EM251
High power, compact sub-bass system

features
- High power, compact sub-bass system
- 2 x 15" (380mm) drive units
- High bass output

applications
- Music playback in clubs and bars
- AV presentations
- Theatres
- Conference centres

Developed for use with EM Series full-range systems, this very high powered compact sub-bass enclosure features extended LF from two optimally tuned 15" drive units capable of providing high system output levels.

The rugged EM251 is designed for use on the ground, delivering exceptionally high bass output with increased system headroom. It is designed to be used in conjunction with Martin Audio EMX1A or EMX2A controllers which provide an active crossover of 120Hz, plus system limiting and equalisation.
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overall dimensions

572mm
[22.52”]

827mm
[32.56”]

585mm
[23.03”]

235mm
[9.25”]

EM251
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technical specifications

<table>
<thead>
<tr>
<th>TYPE</th>
<th>Compact, dual-driver sub-bass system</th>
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<tbody>
<tr>
<td>FREQUENCY RESPONSE (1)</td>
<td>38Hz-120Hz ± 3dB</td>
</tr>
<tr>
<td>DRIVERS</td>
<td>2 x 15” (380mm) bass driver</td>
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<tr>
<td>RATED POWER (2)</td>
<td>800W AES, 3200W peak</td>
</tr>
<tr>
<td>RECOMMENDED AMPLIFIER</td>
<td>550-800W into 4 ohms</td>
</tr>
<tr>
<td>SENSITIVITY (3)</td>
<td>99dB</td>
</tr>
<tr>
<td>MAXIMUM SPL (4)</td>
<td>126dB continuous, 132dB peak</td>
</tr>
<tr>
<td>NOMINAL IMPEDANCE</td>
<td>4 ohms</td>
</tr>
<tr>
<td>DISPERSION (-6dB)</td>
<td>-</td>
</tr>
<tr>
<td>CROSSOVER</td>
<td>120Hz active (via EMX1A/EMX2A)</td>
</tr>
<tr>
<td>ENCLOSURE</td>
<td>200 litre, vented</td>
</tr>
<tr>
<td>FINISH</td>
<td>Textured green paint</td>
</tr>
<tr>
<td>PROTECTIVE GRILLE</td>
<td>Grey perforated steel</td>
</tr>
<tr>
<td>CONNECTORS</td>
<td>1 x Neutrik NL4</td>
</tr>
<tr>
<td>FITTINGS</td>
<td>-</td>
</tr>
<tr>
<td>DIMENSIONS</td>
<td>(W) 572mm x (H) 827mm x (D) 585mm</td>
</tr>
<tr>
<td></td>
<td>(W) 22.5ins x (H) 32.5ins x (D) 23ins</td>
</tr>
<tr>
<td>WEIGHT</td>
<td>58.5kg (129lbs)</td>
</tr>
</tbody>
</table>

architectural and engineering specifications

The loudspeaker system shall be of the dual-driver sub-bass type consisting of two 15” (380mm) direct radiating reflex loaded low frequency transducers. The loudspeaker system shall operate with a separate dedicated electronic system controller.

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 38Hz-120Hz ± 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 126dB continuous, 132dB peak.
Dimensions (W) 572mm x (H) 827mm x (D) 585mm (22.5ins x 32.5ins x 23ins).
Weight 58.5kg (129lbs).

The loudspeaker system shall be the Martin Audio EM251.

Notes
(1) Measured on-axis in half space at 2 metres, then referred to 1 metre.
(3) Measured in half space conditions at 2 metres with 1 watt input, using band limited pink noise, then referred to 1 metre.
(4) Measured in half space conditions 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.