

Blackline F8

Ultra-compact two-way passive system

features

- ▶ Ultra-compact two-way system
- ▶ Multi-angle birch ply enclosure
- ▶ User rotatable 90° x 50° horn
- ▶ Flexible mounting options
- ▶ Five year limited warranty

applications

- ▶ Club sound reinforcement
- ▶ Unobtrusive stage monitoring
- ▶ Fill-in system for main PA
- ▶ AV presentations



portable club

The Blackline F8 is a versatile, 2-way passive system designed for applications where high output is required from an ultra-compact enclosure. It features a long-excursion 8" (200mm) low frequency driver and a 1" (25mm) HF compression driver mounted on a constant directivity 90° x 50° horn. The horn is user rotatable to allow the F8's multi-angle enclosure to be used in either its vertical or horizontal orientation, depending on the application. Special attention has been given to the high excursion requirement of the LF driver. This enables the sound balance of the speaker to remain consistent throughout a range of power inputs. Where extra low frequency output is required, sub-bass systems such as the Blackline S12 or S15 may be added.

The enclosure is provided with ten M8 inserts and four M6 bracket inserts for a variety of mounting arrangements. It is also provided with a top hat fitting for use with a tripod or as a pole socket for mounting above a Blackline subwoofer.

Use of a controller with the F8 is optional. For demanding applications, an M3 or DXI controller configured to perform EQ and limiter functions is recommended.

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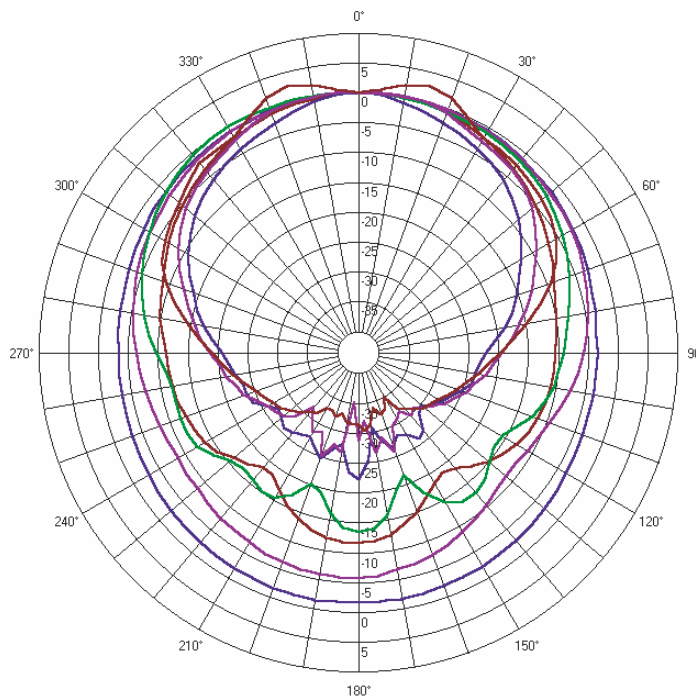
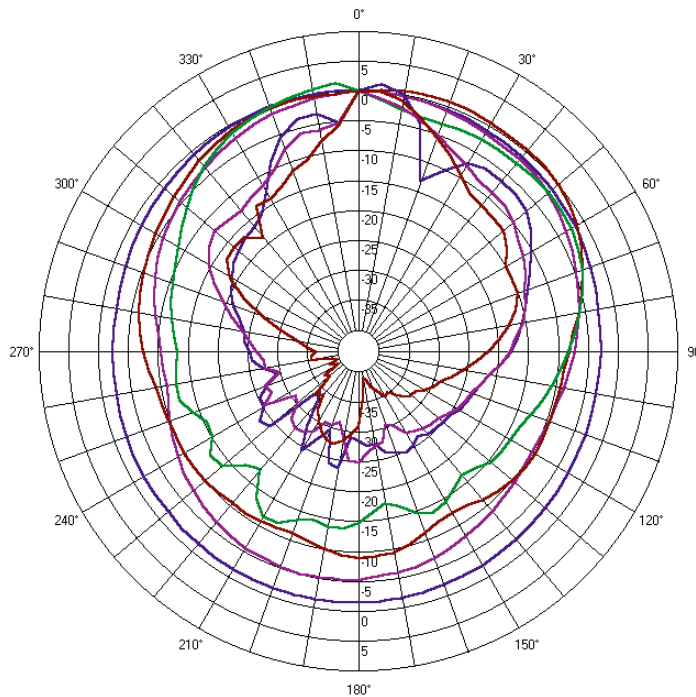


