



# HS212T MK2

Horn loaded 2-way loudspeaker 12"

## ► Features

- High-fidelity, full-range reproduction of music and speech
- High efficiency horn loading
- Application-specific coverage pattern
- Scratch-free EPDM coating
- Linking possible
- IP rating of 65

## ► Applications

- Athletic fields (football, soccer, baseball, ...)
- Small arenas
- Theme and amusement parks
- Fairgrounds, rodeos, air shows
- Racing tracks, skating rinks, swimming pools
- Convention centers, factories, warehouses
- Cruise ships



The HS2xx series are 2-way horn loaded loudspeakers which are specifically engineered to provide a long-throw, full-range sound projection in a wide variety of in- and outdoor applications.

The HS212TMK2 is the 12" model of the HS2xx family which is fitted with an 100 Volt line transformer. It features a 12" high output woofer and a neodymium compression driver with 1.8" voice coil. The compression driver is equipped with an overload protection and is fitted with a 40° x 40° coverage horn which is coaxially constructed as one entity with the loudspeaker's enclosure.

Thanks to the selection of complementary high-quality components which are carefully matched, the HS212TMK2 delivers a wide range, smooth frequency response with a high efficiency. This ensures an extraordinary clarity of speech and extended frequency response for music with an RMS power of 350 Watt, up to a maximum power of 700 Watt. The frequency range (-10 dB) starts from 65 Hz up to 20 kHz and the sensitivity (1W / 1m) reaches 103 dB, while a maximum continuous sound pressure level of 129 dB can be achieved.

The enclosure is constructed out of multi-layer glass composite material with a durable scratch resistant EPDM coating. The aluminum front grill is lined with an acoustical transparent and water eliminating backing. A waterproof connection box containing a multi-tapping barrier terminal block enables the selection of different line transformer power tapplings, while providing easy link-through to other speakers. These specific features make the system IP65 rated when installed at minimum 5° down tilt.

An optional mounting bracket provides a complete solution for installation of the system.

## ► Specifications

SYSTEM SPECIFICATIONS		
Speaker type		2 - Way Horn speaker
Max power		700 Watt
RMS power		350 Watt
Impedance		8 Ohm
Line transformer power taps		240 Watt / 42 Ohm
		120 Watt / 83 Ohm
		60 Watt / 167 Ohm
Sensitivity (1W / 1m)		103 dB
Max continuous SPL (RMS W / 1 m)		129 dB
Frequency response (±3dB)		80 Hz - 18 kHz
Frequency range (-10dB)		65 Hz - 20 kHz
Crossover frequency		1.5 kHz
Crossover type		Passive built-in
Horizontal dispersion		40°
Vertical dispersion		40°
IP Rating (Ingress Protection)		IP65
PRODUCT FEATURES		
Dimensions (Width x Height x Depth)		508 x 508 x 732 mm
Weight Net		30 Kg
Connection		Barrier terminal block in waterproof connection box
Drivers	HF	1.8" Neodymium compression driver
	MF	12"
Construction		Multi-layer glass composite material with textured EPDM black coating
Grill type		Powder coated aluminum with lining
Mounting & handling		Mounting bracket fixing holes
Available versions		Black (RAL9005)   HS212TMKII
SHIPPING & ORDERING		
Packaging		Carton box
Shipping weight & volume		33 Kg - 0.28 Cbm
Optional accessories		MBK212Z mounting bracket
*AUDAC reserves the right to change specifications without notice: this is part of our policy to continually improve our products		

## ► 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 30 kg. The enclosure shall be constructed out of multi-layer glass composite material with a durable scratch resistant EPDM coating and fitted with an aluminum 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 103 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 129 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.

\*@100V

## ► Technical drawing

