The Screen 5B full-range system has been developed for use in medium to large-scale cinema environments. The system consists of a 2 x 15" (380mm) low frequency section plus a unique mid-range and high frequency horn which exhibits ideal pattern control across its operating range from 300Hz-20kHz.

The Screen 5B benefits from the same compound mid-range/HF horn as the Screen 6 giving exemplary performance and focused coverage over its entire operating bandwidth.

The Screen 5B would normally be operated as a bi-amped system using the Martin Audio CMX2A Cinema Controller.
Screen 5B
Three-way bi-amp system

overall dimensions
Three-way bi-amp system

The loudspeaker system shall be of the three-way bi-amp type supplied in two separate sections. The bass section shall consist of two 15" (380mm) direct radiating reflex loaded low frequency transducers in a shallow profile enclosure. The large format compound horn section shall consist of one 6.5" (165mm) treated cone driver mounted on a 90° x 50° horn with a ‘phase-ball’ loading device and one 1" (25mm) exit HF compression driver mounted on a 90° x 50° constant directivity horn. The loudspeaker system shall be operated with a separate electronic controller providing a 300-500Hz crossover between low and mid/high frequency sections. The mid and high frequency sections shall be integrated by an internal 2.2kHz passive crossover network.

Performance of the loudspeaker system with its electronic controller shall meet or exceed the following criteria:

1. Frequency response measured 1 metre on axis shall be 45Hz-20kHz ±3dB.
2. High frequency dispersion at -6dB points shall be 90˚ horizontal, 50˚ vertical.
3. Power handling shall be 800W AES, 3200W peak LF, 150W AES, 600W peak MF + HF.
4. Rated impedance shall be 4 ohms LF, 8 ohms MF + HF.
5. Sensitivity 1 Watt/1 metre shall be 100dB LF, 107dB MF + HF.

Dimensions LF: (W) 670mm x (H) 1010mm x (D) 470mm (26.4ins x 39.8ins x 18.5ins)
MF/HF: (W) 715mm x (H) 885mm x (D) 610mm (28.1ins x 34.8ins x 24ins)

Weight LF: 61kg (134.5lbs) MF/HF: 18kg (39.6lbs)

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.