The Martin Audio AQ15 is a two-way passive loudspeaker designed to provide very high sound pressure levels from an architecturally friendly, heavily braced, vented enclosure. It features a 15" (380mm) long-throw, direct radiating bass driver with a 3" (75mm) voice coil, and a 2.5" (63mm) diaphragm, 1.4" (35mm) exit compression driver coupled to a true constant directivity HF horn.

The AQ15’s very high power makes it suitable for medium to large scale sound applications in clubs, bars, AV presentations, places of worship, foyer presentations, sports venues and large exhibition spaces. Its very high sound pressure level and extended low frequency response makes it suitable for medium throw live sound applications in theatres and concert halls and its sonic accuracy makes it appropriate for large scale post production applications.

The AQ15 features a generously sized high frequency horn and a high order crossover for superior pattern control down into the low midrange and smooth off-axis characteristics. The AQ15 is housed in a heavily braced MDF enclosure and fitted with a flush, acoustically transparent steel grille. The enclosure is fitted with twelve M8 inserts to make a variety of mounting methods possible, including horizontal and vertical mounting.

A Martin Audio AQX Electronic Controller is available to provide AQ15/subwoofer crossover, limiter and trim functions.
Compact, full-range system

**Horizontal**

**Vertical**

polar plots - 1/3rd 8ve, 6dB/div
AQ15
Compact, full-range system

Frequency responses:

- **Horizontal (symmetrical)**
- **Vertical -(up)**
- **Vertical + (down)**

[Graphs showing frequency responses for different orientations]
AQ15
Compact, full-range system

Overall dimensions:
- 205mm (8.05"")
- 322mm (12.67")
- 43mm (1.69")
- 469mm (18.45")
- 415mm (16.34")
- 690mm (27.17")
- 604mm (23.78")
- 43mm (1.69")

AQ15
The loudspeaker system shall be of the two-way passive type consisting of one 15" (380mm) direct radiating reflex loaded low frequency transducer and one 1.4" (35mm) exit HF compression driver mounted on a user rotatable constant directivity horn in a trapezoidal MDF enclosure. The enclosure shall be fitted with threaded inserts to allow for a variety of mounting methods. An internal 1.6kHz 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 55Hz-18kHz ±3dB.

High frequency dispersion at -6dB points shall be 80° horizontal, 50° vertical.

Power handling shall be 400W AES, 1600W peak.

Rated impedance shall be 8 ohms.

Maximum SPL calculated at 1 metre on axis shall be 125dB continuous, 131dB peak.

Dimensions (W) 469mm x (H) 690mm x (D) 415mm (18.5ins x 27.2ins x 16.4ins).

Weight 33.5kg (74lbs).

The loudspeaker system shall be the Martin Audio AQ15.