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polar plots

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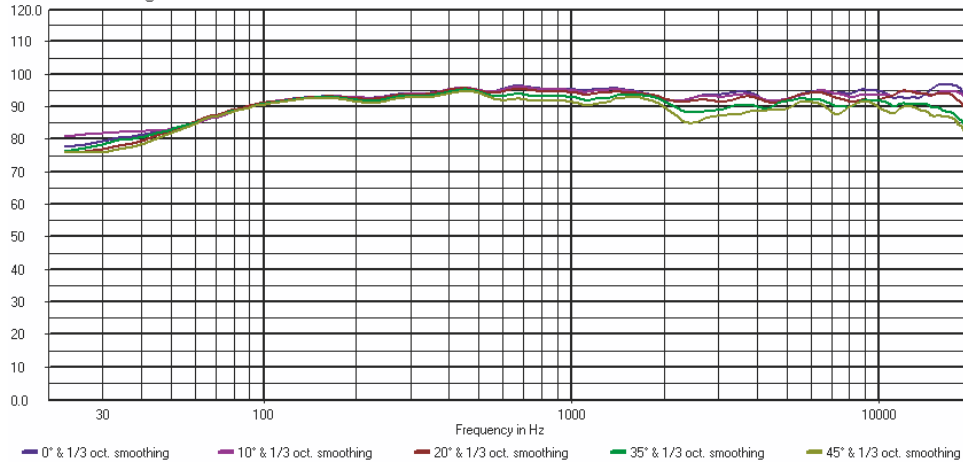
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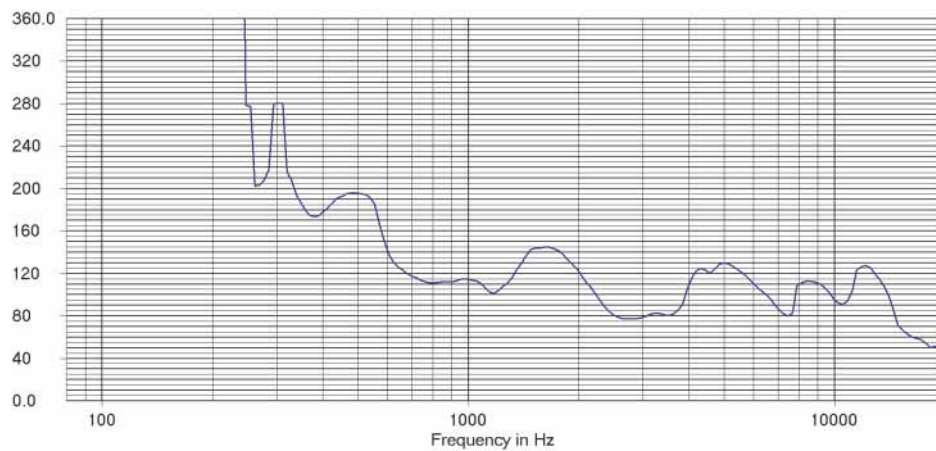
frequency responses

