



# CHA530

2 - Way horn loudspeaker 5"

## ► Features

- High efficiency 2-way horn speaker
- Full range reproduction of music & speech
- 1" compression horn tweeter
- High-efficiency 5" mid/low driver
- Multi-tapping 100V line transformer
- Impact & UV resistant ABS enclosure
- Weatherproof IP66 construction
- Included mounting bracket

## ► Applications

- Factory halls & warehouses
- In & outdoor parking lots
- Sports areas and athletic fields
- Theme & amusement parks
- Public open area's & fairgrounds
- Racetracks
- ...



The CHA530 is a 2-way horn loaded loudspeaker which is designed for long-throw, full range reproduction of music and speech in a wide variety of indoor and outdoor applications.

The construction is composed of a 1" high frequency compression driver and a 5" mid/low frequency driver. The selection of high-quality components and acoustic engineering craftsmanship makes the CHA530 significantly better performing than other traditional horn speakers. A smooth frequency response and high efficiency ensures an extraordinary clarity of speech and extended frequency response for music.

It features an RMS power handling of 30 Watt and a max power handling of 60 Watt. The sensitivity measures 98 dB while a maximum continuous SPL of 113 dB can be achieved. The frequency response ( $\pm 3$  dB) starts from 110 Hz up to 16 kHz.

A multi-tapping line transformer allows connection of the speaker in 100 Volt and 70 Volt public address systems. Various power tapplings for 30 Watt, 15 Watt, 7.5 Watt and 3.75 Watt are available.

The enclosure is constructed using high quality UV and impact resistant ABS materials and an included powder coated steel mounting bracket allows secure mounting and tilting for perfect directional placement. This makes it comply with IP66 ingress protection requirements, resulting in a weatherproof solution for permanent outdoor installation.

Connection of the loudspeaker is done using a screw terminal block connector located in a waterproof connection box on the rear of the speaker.

## ► Specifications

SYSTEM SPECIFICATIONS	
Speaker type	2-Way horn speaker
Max power	60 Watt
RMS power	30 Watt
Line transformer power taps	30 Watt / 333 Ohm 15 Watt / 667 Ohm 7.5 Watt / 1.33 kOhm 3.75 Watt / 2.66 kOhm
Sensitivity (1W / 1m)	98 dB
Max continuous SPL (RMS W / 1 m)	113 dB
Frequency response ( $\pm 3$ dB)	110 Hz - 16 kHz
Crossover type	Passive built-in
Horizontal dispersion	110°
Vertical dispersion	60°
IP Rating (Ingress Protection)	IP66
PRODUCT FEATURES	
Dimensions (Width x Height x Depth)	310 x 215 x 330 mm
Weight net	4.7 Kg
Drivers	HF 1" HF Horn tweeter MF 5" MF/LF woofer
Connection	Screw terminal block
Construction	Impact & UV resistant ABS
Mounting & handling	Incl. multifunctional bracket
Available colours	Light Grey (RAL7035)
SHIPPING & ORDERING	
Packaging	Cardboard box
Shipping weight & volume	6.0 Kg - 0.04 Cbm
Accessories included	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 loudspeaker shall be a 2-way horn loaded system, providing a long-throw full range sound projection of music and speech. The construction shall be composed of a 1" HF compression driver and a 5" mid/low frequency driver which are housed in a impact and UV resistant ABS housing.

It shall have an RMS power handling of 30 Watt with a maximum power handling of 60 Watt and the frequency response ( $\pm 3$  dB) shall range from 110 Hz to 16 kHz. The sensitivity shall be 98 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 113 dB. The loudspeaker shall contain a passive built-in crossover network. For use in public address systems, a multi-tapping 100 Volt built-in line transformer with power taps for 30 Watt, 15 Watt, 7.5 Watt and 3.75 Watt shall be provided.

Connecting the loudspeaker is done through a screw terminal block connector in a waterproof connection box on the rear of the speaker. An included steel mounting bracket allows a secure mounting and optimal directional placement. A truly weatherproof construction complying with IP66 Ingress protection requirements shall be met.

The system's enclosure shall be 215 mm high, 310 mm wide and 330 mm deep and the weight shall not exceed 4.7 Kg.

## ► Technical drawing

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