

AQ215

Compact, dual driver, vented sub-bass system

features

- ▶ Compact low profile styling
- ▶ Dual 15" (380mm) direct radiating LF drivers with 4" (100mm) 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



architectural

The Martin Audio AQ215 is a dual driver, direct radiating sub-bass in a heavily braced, vented enclosure. It features two very efficient 15" (380mm) long-throw bass drivers with high power 4" (100mm) voice coils and generously sized low frequency ports for low noise, high power operation.

The AQ215's extended low-bass response and high efficiency make it the ideal partner for Martin Audio AQ Series full-range loudspeakers where high power, extended bass is required from a relatively compact enclosure.

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

Century Point, Halifax Road, Cressex Business Park,
High Wycombe, Buckinghamshire HP12 3SL, England.
Telephone: +44 (0)1494 535312 Facsimile: +44 (0)1494 438669
E-mail: info@martin-audio.com
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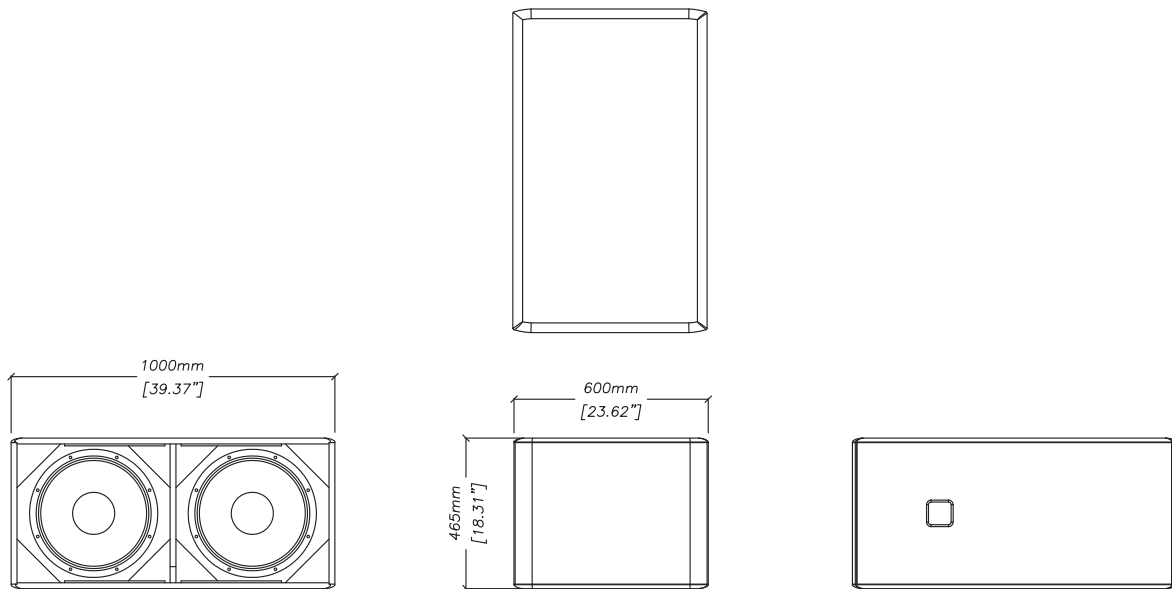


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Compact, dual driver, vented sub-bass system

overall dimensions

architectural



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Compact, dual driver, vented sub-bass system

architectural

technical specifications

TYPE	Compact, dual driver, low profile, vented sub-bass
FREQUENCY RESPONSE (1)	40Hz-120Hz \pm 3dB
DRIVERS	2 x 15" (380mm)/4" (100mm) voice coil LF drivers
RATED POWER (2)	1000W AES, 4000W peak
RECOMMENDED AMPLIFIER	MA5.2K
SENSITIVITY (6), (3)	101dB (open space), 107dB (half space)
MAXIMUM SPL (9)	131dB continuous, 137dB peak (open space) 137dB continuous, 143dB peak (half space)
NOMINAL IMPEDANCE	4 ohms
CROSSOVER	120Hz active (via AQX controller)
ENCLOSURE	207 litre, braced 18/24mm 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) 1000mm x (H) 465mm x (D) 600mm (W) 39.4ins x (H) 18.3ins x (D) 23.6ins
WEIGHT	67.5kg (149lbs)

architectural and engineering specifications

The loudspeaker system shall be of the compact, dual driver, sub-bass type consisting of two 15" (380mm) 4" (100mm) 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 40Hz-120Hz \pm 3dB.

Power handling shall be 1000W AES, 4000W peak.

Rated impedance shall be 4 ohms.

Maximum SPL calculated at 1 metre on axis shall be 137dB continuous, 143dB peak (half space).

Dimensions (W) 1000mm x (H) 465mm x (D) 600mm (39.4ins x 18.3ins x 23.6ins).

Weight 67.5kg (149lbs).

The loudspeaker system shall be the Martin Audio AQ215.

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 (4π) space at 2 metres, then referred to 1 metre.
- (6) Measured in open (4π) space at 2 metres with 1 watt input, using band limited pink noise, then referred to 1 metre.
- (7) Measured in open (4π) space at 2 metres using band limited pink noise, then referred to 1 metre.
- (8) Measured in open (4π) space at 2 metres with 2.83V input, using band limited pink noise, then referred to 1 metre.
- (9) Calculated at 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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