



FSX



FEATURES

- Ultra-low frequency high performance system
- Two high efficiency 18 inch cone transducers
- Extended frequency response to 28 Hz
- Kick proof front grille
- Very heavily braced cabinet construction

The Martin **FSX** Sub-Bass System is a dedicated subwoofer designed for special effects and ultra-low frequency enhancement. It is mainly used to augment the extreme low frequency output of Martin VRS and F Series horn loaded systems - particularly when these systems are flown.

The **FSX**, used with a specially configured Martin MX4 crossover with phase combining frequency overlap, is capable of providing a Martin fully horn loaded system with a substantial boost in output from 27-80Hz. The overlap is particularly important as it allows for additive combining of both the **FSX** and the horn loaded bass section for maximum efficiency.

For large scale sound reinforcement use, **FSX** enclosures can be close stacked on the ground whilst the main system is flown.

It can also be used as a stand-alone deep bass system for large nightclubs and other short or medium throw situations.

The **FSX** is a centre-ported design which houses twin high efficiency 18" long excursion drivers for extended ultra-low frequency response. Its internally braced symmetrical construction prevents energy absorption by cabinet walls at the very high pressures generated within the enclosure.

The **FSX** is fitted with four bar handles, four rear wheels and a perforated steel grille and is identical in size to the F2B.

APPLICATIONS

- Dedicated sub-bass system
- Floor stacked bass for flown PA arrays
- Special effects loudspeaker
- Discotheque sub-bass system

HEIGHT	575 mm	22.5 ins
WIDTH	1066 mm	42 ins
DEPTH	925 mm	36.5 ins
NET WEIGHT	87 kg	192 lbs

ARCHITECTURAL AND ENGINEERING SPECIFICATIONS

The loudspeaker shall be a direct radiating, bass reflex loaded sub bass system. It shall be operated with a separate electronic system controller for dedicated sub-bass use.

The system shall consist of two 18" diameter, 4" voice coil, long excursion cone transducers. These shall be loaded in a centre ported symmetrically braced 18mm birch plywood black texture painted enclosure. The transducers shall be protected by a rib supported perforated steel grille. The enclosure shall be fitted with two bar handles at each end, and four heavy duty castors on the rear.

The loudspeaker system combined with the electronic system controller shall meet or exceed the following criteria.

Frequency response measured on axis shall be 28 - 220 Hz +/- 3 dB.

The power handling shall be 600W RMS, 1000W programme. The average sensitivity measured at one metre one watt input in half space conditions, using band limited pink noise shall be 101dB.

The nominal impedance of the enclosure shall be 4 ohms. The recommended crossover points shall be 70 - 220 Hz dependent upon application.

The connectors shall be of the XLR 3 pin type and Speakon NL8MPR type. The dimensions shall be (W) 1066mm x (H) 575mm x (D) 925mm. The weight shall be 87kg.

The loudspeaker system shall be the Martin Audio **FSX**.

SPECIFICATIONS

TYPE	Dedicated ultra low frequency sub-bass system
BANDWIDTH	28Hz - 220Hz +/- 3dB
DRIVER(S)	2 x High efficiency 18" cone transducers
RATED POWER	600W RMS; 1000W Programme
RECOMMENDED AMPLIFIER	700W - 900W RMS into 4 ohms
SENSITIVITY	101dB 1 watt/1 metre Note 1
MAXIMUM SPL	128dB continuous, 134dB Peak Note 2
IMPEDANCE	4 ohms nominal
CROSSOVER	70 - 220 Hz dependent upon application

ENCLOSURE	500 Litre
FINISH	Textured black paint
PROTECTIVE GRILLE	Perforated Steel, black painted with 48% free air flow
CONNECTORS	1 x XLR 3 pin female 1 x NL8MPR Speakon
FITTINGS	Four heavy duty castors, four handles
DIMENSIONS	(W) 1066mm x (H) 575mm x (D) 925mm (W) 42ins x (H) 22.5ins x (D) 36.5ins
WEIGHT	87 kg (192 lbs)
SHIPPING DIMENSIONS	(W) 1076mm x (H) 585mm x (D) 935mm (W) 42.5ins x (H) 23ins x (D) 37ins
SHIPPING WEIGHT	95 kg (209 lbs)

NOTES

1. Measured in half-space conditions at 1 metre with 2.00V input, using band limited pink noise.
2. Measured at 1 metre using band limited pink noise.

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 the state of the art of sound reinforcement by combining in-depth product and field application research with advanced manufacturing techniques. Every Martin product is built to the highest manufacturing standards and rigorously tested to ensure that it meets the performance criteria specified in the design.



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