The Martin Audio AQ6 is a two-way passive loudspeaker designed to fulfill the requirement for dynamic performance from a very small, architecturally friendly, vented enclosure. It features a 6.5” (165mm) direct radiating, long-throw bass unit and a 1” (25mm) doped fabric dome driver coupled to a constant directivity conical coverage HF horn.

The AQ6’s miniature size makes it an ideal loudspeaker for visibly unobtrusive applications in clubs, bars, AV presentations, places of worship, museums, foyers, sports venues and exhibition centres. The AQ6 may also be used for supplementary live sound applications such as theatre apron fills, orchestra pit fills and delay systems.

The AQ6 is housed in a thick-walled structural ABS foam enclosure with a flush, acoustically transparent steel grille. The enclosure is fitted with four M6 inserts for fitting either AQWB6 or AQCB6 brackets to allow for horizontal or vertical mounting, plus an additional M6 insert for a safety point.

A Martin Audio AQX Electronic Controller is available to provide AQ6/subwoofer crossover, limiter and trim functions.
AQ6
Ultra-compact, full-range system

Horizontal polar plots - 1/3rd 8ve, 6dB/div

Vertical
AQ6
Ultra-compact, full-range system

**Frequency responses**

**Horizontal (symmetrical)**

**Vertical -(up)**

**Vertical + (down)**
AQ6
Ultra-compact, full-range system

overall dimensions

207mm
[8.14”]

207mm
[8.15”]

316mm
[12.44”]

26mm
[1.00”]

65mm
[2.56”]

126mm
[4.94”]

65mm
[2.56”]
### Technical Specifications

| Type | Ultra-compact, two-way passive, vented trapezoid |
| Frequency Response (1) | 80Hz-20kHz ± 3dB |
| Drivers | 6.5" (165mm) bass driver, 1" (25mm) horn loaded dome tweeter |
| Rated Power (2) | 100W AES, 400W peak |
| Recommended Amplifier | MA2.8Q |
| Sensitivity (6) | 90dB |
| Maximum SPL (9) | 110dB continuous, 116dB peak |
| Nominal Impedance | 8 ohms (16 ohms optional) |
| Dispersion (-6dB) | 90° horizontal, 90° vertical |
| Crossover | 3.5kHz passive |
| Enclosure | 9 litre, structural foamed ABS |
| Finish | Textured light grey paint |
| Protective Grille | Light grey perforated steel |
| Connectors | Low profile 12 amp push-lock |
| Fittings | 4 x M6 inserts for bracket, 1 x M6 insert for safety point |
| Options | 30W 100/70V line transformer |
| Dimensions (W) x (H) x (D) | 207mm x 316mm x 207mm (8.2ins x 12.5ins x 8.2ins) |
| Weight | 6kg (13.2lbs) |

### Accessories

- AQWB6: Wall Bracket
- AQCB6: Ceiling Bracket

### Notes

1. Measured on-axis in half space at 2 metres, then referred to 1 metre.
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.

### Architectural and Engineering Specifications

The loudspeaker system shall be of the two-way passive type consisting of one 6.5" (165mm) direct radiating reflex loaded low frequency transducer and one 1" (25mm) horn loaded dome tweeter in a structural foamed ABS trapezoidal enclosure. The enclosure shall be fitted with threaded inserts for attachment to a custom bracket. An internal 3.5kHz passive crossover network shall integrate the low and high frequency sections.

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 80Hz-20kHz ± 3dB.
- High frequency dispersion at -6dB points shall be 90°H × 90°V.
- Power handling shall be 100W AES, 400W peak.
- Rated impedance shall be 8 ohms.
- Maximum SPL calculated at 1 metre on axis shall be 110dB continuous, 116dB peak.
- Dimensions (W) 207mm x (H) 316mm x (D) 207mm (8.2ins x 12.5ins x 8.2ins).
- Weight 6kg (13.2lbs).

The loudspeaker system shall be the Martin Audio AQ6.