



technical specifications QM18

general

- Modular scalable low-mid array system, with multiple units flown or stacked above each other
- Neodymium drivers for excellent performance-to-weight ratio
- SIS pre-wired for very high damping and further reduced distortion (with ALC)
- Passive filtering for easy operation and economical powering
- Durotect™ scratch-resistant coating

description

The QM18 is a modular, limited bandwidth loudspeaker to be used as vertical low-mid array, either in stacked or flown configuration, for both permanent and (limited) portable installations. It is designed as low-mid extension of a QR-array.

The QM18 “array in-fill” module is applied in a multiple QR-array, where the direct HF reproduction/projection of a QR is not required, but where an uninterrupted LMF line-source array is desirable for extended frequency control. The tightly spaced mid-bass transducers are fully compliant with the laws of line-array behaviour. The Signal Integrity Sensing™ pre-wiring ensures complete cable/connector compensation between

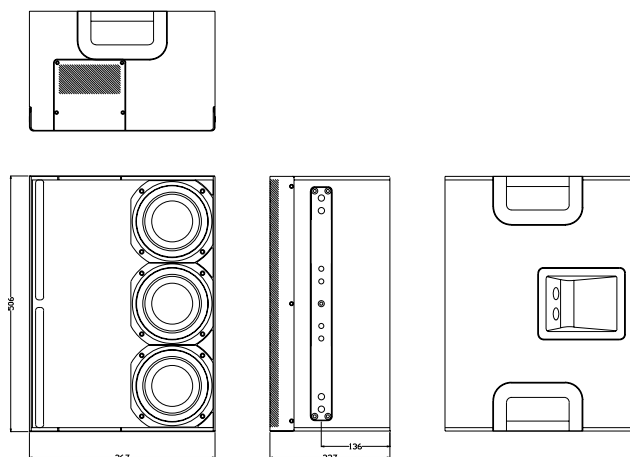


the QM18 and ALC. In this way, the ALC can be loaded down to 2 ohms, without any sacrifice on response quality (4 units QM18 parallel on one channel loads 3 ohms).

Typical applications for the QM-systems include “array in-fill” to a QR main system for theatre, PA system in “acoustically challenging rooms”, as well as high power side-fill stage monitoring.

For full system performance, the QM18 needs to be driven by an ALC controller-amplifier. Driven by the ALC, the QM18 delivers maximum sound quality with inaudible (power and excursion) protection (SDP circuit).

dimensional drawings



technical specifications

Frequency Response	
+/- 3 dB	74 Hz - 1.000 Hz
+/- 10 dB	53 Hz -
Sensitivity (SPL 1W/M)	97 dB
Nominal Impedance	12 ohms
Maximum RMS power (AES)	390 W
Maximum peak power (AES)	1500 W
SPL program (nom.)	123 dB
SPL peak (nom.)	129 dB
Dispersion H x V	90° x array length dep.

physical specifications

System	limited bandwidth	
Filtering	passive	
Drivers LF	3 x AND65/4 neodymium 6.5", vented	
Cross-over frequency	1000 Hz.	
Connectors	2 x Speakon NL4 input / link	
Physical dimensions	mm	inches
Height	506	19,9
Width	367	14,4
Depth	237	9,3
Weight (approx.)	14 kg	31 lb
Warranty	6 years limited	

A: Alcons Audio B.V.
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