



technical specifications BC332

general

- Double-tuned, bass-reflex loaded cardioid-control subwoofer system
- Single 18" woofer with 15" woofer in cardioid arrangement
- Large vents for improved breathing and low port compression
- Low impedance for efficient amplifier loading
- SIS™ pre-wired for very high damping and further reduced distortion (with ALC)
- Selectable cardioid patterns with up to 42dB rearward rejection

description

The BC332 is a self-contained, high-output cardioid subwoofer system for both permanent and portable ground-stacked applications. It is designed to offer a high output, tight and accurate sub-bass response, for low-frequency extension of any Alcons pro-ribbon system.

By means of a front and rear located woofer configuration, in combination with dedicated processing, the system offers selectable cardioid low-frequency pattern control and excellent rear rejection (up to 42 dB), without the need for additional cabinets.

On the front side, one 18" long-excursion woofer with 4-in. voice-coil with double-spider and



demodulation ring frame, is mounted in a front-loaded configuration, with X-Venting™; This port takes more than 20% of the baffle surface and is designed to maximise the system's breathing capacity, increasing overall output while minimising port-compression.

On the rear side, a single 15" long-excursion woofer with 4-in. voice-coil with double-spider and demodulation ring frame, is mounted in a "front"-loaded configuration, with Flank-Venting™ port; This folded port design enables optimal reflex-breathing, under minimal baffle dimensions.

The relatively low-weight, but rigid enclosure is finished in Durotect™ scratch-resistant coating and is fitted with 6 handles for easy logistics + stand mount adapter (road-version).

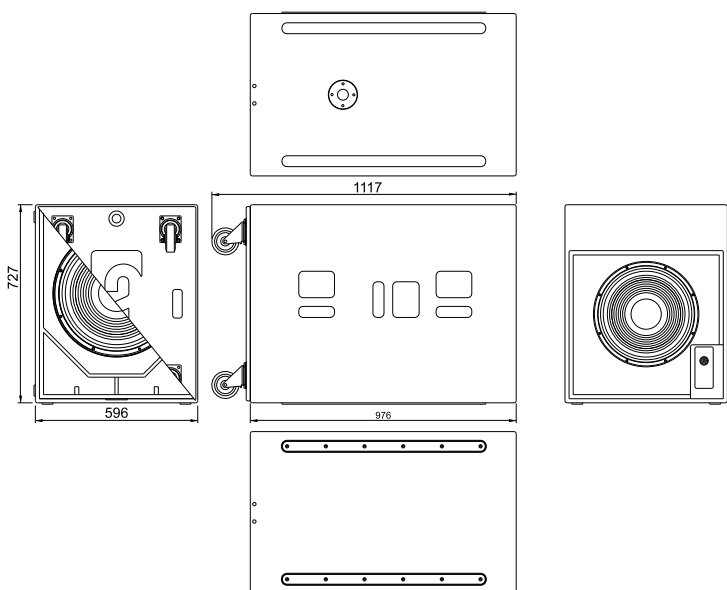
The BC332 is powered and controlled by the ALC amplified loudspeaker controller; Through the integrated processor, the ALC offers BC332-specific drive processing with response optimisation, dedicated power and excursion protection, and hybrid filtering. The preset library contains cardioid settings for maximum rear-/side-ward attenuation.

The 4 ohms impedance offers efficient amplifier loading.

Through the SIS™ (Signal Integrity Sensing) circuit, the cable-length and connector resistance between the BC332 and ALC is completely compensated (damping factor >10.000), for further increased accuracy and controlled cone-travel, resulting in a tighter sub and bass response.

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dimensional drawing



technical specifications

Frequency Response	36 Hz - 150 Hz	(+/- 3 dB)
	30 Hz -	(+/- 10 dB)
Sensitivity nominal	98 dB (40 - 100 Hz)	
Nominal impedance	4 ohms/front, 4 ohms/rear	
Recommended drive	Sentinel3 min., 1 pce. per 2 channels	
	(4 ohms/front, 4 ohms/rear)	
Nominal SPL peak	128 dB (Sentinel3 40 - 100 Hz)	
	134 dB (Sentinel10 40 - 100 Hz)	
	139 dB (comparitive)	
Dispersion H x V	omni (rear not connected) /	
	(hyper)cardioid	

physical specifications

System	subwoofer, bass reflex front + rear	
Drivers LF (front)	1x AW18.4/4 18", X-Vented™	
	(rear) 1x AW15.4/4 15", Flank-Vented™	
Connectors	1x Speakon NL8 input	
Physical dimensions	mm	inches
	Height	727
Width	596	23.5
Depth	976	38.4
Weight (approx.) BC332	86,2 kg	190 lb*
	BC332i	76,5 kg 169 lb
Warranty	6 years limited	
	*incl. wheel board	

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