Blackline H3

All-horn three-way system

features
- All-horn three-way system
- ‘Phase-ball’ loaded mid-driver
- Hybrid™ LF section
- Fitted with handles and castors
- Five year limited warranty

applications
- Larger club performance
- Large scale installs

The Blackline H3 is a very high performance, all-horn, three-way system in a single, wide-bandwidth package. The Hybrid™ low frequency section comprises a horn-loaded 15” (380mm) / 4” (100mm) voice coil driver that is reflex loaded to extend the LF output to below the natural horn cut-off point. The 10” (250mm) mid-horn features a unique ‘phase-ball’ loading device and is teamed with a 70º x 40º horn-loaded 1” (25mm) exit compression driver for efficient mid-HF performance. The system has a passive 2kHz mid-HF crossover network to permit bi-amp operation using the M3 Electronic Controller.

The H3 is housed in a trapezoidal birch ply cabinet and may be horizontally arrayed for wide coverage applications. Its twelve M10 inserts make a variety of mounting methods possible including horizontal or vertical mounting. Generous handles and rear castors are fitted for easy cabinet deployment.

A Martin Audio M3 Electronic Controller is available to provide H3 crossover and limiter facilities. See the M3 Electronic Controller Technical Specifications for suitable M3 Controller Cards.
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H3 Vertical
- 200Hz ± 1/3oct. smoothing
- 600Hz ± 1/3oct. smoothing
- 1200Hz ± 1/3oct. smoothing
- 3200Hz ± 1/3oct. smoothing
- 6400Hz ± 1/3oct. smoothing
- 12800Hz ± 1/3oct. smoothing

H3 Horizontal
- 200Hz ± 1/3oct. smoothing
- 600Hz ± 1/3oct. smoothing
- 1200Hz ± 1/3oct. smoothing
- 3200Hz ± 1/3oct. smoothing
- 6400Hz ± 1/3oct. smoothing
- 12800Hz ± 1/3oct. smoothing
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**H3 Horizontal Magnitude in dB SPL/2.83V at 1 meter**

**H3 Horizontal Beamwidth**

**H3 Vertical Beamwidth**

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Overall dimensions
**Blackline H3**

All-horn three-way system

The loudspeaker system shall be of the trapezoidal three-way bi-amp Hybrid™ fully horn-loaded type, consisting of one 15" (380mm) horn and reflex loaded low frequency transducer, one 10" (250mm) horn loaded mid frequency transducer with a 'phase-ball' loading device and one 1" (25mm) exit HF compression driver mounted on a constant directivity horn. The enclosure shall be of a multi-laminate birch ply construction with threaded inserts for wall and ceiling mounting and fitted with 4" castors for easy deployment. The mid and high frequency sections shall be integrated by an internal 2kHz passive crossover network.

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 50Hz-18kHz ±3dB.
- High frequency dispersion at -6dB points shall be 70˚H x 40˚V.
- Power handling shall be 500W AES, 2000W peak LF, 300W AES, 1200W peak MF + HF.
- Rated impedance shall be 8 ohms LF, 8 ohms MF + HF.
- Maximum SPL measured at 1 metre on axis shall be 130dB continuous, 136dB peak.
- Dimensions (W) 560mm x (H) 1066mm x (D) 780mm (911mm)
- Weight 77.5kg (170.5lbs).

The loudspeaker system shall be the Martin Audio H3.

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