

# AM906

Large format mid/high horn

architectural

## features

- ▶ 90° x 60° large format horn
- ▶ High SPL mid/high install system
- ▶ Lightweight composite construction
- ▶ Port assisted, large format 10" (250mm) mid horn
- ▶ 1.4" (35mm) exit high frequency horn
- ▶ Constant directivity in both horizontal and vertical planes

## applications

- ▶ Sports Stadia
- ▶ Arenas
- ▶ Exhibition halls

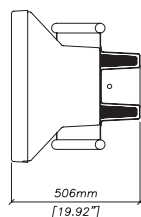
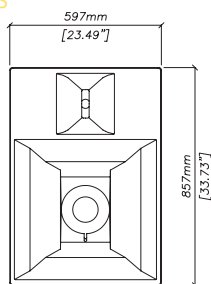
The AM906 is an extended range mid/high system which has been developed specifically for large scale install applications such as arenas and stadia. It can be used in either a bi-amplified or optional 2-way passive configuration. As a stand-alone system it provides exceptional intelligibility over its uniform 90° x 60° coverage pattern. For full-range music reproduction, it can also be used in conjunction with the ASI 18 low-frequency loudspeaker.



## technical specifications

|                          |   |
|--------------------------|---|
| TYPE                     | Two-way large format mid/high horn  |
| FREQUENCY RESPONSE (1)   | 165Hz-18kHz ± 3dB<br>135Hz @ -10dB  |
| DRIVERS                  | 10" (250mm) midrange driver<br>1.4" (35mm) exit HF compression driver   |
| RATED POWER (2)          | MF: 400W AES, 1600W peak<br>HF: 150W AES, 600W peak<br>Passive 2-way: 400W AES, 1600W peak                          |
| SENSITIVITY (3)          | MF: 108dB<br>HF: 106dB<br>Passive 2-way: 107dB  |
| MAXIMUM SPL (calculated) | MF: 134dB continuous, 140dB peak<br>HF: 128dB continuous, 134dB peak<br>Passive 2-way: 133dB continuous, 139dB peak |
| NOMINAL IMPEDANCE        | MF: 8 ohms, HF: 8 ohms<br>Passive 2-way: 8 ohms   |
| DISPERSION (-6dB)        | 90° horizontal, 60° vertical  |
| CROSSOVER                | 1.5kHz active or passive  |
| CONSTRUCTION             | Lightweight weather resistant composite   |
| CONNECTORS               | 3m flying leads   |
| MOUNTING                 | Yoke or via 8 flying points to fit M12 bolts  |
| DIMENSIONS               | (W) 597mm x (H) 857mm x (D) 506mm<br>(W) 23.5ins x (H) 33.7ins x (D) 20ins  |
| WEIGHT                   | 34kg (76lbs)  |
| OPTIONS                  | Passive 2-way crossover<br>150W 70/100 volt line transformer  |

## overall dimensions



AM906

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](mailto:info@martin-audio.com)  
All information is Copyright © 2003 Martin Audio Ltd.



[www.martin-audio.com](http://www.martin-audio.com)