portable club

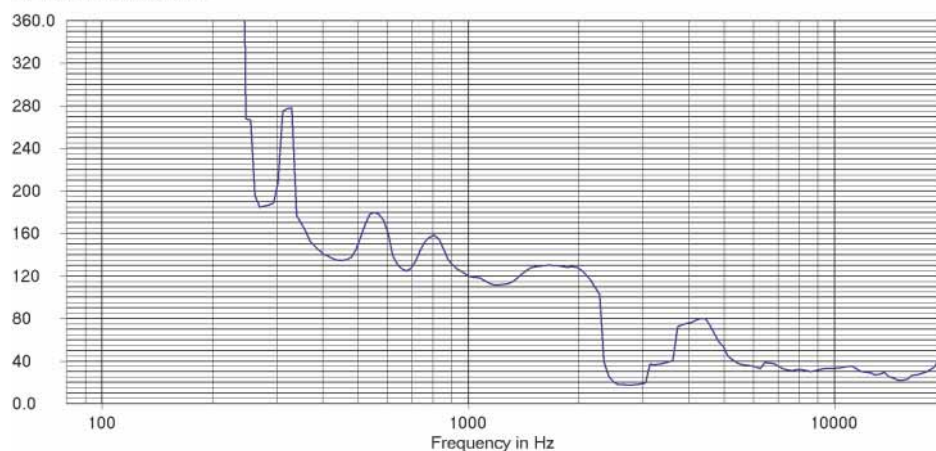
F8 Horizontal Magnitude in dB SPL/2.83V at 1 meter



F8 Horizontal Beamwidth



F8 Vertical Beamwidth



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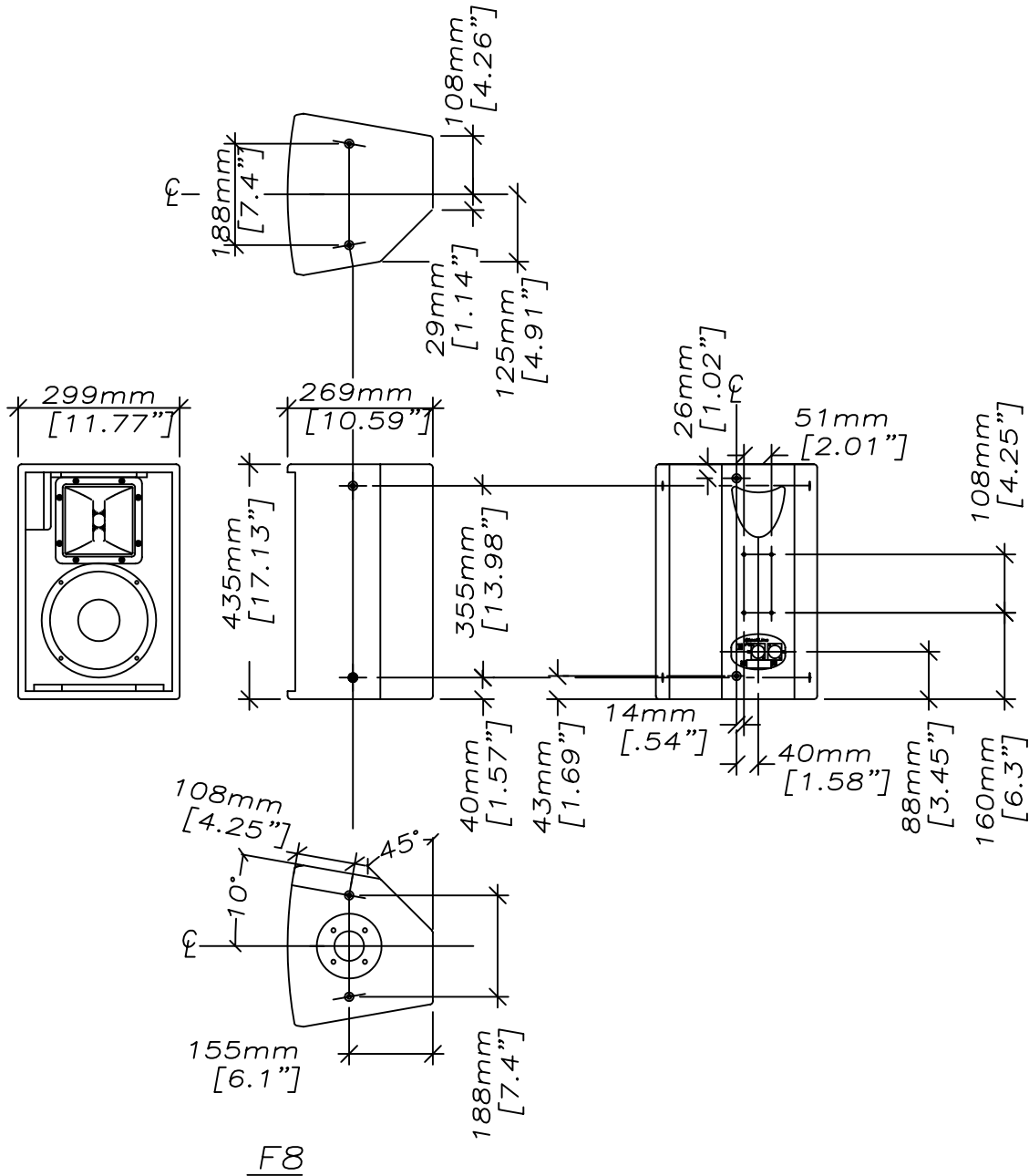


