



technical specifications QB242

general

- Modular scalable LF column array system, for each size venue / application
- Tight driver arrangement for optimal array coupling
- All-Neodymium 12" drivers for excellent performance-to-weight ratio
- Height and design-matching with QR24 and QM24 systems
- SIS™ pre-wired for very high damping and further reduced distortion
- Shallow form factor and ACO™ color option for unobtrusive, "stealth" installation



description

The QB242 is a modular column bass system to be used in both permanent and (limited) portable applications. It is designed as the low-frequency extension (LFE) system to the QR24 line-source column system; However, it can be used as arrayable LFE system with any Alcons system.

The QB242 can be stacked or flown in multiples, making it an ideal building block to form bass arrays, for obtaining low frequency projection and throw control in acoustically challenging spaces. The controlled (cylindrical) projection of the QR24 can thus be extended down to the lower frequencies by enlarging the LFE array length through adding extra QB242 modules.

The 8 ohms system impedance, makes for a very efficient amplifier channel loading, when assembling arrays of multiple units.

The direct-radiating 12" Neodymium woofers are mounted in a vented chamber, with large bass reflex ports for excellent breathing capacity, increasing overall output while minimising port-compression. The double baffle board and the combination of complex internal panel lay-out with the reflex-ports brings a rigid structure with a high enclosure stiffness from a weight-efficient package.

The integrated mounting hardware facilitates easy coupling with other QB242 or QR24/QM24 modules; The shallow form-factor, QR24-matching height and design and the Architect Color Option™, cater for a perfect integration.

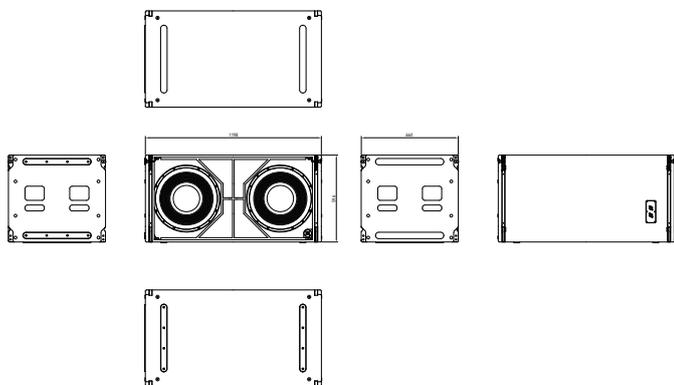
The QB242 is powered and controlled by the ALC amplified loudspeaker controller; Through the integrated processing and feedback, the ALC offers QB242-specific drive processing with optimal response and long-term reliability. The integrated factory presets in the ALC drive processor offer gain, phase and filtering matching with all Alcons top systems.

Through the Signal Integrity Sensing (SIS™) pre-wiring, the cable-length and connector resistance between the QB242 and ALC is dynamically compensated (system damping factor 10.000), further reducing distortion, while increasing response accuracy.

Typical applications for the Q-systems include main system for theatre, PA system in “acoustically challenging rooms”, mobile long-throw sound system a.o.

technical specifications QB242

dimensional drawing



technical specifications

Frequency response	43 Hz - 250 Hz	(+/- 3 dB)
	35 Hz -	(+/- 10 dB)
Sensitivity nominal	98 dB (40 Hz - 100 Hz)	
Nominal impedance	8 ohms	
Recommended drive	Sentinel3 min.	
Nominal SPL peak	124 dB (Sentinel3 40 Hz - 100 Hz)	
	130 dB (Sentinel10 40 Hz - 100 Hz)	
	135 dB (comparative)	
Dispersion H x V (single)	omni	

physical specifications

System	subwoofer, front-loaded	
Drivers LF	2x AW12.3ND-16, Neodymium 12", vented	
Connectors	2x Speakon NL4 input/link	
Physical dimensions	mm	inches
Height	658	25.9
Width	367	14.4
Depth	500	19.7
Weight (approx.)	kg	lb
	24	52.9
Warranty	6 years limited	

A: Alcons Audio
De Corantijn 69
1689 AN
ZWAAG
The Netherlands

E: info@alconsaudio.com
W: www.alconsaudio.com
T: +31 (0)229 28 30 90
F: +31 (0)229 28 30 99