



# HS208T MK2

Horn loaded 2-way loudspeaker 8"

## ► 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 HS208TMK2 is the 8" model of the HS2xx family which is fitted with an 100 Volt line transformer. It features a 8" high output woofer and compression driver with 1.3" 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 loudspeakers enclosure.

Thanks to the selection of complementary high-quality components which are carefully matched, the HS208TMK2 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 150 Watt, up to a maximum power of 300 Watt. The frequency range (-10 dB) starts from 70 Hz up to 20 kHz and the sensitivity (1W / 1m) reaches 97 dB, while a maximum continuous sound pressure level of 123 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. A waterproof connection box containing a multi-tapping barrier terminal block enables the selection of different line transformer power tapings, while providing easy link-through to other speakers. These specific features make the system IP65 rated when installed at minimum 5° downtilt.

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

## ► Specifications

SYSTEM SPECIFICATIONS	
Speaker type	2-way horn speaker
Max power	300 Watt
RMS power	150 Watt
Impedance	8 Ohm
Line transformer power taps	120 Watt / 83 Ohm 60 Watt / 167 Ohm 30 Watt / 333 Ohm
Sensitivity (1W / 1m)	97 dB
Max continuous SPL (RMS W / 1 m)	123 dB
Frequency response (±3dB)	100 Hz - 18 kHz
Frequency range (-10dB)	70 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)	360 x 360 x 482 mm
Weight net	15.6 Kg
Connection	Barrier terminal block in waterproof connection box
Drivers	HF 1.3" Compression driver MF 8"
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)   HS208TMKII
SHIPPING & ORDERING	
Packaging	Cardboard box
Shipping weight & volume	17.46 Kg - 0.10 Cbm
Optional accessories	MBK208Z 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

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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 360 x W 360 x D 482 mm. The weight shall not exceed 17 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 150 Watt with a maximum power handling of 300 Watt and the frequency response (-10 dB) shall range from 70 Hz to 20 kHz. The sensitivity shall be 97 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 123 dB. A 100V line transformer will also be provided with power taps of 120 Watt, 60 Watt and 30 Watt.

The loudspeaker shall consist of a 1.3" HF compression driver and a 8" medium frequency range loudspeaker. The speaker has impedances of 8 Ohm, 83 Ohm (120 Watt\*), 167 Ohm (60 Watt\*) and 333 Ohm (30 Watt\*), and contains a passive built-in cross-over 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

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