



HS212 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 by second Speakon connector
- IP rating of 54

► 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 HS212MK2 is the 12" model of the HS2xx family consisting of 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 HS212MK2 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 95 dB, while a maximum continuous sound pressure level of 125 dB can be achieved.

The enclosure is constructed out of multi-layer glass composite material with a durable scratch resistant EPDM coating. The aluminium front grill is lined with an acoustical transparent and water eliminating backing. Two heavy-duty SpeakON connectors are fitted with waterproof gaskets which ensures a reliable connection with easy link-through to other speakers. These specific features make the system IP54 rated when installed at minimum 5° downtilt and using mating connectors.

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	
Sensitivity (1W / 1m)	95 dB	
Max continuous SPL (RMS W / 1 m)	125 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)	IP54	
PRODUCT FEATURES		
Dimensions (Width x Height x Depth)	508 x 508 x 732 mm	
Weight net	30.8 Kg	
Connection	2 x heavy-duty SpeakON NLT4MP-BAG (linkthrough)	
Drivers	HF	1.8" neodymium compression driver
	MF	12"
Construction	Multi-Layer glass composite material with textured EPDM black coating	
Grill type	Powdercoated aluminium with lining	
Mounting & handling	Mounting bracket fixing holes	
Available versions	Black (RAL9005)	HS212MKII
SHIPPING & ORDERING		
Packaging	Cardboard box	
Shipping weight & volume	34.7 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 continuously 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 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.

► Technical drawing

