



CLS420

20 Watt Column speaker

► Features

- Column loudspeaker
- Slim aluminum design
- 4 x 3" full range speakers
- Optimal distribution for reverberant venues
- Excellent speech intelligibility
- 100V multitap transformer
- Multifunctional swiveling & tilting bracket

► Applications

- Houses of worship
- Auditoria
- Presentation rooms
- Meeting rooms
- Public & office buildings
- Train stations, airports



The CLS400 series are column speakers designed for a wide variety of applications in acoustic difficult environments such as churches, auditoria, presentation and meeting rooms where audibility and intelligibility of music and speech has high importance.

The speaker section consists of 4 x 3" high-quality broadband loudspeakers delivering a clear and intelligible sound with an overall RMS power handling up to 20 Watt. The typical coverage pattern makes it suitable for acoustically difficult venues, reducing echo and microphone feedback which optimizes the speech intelligibility in reverberant venues.

A multi-tapping line transformer allows the speaker to be connected in 100 Volt public address systems with different power tapings for 20 Watt and 10 Watt.

The housing is sturdy constructed using aluminum materials and finished in a white colour, while the front is covered by a perforated powder coated aluminium grill which offers a clean and timeless design.

The mounting of the speaker can be done using the included multi-functional wall bracket allowing swiveling to the side and down-tilting for perfect directional placement.

► Specifications

SYSTEM SPECIFICATIONS	
Speaker type	Broadband column
Max power	40 Watt
RMS power	20 Watt
Impedance	6 Ohm
Line transformer power taps	20 Watt / 500 Ohm 10 Watt / 1000 Ohm
Sensitivity (1W/1m)	91 dB
Sound pressure (Max W/1m)	104 dB
Frequency response (± 3 dB)	170 Hz - 15 kHz
Frequency response (-10 dB)	150 Hz - 17 kHz
Horizontal dispersion (1)	115°
Vertical dispersion (1)	30° off axis
IP rating (Ingress Protection)	40
PRODUCT FEATURES	
Dimensions (Width x Height x Depth)	104 x 478 x 84,5 mm (excl bracket) 104 x 478 x 143 mm (incl bracket)
Weight net	2,1 Kg
Drivers	4 x 3" full range
Connectors	Multi-tapping screw terminals
Mounting & handling	Included multi-functional wall bracket
Construction	Aluminum enclosure
Front finish	Powder coated aluminium grill
Swiveling / tilting	Left & right 0 ~ 80° Bottom 0 ~ 10°
Available colours	CLS420/W White (RAL9010)
SHIPPING & ORDERING	
Packaging	Cardboard box
Shipping weight & volume	3,2 Kg - 0.016 Cbm
Accessories included	Wall mounting bracket
(1) Average 100 Hz to 10 kHz at -6 dB	
*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 loudspeaker must be a surface-mount column type, consisting of 4 x 3" drivers that are built in an aluminum enclosure with a finely perforated aluminum front grill and fitted with a line transformer. Mounting of the speaker shall be possible in vertical position using a supplied mounting bracket, allowing swiveling to both sides and down-tilting for perfect directional placement.

It must have an RMS power handling of 20 Watt with a maximum power handling of 40 Watt and the frequency response (± 3 dB) must range from 170 Hz to 15 kHz. The sensitivity must be 91 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 104 dB.

The loudspeaker must be fitted with a line transformer for use in 100 Volt constant voltage audio systems with multiple tapings for 20 Watt and 10 Watt which are selectable through multi-tapping screw terminal connections.

The loudspeaker enclosure must be 478 mm high, 104 mm wide and 84,5 mm deep. Its weight must not exceed 2.1 kg. The loudspeaker's color must be RAL9010.

► Technical drawing

