



Audience AH36

Key features:

- Frequency response exceeding Hifi standards
- Absolute "line arrayability" H 36 degrees
- Very dynamic power handling
- SPLmax 145dB @ 1m
- Unparalleled "gain-before-feedback"
- For medium to long throw applications
- Complete system design for full "component-synergy"

The AH36 is a three-way active-filtered LMF/MF/HF cabinet, featuring double SA1205 12" speakers, double SA0802 8" speakers and double SA8535 Ribbon Compact Drivers; all mounted on their own wave-guide with a symmetrical dispersion of 36 degrees horizontal and 30 degrees vertical.

All speakers in the AH36 are forced cooled by the SA AIR-system. The AIR-system is reducing magnet operating temperature by 20 degrees. This reduction of operating temperature caters for a dramatically reduced power compression for the cone drivers and a doubled power handling for the Ribbon Compact Drivers.

The AH36 is a combination of traditional craftsmanship and high-tech CNC routers. The horn flares of each section are formed by 3mm Baltic birch plywood for smooth guided curves. The cavities between the cabinets side walls and behind the horn flares are filled with structural foam.

This construction has an excellent "stiffness-to-weight" ratio with excellent acoustic damping and cavity resonance suppression. The cabinet construction is made of 15mm multi-layer Baltic birch panels, connected with tongue and groove for a larger connecting surface and supported by lightweight bracing. A result for cabinets both extremely durable and very light in weight.

Technical specifications

Freq. Response (+/- 3 dB)	: 90 Hz – 20 kHz
Drivers	: LMF 2x SA1205, MF 2x SA0802, HF 2x SA8535XL
Cross-over frequency	: 250 - 1900 Hz
Nominal impedance	: LMF 4 ohm, MF 8 ohm, HF 6 ohm
Sensitivity @ 1W/1m	: LMF 107dB, MF 112dB, HF 113dB
Max RMS power	: LMF 300W, MF 200W, HF 240W
Max peak power	: LMF 2000W, MF 1300W, HF 1540W
SPL program/peak	: LMF 133/140dB, MF 135/142dB, HF 137/145dB
Dispersion H x V	: 36° x 30°

Enclosure

Box Construction	: 15 mm Birch plywood, Protecture finish, 8 handles
Grill	: Expanded steel, cloth-backed
Input Connectors	: 8-pin Speakon
Dimensions (H x W x D)	: 1100 x 626 x 592 mm (43.3 x 24.7 x 23.3 in.)
Net Weight	: 87 kg. (191.8 lb)
Warranty	: 5 years limited (1 year on 'moving parts')