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overall dimensions

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Ultra-compact two-way passive system

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technical specifications

TYPE	Ultra-compact, two-way passive
FREQUENCY RESPONSE (1)	70Hz-20kHz \pm 3dB
LOW FREQUENCY LIMIT	55Hz (-10dB)
DRIVERS	1 x 8" (200mm)/2" (50mm) voice coil LF driver 1 x 1" (25mm) exit HF compression driver
RATED POWER (2)	150W AES, 600W peak
RECOMMENDED AMPLIFIER	200-600W into 4 ohms
SENSITIVITY (3)	93dB
MAXIMUM SPL (4)	113dB continuous, 119dB peak
IMPEDANCE	8 ohms nominal
DISPERSION (-6dB)	90°H x 50°V
CROSSOVER	2.5kHz passive
ENCLOSURE	14.8 litre (0.5 cu foot) vented, multi-laminate birch ply
FINISH	Textured black paint
PROTECTIVE GRILLE	Black perforated steel
CONNECTORS	2 x Neutrik Speakon NL4
FITTINGS	10 x M8 threaded inserts, 1 x top hat fitting 4 x M6 inserts for HTKM10 wall bracket
DIMENSIONS	(W) 299mm x (H) 435mm x (D) 269mm (W) 11.8ins x (H) 17.1ins x (D) 10.6ins
WEIGHT	12kg (26lbs)

accessories

HTKCT04	Pole
HTKCT05	8mm Shouldered Eye Bolt
HTKF8Y	Flying Yoke
HTKM10	Wall Brackets (supplied in pairs)
COVF8	Black Padded Cover

Notes

- (1) Measured on-axis in half space at 2 metres, then referred to 1 metre.
- (2) AES Standard ANSI S4.26-1984.
- (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.

architectural and engineering specifications

The loudspeaker system shall be of the two-way passive type consisting of one 8" (200mm) direct radiating reflex loaded low frequency transducer and one 1" (25mm) exit HF compression driver mounted on a user rotatable constant directivity horn in a multi-angled enclosure. The enclosure shall be of a multi-laminate birch ply construction with integral pole mount and threaded inserts for wall and ceiling mounting. Low and high frequency sections shall be integrated by an internal 2.5kHz 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 70Hz-20kHz \pm 3dB.

High frequency dispersion at -6dB points shall be 90°H x 50°V.

Power handling shall be 150W AES, 600W peak.

Rated impedance shall be 8 ohms.

Maximum SPL measured at 1 metre on axis shall be 113dB continuous, 119dB peak.

Dimensions (W) 299mm x (H) 435mm x (D) 269mm (11.8ins x 17.1ins x 10.6ins).

Weight 12kg (26lbs).

The loudspeaker system shall be the Martin Audio F8.

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