

**The i-12 is the largest subwoofer in the i-Series by EM Acoustics, and represents a unique approach to low frequency reproduction from a compact enclosure.**

**FEATURES AND BENEFITS**

- Exceptional low frequency extension for enclosure size
- Compact enclosure dimensions for easy concealment when in use
- Effortlessly extends the operating band of any loudspeaker system
- True ultra-low frequency subwoofer



The i-12 was designed to provide an extreme low frequency solution for a variety of applications. The unique design provides unprecedented sonic depth from an enclosure of this size. With a response extending down to below 28Hz, the i-12 is ideal as true sub bass in live venues or nightclubs, or as an effect for theatres, museums, cinemas or even simulators.

The enclosure contains four high power 12" (305mm) drive units, loaded as two compound isobaric pairs. This design gives a usable response down to 27Hz, without any artificial equalisation. The i-12 can therefore add 'depth and warmth' to any system, even where larger subwoofers would normally have been used. Connections are via a pair of Neutrik® speakON™ NL4 connectors on a recessed rear panel for input and enclosure link. Also located on the rear panel is a recessed switch which changes the impedance of the i-12 from 2 ohms to 2 x 4 ohms.

The rugged enclosure is constructed from premium 18mm (3/4") multi-laminate Birch plywood, rebated, screwed and glued together for maximum strength.

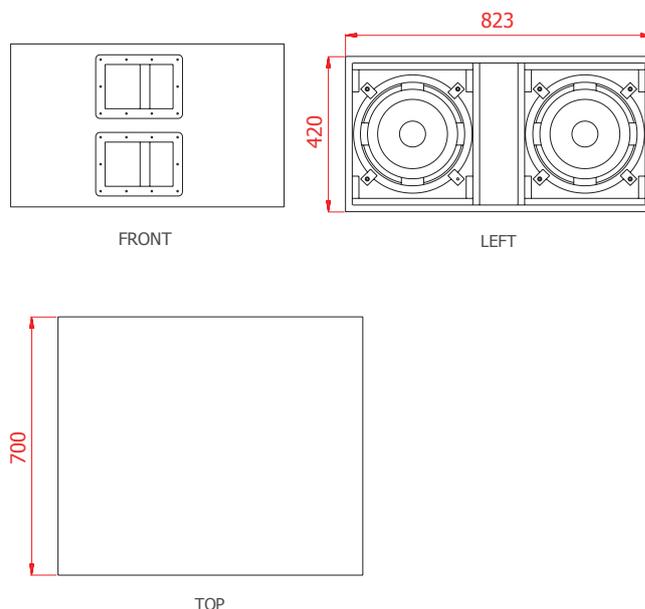
The enclosure is finished in black or white textured paint as standard, however RAL colour matching and weather protection options are available. Two steel bar handles on each side of the enclosure are fitted to enable easy movement of the subwoofer. Two perforated steel mesh grilles covered with acoustically transparent black foam protect the drive units from damage and moisture. For service purposes, the rear pair of drive units can be accessed via a removable door on the rear panel of the enclosure.

The i-12 requires active high/low pass filters and one or two amplifier channels (depending on mode selected) capable of delivering 1500-2000W RMS into a 2 ohm load, or 2 x 800-1000W into 4 ohm loads. For optimal results, either the DQ Series Advanced System Amplifiers, or the AD or AQ Series amplifiers combined with DSC48 processors should be used.

**TECHNICAL SPECIFICATIONS**

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|--|---|
| <b>ENCLOSURE TYPE:</b>                 | Compound isobaric subwoofer   |
| <b>DIMENSIONS (HxWxD)</b>              | 420 (16.5) x 823 (32.4) x 700 (27.6) mm/(ins)   |
| <b>NET/SHIPPING WEIGHT:</b>            | 83/86kg (182.6/189.2lbs)  |
| <b>FREQUENCY RESPONSE<sup>1</sup>:</b> | 27Hz – 100Hz +/- 3dB  |
| <b>SENSITIVITY<sup>2</sup>:</b>        | 93dB  |
| <b>DISPERSION<sup>3</sup>:</b>         | Omnidirectional   |
| <b>DRIVE UNITS:</b>                    | 4 x 12" (305mm) LF cone drive units   |
| <b>POWER HANDLING:</b>                 | 1000W RMS, 2000W program  |
| <b>MAXIMUM SPL<sup>4</sup>:</b>        | 126dB continuous, 132dB peak  |
| <b>NOMINAL IMPEDANCE:</b>              | 2 ohms or 2 x 4 ohms (selectable)   |
| <b>CROSSOVER:</b>                      | Active, recommended below 100Hz (24dB/Octave L-R)   |
| <b>CONNECTORS:</b>                     | 2 x Neutrik® speakON™ NL4   |
| <b>ENCLOSURE:</b>                      | 18mm (3/4") multi-laminate Birch plywood – rebated, screwed and glued.<br>Finished in impact resistant textured paint |
| <b>HARDWARE ENCLOSURE:</b>             | 4 x steel bar handles   |
| <b>GRILLE:</b>                         | Hex punched steel covered with acoustically transparent black foam  |
| <b>OPTIONS:</b>                        | Colours/Weather Protection  |
| <b>ACCESSORIES:</b>                    | TC-i12 padded touring cover<br>WB-i12 touring wheelboard  |
| <b>SPARE PARTS:</b>                    | DU-1204 12" (305mm) drive unit<br>RK-1204 recone kit<br>RFG-i12 replacement foam/grille set                           |

**ENGINEERING DRAWING**



**NOTES ON MEASUREMENT CONDITIONS:**

<sup>1</sup>Measured on-axis at 2m in an anechoic environment and referenced to 1m. <sup>2</sup>Measured in half space at 2m with 4W sine wave input and referenced to 1m. <sup>3</sup>Nominal dispersion, measured in an anechoic environment and averaged over stated bandwidth. <sup>4</sup>Calculated and verified by subjective listening test of familiar program material.

