z Wall mounting bracket
		MBK212MK2 Mounting bracket

## Variants:

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- HS212TMK2 - Black version - 8Ω and 100V

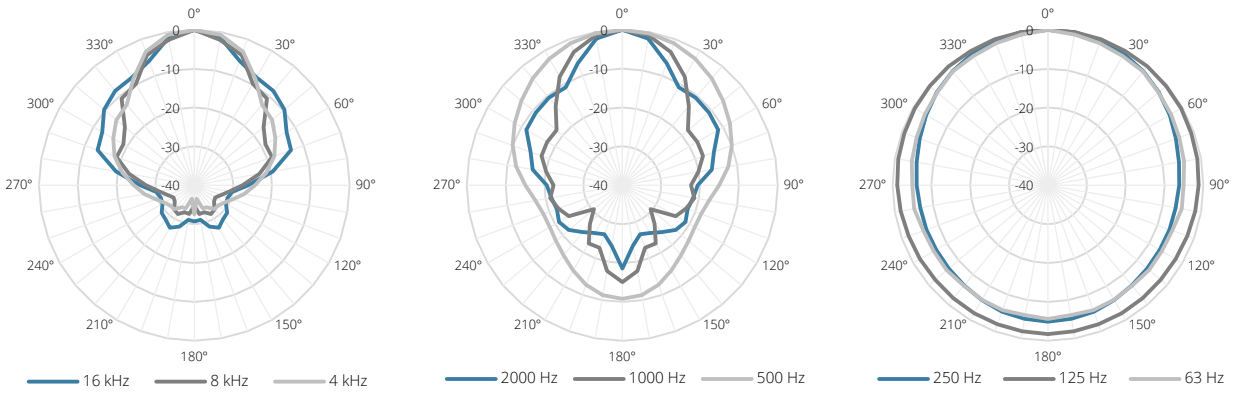
## Architects' and Engineers' Specifications:

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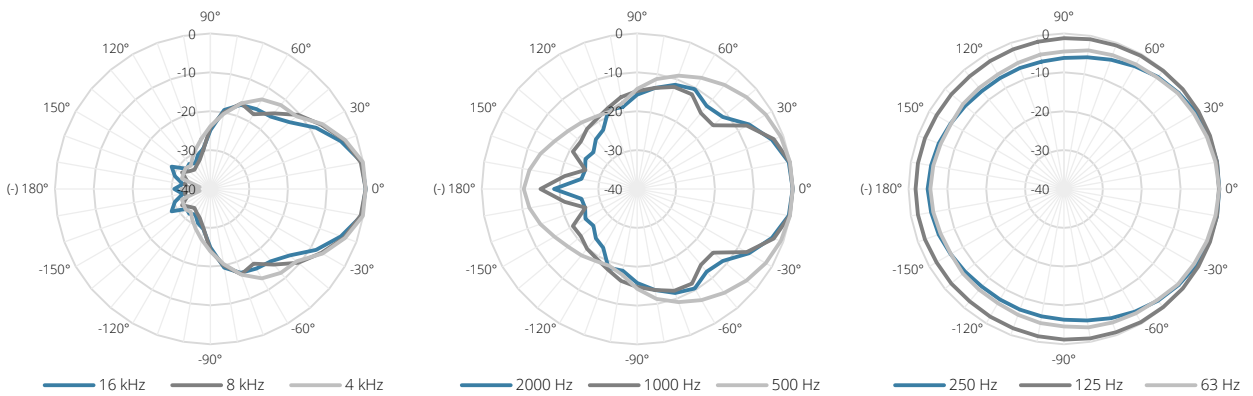
The speaker shall be a 2-way horn-loaded system providing a long-throw full range sound projection with following dimensions H 508 x W 508 x D 732 mm. The weight shall not exceed 34.5 kg. The enclosure shall be constructed out of multi-layer glass composite material with a durable scratch resistant EPDM coating and fitted with an aluminium front grill. It shall have an RMS power handling (@ 8Ohm) 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. A 100V line transformer will also be provided with power taps of 240 Watt, 120 Watt and 60 Watt. 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, 42 Ohm (240 Watt\*), 83 Ohm (120 Watt\*) and 167 Ohm (60 Watt\*) 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 a barrier terminal block. The connections shall be fitted inside a waterproof connection box and an acoustical transparent and water eliminating lining should be provided behind the grill to make the system IP65 rated.

# Acoustical data graphs:

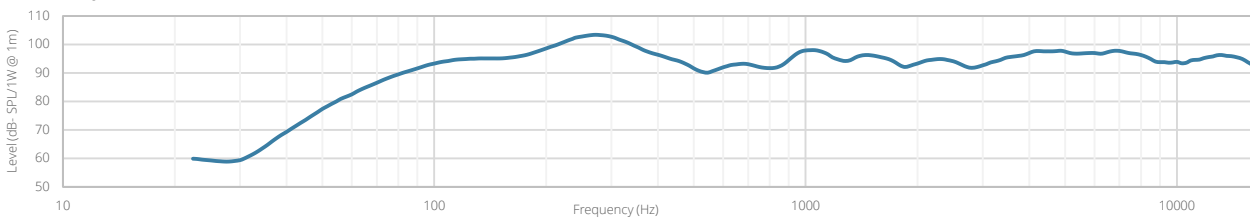
## Horizontal Polars:



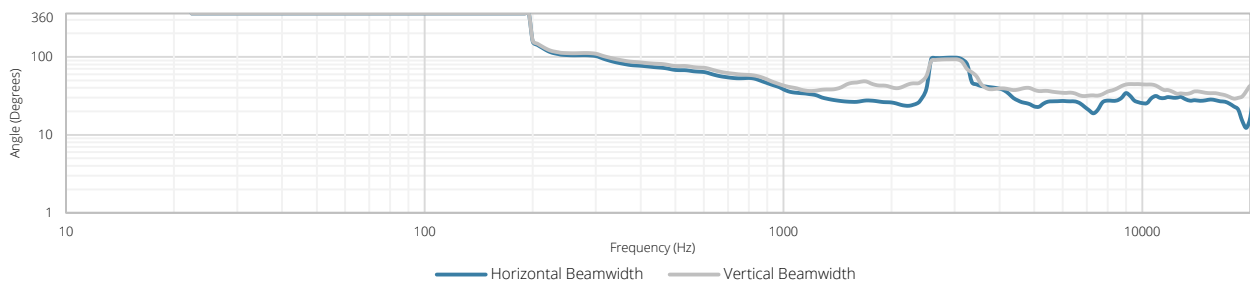
## Vertical Polars:



## Sensitivity:



## Beamwidth (-3dB):



## Directivity index:

