

## Highlights:

- IP56 Ingress protection
- Multi-tapping 100V line transformer
- Weatherproof ABS sealed construction
- Stainless steel U bracket
- Multi-core fixed connection cable

## Product information:

The CHA230 is a long throw compression horn loudspeaker with an RMS power of 30 Watt. It is fitted with a line transformer with adjustable power taps and can be used in 70V or 100V PA installations at 30 Watt, 20 Watt, 10 Watt or 5 Watt. The CHA series are compression horn loudspeakers especially designed for paging and background music applications, offering durability and optimal speech and music reproduction. They are fitted with a line transformer with adjustable power taps, to be used in 70V/100V public address applications. The speakers are made from tough ABS, finished in a light grey colour and with sturdy adjustable mounting bracket. The Ingress Protection rating of IP56 makes them suitable for outdoor use.

## Applications:

- Corporate
- Sporting facilities



## Certification:

 IP56

## Voltage:

 100 Volt

## System specifications:

Program power handling		45 W
RMS/AES power handling		30 W
Line Transformer Tappings	1	30 W / 334 $\Omega$
	2	20 W / 500 $\Omega$
	3	10 W / 1000 $\Omega$
	4	5 W / 2000 $\Omega$
Impedance		20 $\Omega$
Sound Pressure (Max. W/1m)		109 dB
Frequency	Response ( $\pm$ 3 dB)	400 Hz - 7.5 kHz

## Product Features:

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Dimensions	238 x 302 mm (Ø x D)	
Weight	2.130 kg	
Operating temperature	-20 °C ~ 60 °C	
Construction	ABS	
Mounting	Inox bracket	
	Inox screws	
Colours	Light grey (RAL7035)	
Accessories	Included	Mounting bracket

## Architects' and Engineers' Specifications:

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The loudspeaker must be a compression horn type, consisting of an 1.5" diaphragm which is built in a high quality ABS enclosure, resulting in an impact resistant and weatherproof loudspeaker. Mounting of the speaker shall be possible using a stainless steel mounting bracket allowing secure mounting and tilting for perfect directional placement.

It must have an RMS power handling of 30 Watt with a maximum power handling of 60 Watt and the frequency response ( $\pm 3$  dB) must range from 400 Hz to 7.5 kHz. The sensitivity must be 109 dB when measuring with an input signal of 1 Watt at a distance of 1 meter, while the maximum continuous sound pressure level must reach 124 dB.

The loudspeaker must be fitted with a line transformer for use in 100 Volt constant voltage audio systems with multiple tapings for 30 Watt, 20 Watt, 10 Watt and 5 Watt which are selectable through a recessed adjuster screw located at the rear of the speaker. The enclosure shall comply to IEC60529 IP56 ratings for dust & splash resistance and feature a fixed cable to ensure an optimal connection.

The loudspeakers' enclosure must be finished in RAL7035 color, have a diameter of 238 mm with a depth of 302 mm and the weight shall not exceed 2.06 Kg.