



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
- Selectable cardioid patterns with up to 42dB rearward rejection
- SIS pre-wired for very high damping and further reduced distortion (with ALC)
- Low impedance for efficient amplifier loading



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 42dB), 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 combination of complex internal panel lay-out and extensive bracing brings a rigid structure with a high enclosure stiffness from a relatively low-weight package. It is finished in Durotect™ scratch-resistant coating and is fitted with 6 handles for easy logistics + stand mount adapter (road-version).

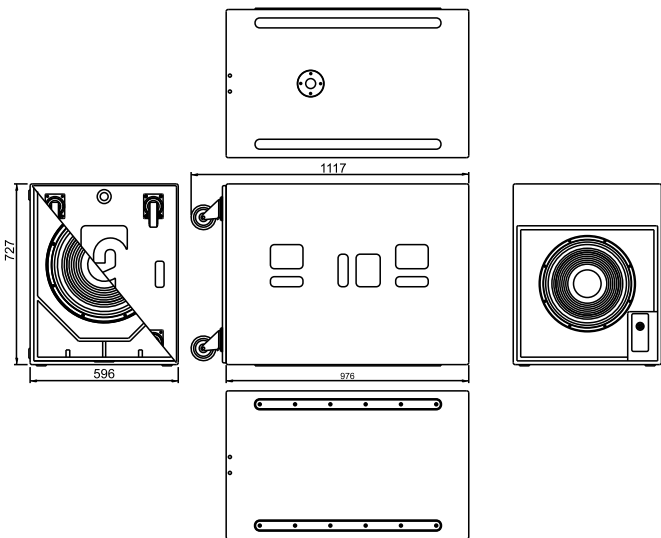
The BC332 is powered and controlled by the ALC amplified loudspeaker controller; Through the integrated processor, the ALC offers BC332-specific drive processing with response optimisation, dedicated power and excursion protection, and hybrid filtering.

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 (system 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 ch
Nominal SPL peak	128 dB (Sentinel3 40 Hz - 100 Hz)
	134 dB (Sentinel10 40 Hz - 100 Hz)
	139 dB (comparative)
Dispersion H x V	(hyper)cardioid / omni (rear not connected)

physical specifications

System	subwoofer, bass-reflex front + rear	
Drivers LF	1 x AW18.4/4 18" X-vented™ (front)	
	1 x AW15.4/4 15" Flank-vented™ (rear)	
Connectors	1x Speakon NL8 input	
Physical dimensions	mm	inches
Height	727	28.6
Width	596	23.5
Depth	976	38.4
Weight (approx.)	kg	lb
BC332	86.2	190
BC332i	76.5	169
Warranty	6 years limited	

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