

# AQ212

Compact, dual driver, vented sub-bass system

architectural

## features

- ▶ Compact low profile styling
- ▶ Dual 12" (300mm) direct radiating LF drivers with 3" (75mm) voice coils
- ▶ Generously sized, low noise ports
- ▶ Alternative textured paint colours to order

## applications

- ▶ Clubs, bars and restaurants
- ▶ Theatres
- ▶ Live sound in places of worship
- ▶ AV presentations



The Martin Audio AQ212 is a dual driver, direct radiating sub-bass in a heavily braced, vented enclosure. It features two very efficient 12" (300mm) long-throw bass drivers with high power 3" (75mm) voice coils and generously sized low frequency ports for low noise, high power operation.

The AQ212's unobtrusive styling makes it the ideal partner for Martin Audio AQ Series full-range loudspeakers where high bass impact is required from a compact installation.

A Martin Audio AQX Electronic Controller is available to provide subwoofer crossover, limiter and trim functions.

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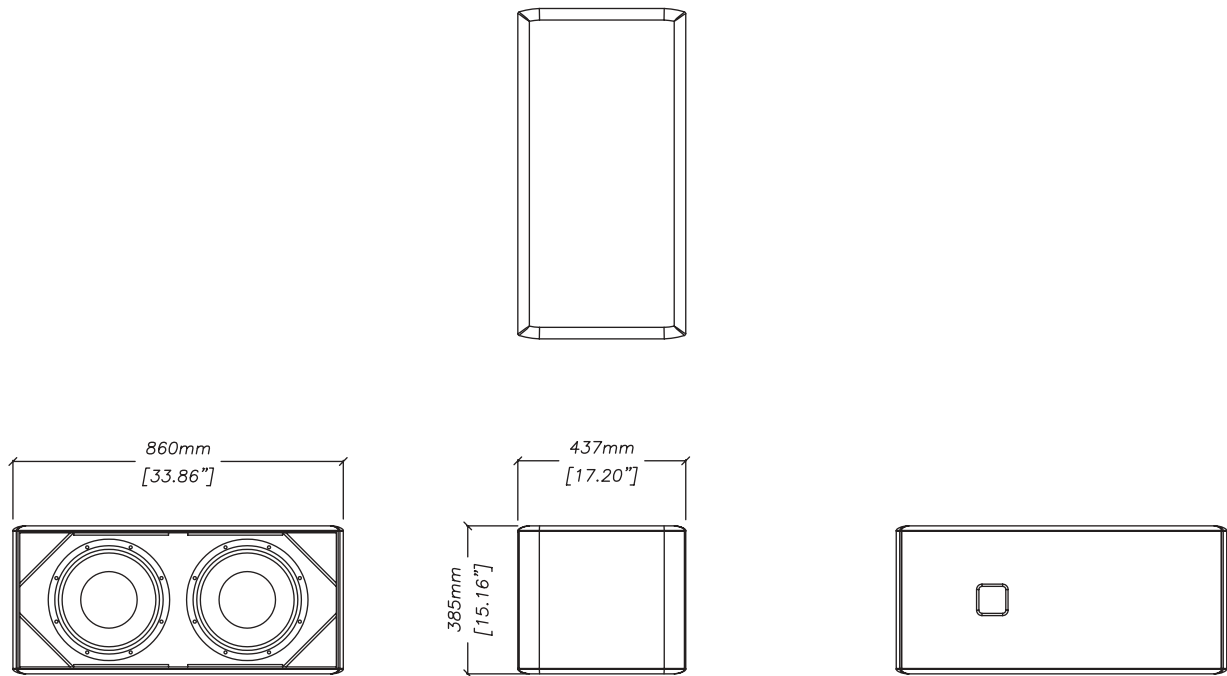


# AQ212

Compact, dual driver, vented sub-bass system

overall dimensions

architectural



AQ212

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# AQ212

Compact, dual driver, vented sub-bass system

## technical specifications

TYPE	Compact, dual driver, low profile, vented sub-bass
FREQUENCY RESPONSE (1)	48Hz-150Hz $\pm$ 3dB
DRIVERS	2 x 12" (300mm)/3" (75mm) voice coil LF drivers
RATED POWER (2)	800W AES, 3200W peak
RECOMMENDED AMPLIFIER	400-1200W into 4 ohms
SENSITIVITY (6), (3)	99dB (open space), 105dB (half space)
MAXIMUM SPL (calculated @ 1m)	123dB continuous, 129dB peak (open space) 129dB continuous, 135dB peak (half space)
NOMINAL IMPEDANCE	4 ohms
CROSSOVER	120Hz active (via AQX controller)
ENCLOSURE	100 litre, braced 18mm MDF
FINISH	Textured light grey paint
PROTECTIVE GRILLE	Light grey perforated steel
CONNECTORS	Low profile 20 amp push-lock
FITTINGS	
OPTIONS	Passive low pass filter
DIMENSIONS	(W) 860mm x (H) 385mm x (D) 437mm (W) 33.9ins x (H) 15.2ins x (D) 17.2ins
WEIGHT	39kg (86lbs)

## architectural and engineering specifications

The loudspeaker system shall be of the compact, dual driver, sub-bass type consisting of two 12" (300mm) 3" (75mm) voice coil direct radiating reflex loaded low frequency transducers in an internally braced low profile MDF enclosure. The loudspeaker shall be operated with a separate electronic controller for dedicated sub-bass use.

Performance of the loudspeaker system with its electronic controller shall meet or exceed the following criteria:

Frequency response measured 1 metre on axis shall be 48Hz-150Hz  $\pm$  3dB.

Power handling shall be 800W AES, 3200W peak.

Rated impedance shall be 4 ohms.

Maximum SPL measured at 1 metre on axis shall be 129dB continuous, 135dB peak.

Dimensions (W) 860mm x (H) 385mm x (D) 437mm (33.9ins x 15.2ins x 17.2ins).

Weight 39kg (86lbs).

The loudspeaker system shall be the Martin Audio AQ212.

## Notes

- (1) Measured on-axis in half space at 2 metres, then referred to 1 metre.
- (2) AES Standard ANSI S4.26-1984.
- (3) Measured in half space at 2 metres with 1 watt input, using band limited pink noise, then referred to 1 metre.
- (4) Measured in half space at 2 metres using band limited pink noise, then referred to 1 metre.
- (5) Measured on-axis in open ( $4\pi$ ) space at 2 metres, then referred to 1 metre.
- (6) Measured in open ( $4\pi$ ) space at 2 metres with 1 watt input, using band limited pink noise, then referred to 1 metre.
- (7) Measured in open ( $4\pi$ ) space at 2 metres using band limited pink noise, then referred to 1 metre.

## Trade Descriptions Act

Due to Martin Audio's policy of continuing improvement, we reserve the right to alter these specifications without prior notice. Martin Audio is committed to refining state of the art sound reinforcement, combining in-depth product and field applications research with advanced manufacturing techniques. Every Martin Audio product is built to the highest manufacturing standards and rigorously tested to ensure that it meets the performance criteria specified in the design.

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