



CAS-304 /CAS-308 /CAS-312

Column Speakers

Features

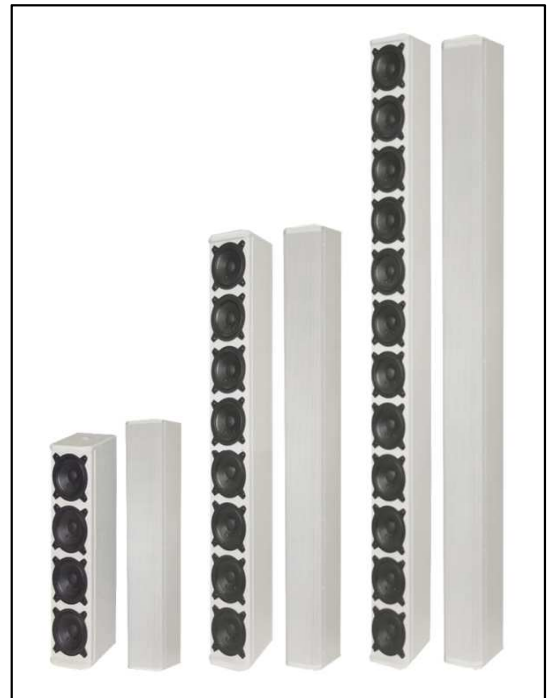
- 40 W - 60 W - 120 W
- 70V or 100V
- 3" full range drivers
- White or black aluminum construction
- IP66
- EN 54-24

Offering high intelligibility and natural music reproduction, CAS columns are the perfect solution for highly reverberant environment such as churches, architectural spaces, auditoriums, railway stations and other transport terminals. Based on the line array principle, it provides a consistent pattern control for a superior sound quality. CAS cabinets are made of aluminum and are dedicated for outdoor applications. They are rated IP66.

It is equipped with 3" full range drivers including 4 to 12 components in each box.

A rotary switch makes easy the transformer taps selection.

All models are EN 54-24 certified.



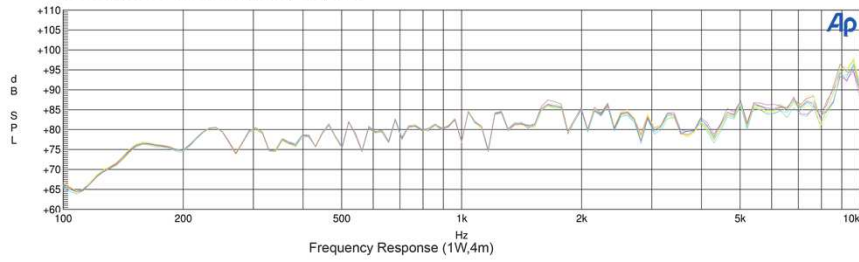
Specifications

MODEL	CAS-304	CAS-308	CAS-312
System type	Passive Column Speaker		
Standard	Certified to the European Standard EN 54-24 /2008		
Environment Type	Loudspeaker for voice alarm systems for fire detection and fire alarm system		
Transducer LF	Type B (Outdoor applications)		
Frequency Response	3" full range paper speaker	3" full range paper speaker	3" full range paper speaker
Rated Noise Power	160Hz ~ 20kHz	150Hz ~ 20kHz	120Hz ~ 20kHz
	40W	60W	120W
	(100V and 70V line)	(100V and 70V line)	(100V and 70V line)
	250Ω (40W)	167Ω (60W)	83Ω (120W)
(100V line)	500Ω (20W)	333Ω (30W)	167Ω (60W)
	1.0kΩ (10W)	667Ω (15W)	333Ω (30W)
	2.0kΩ (5W)	1.33kΩ (7.5W)	667Ω (15W)
Rated Impedance	125Ω (40W)	83Ω (60W)	41Ω (120W)
	250Ω (20W)	167Ω (30W)	83Ω (60W)
(70V line)	500Ω (10W)	333Ω (15W)	167Ω (30W)
	1.0kΩ (5W)	667Ω (7.5W)	333Ω (15W)
	8Ω	8Ω	8Ω
(Bypass)			
Sensitivity	92dB (1W, 1m)	94dB (1W, 1m)	95dB (1W, 1m)
(500Hz - 5kHz pink noise)			
	82dB (1W, 4m)	84dB (1W, 4m)	86dB (1W, 4m)
(100Hz - 10kHz pink noise, according to EN54-24)			
	92dB (1W, 1m)	94dB (1W, 1m)	95dB (1W, 1m)
(100Hz - 10kHz pink noise, converted based on EN54-24)			
Max SPL	101dB (40W, 4m)	103dB (60W, 4m)	105dB (120W, 4m)
(100Hz - 10kHz pink noise, according to EN54-24)			
	110dB (40W, 1m)	112dB (60W, 1m)	114dB (120W, 1m)
(100Hz - 10kHz pink noise, converted based on EN54-24)			
Coverage Angle (H x V)	360° x 116°	360° x 72°	360° x 44°
(500Hz)			
	215° x 78°	219° x 38°	227° x 27°
(1kHz)			
	136° x 25°	140° x 40°	114° x 54°
(2kHz)			
	226° x 7°	274° x 54°	263° x 65°
(4kHz)			
Weight	5.7 kg (12.6 lbs)	9.8 kg (21.6 lbs)	15 kg (33.1 lbs)
Dimensions (L x W x D)	448 x 121 x 140 mm	763 x 121 x 140 mm	1112 x 121 x 140 mm
	17.6" x 4.8" x 5.5"	30" x 4.8" x 5.5"	43.8" x 4.8" x 5.5"
Protection Rate	IP66	IP66	IP66
Operating Temperature	-10°C to +50°C		
Applicable Cable	Solid wire: φ 6.6mm (18 AWG) UL2464		
Cable Connection	Steatite terminal x 3 speaker cable (φ 6.6mm)		
	Enclosure : Aluminum alloy		
Finish	Mesh speaker grill : surface-treated steel plate		
	Speaker Wall bracket: surface-treated steel plate, painted joint bracket, screws		

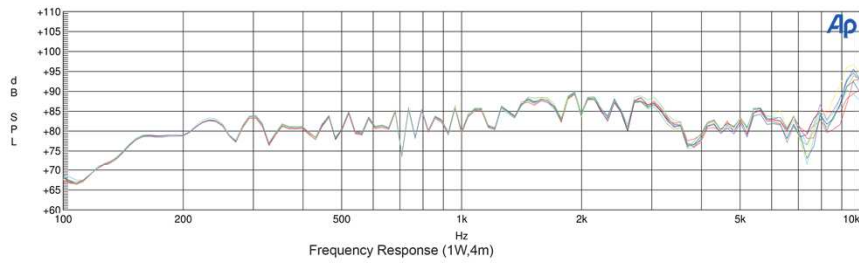
Specifications subject to modification without notice

FREQUENCY RESPONSE

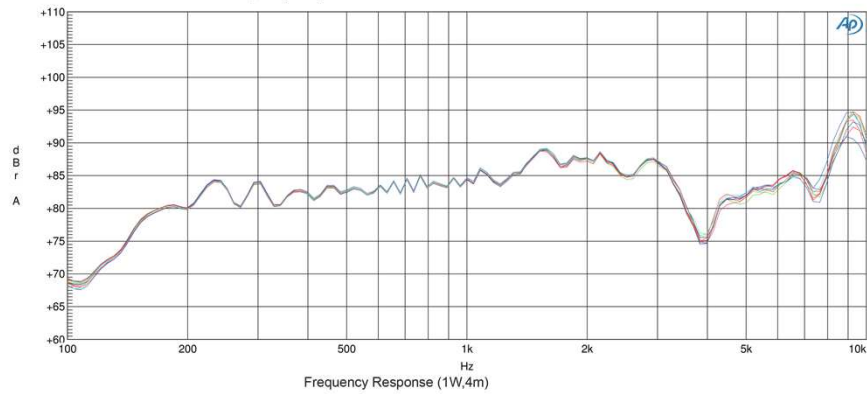
CAS304B/CAS-304W EN54-24 Frequency Response



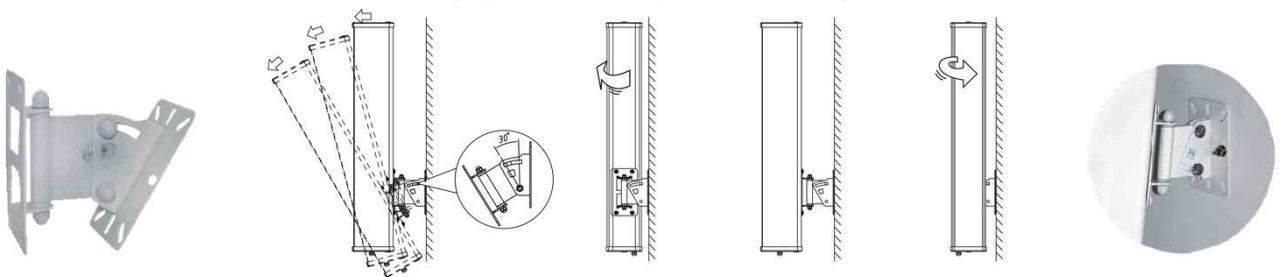
CAS308B/CAS-308W EN54-24 Frequency Response



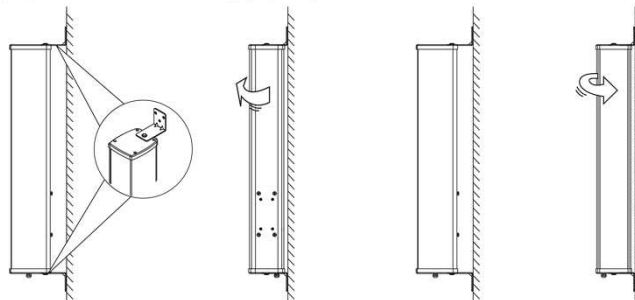
CAS312B/CAS-312W EN54-24 Frequency Response



180° x 30° bracket (angle vertical 0° ~ 30°, horizon -90° ~ 90°)



L bracket (angle horizon -90° ~ 90°) (Option)



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