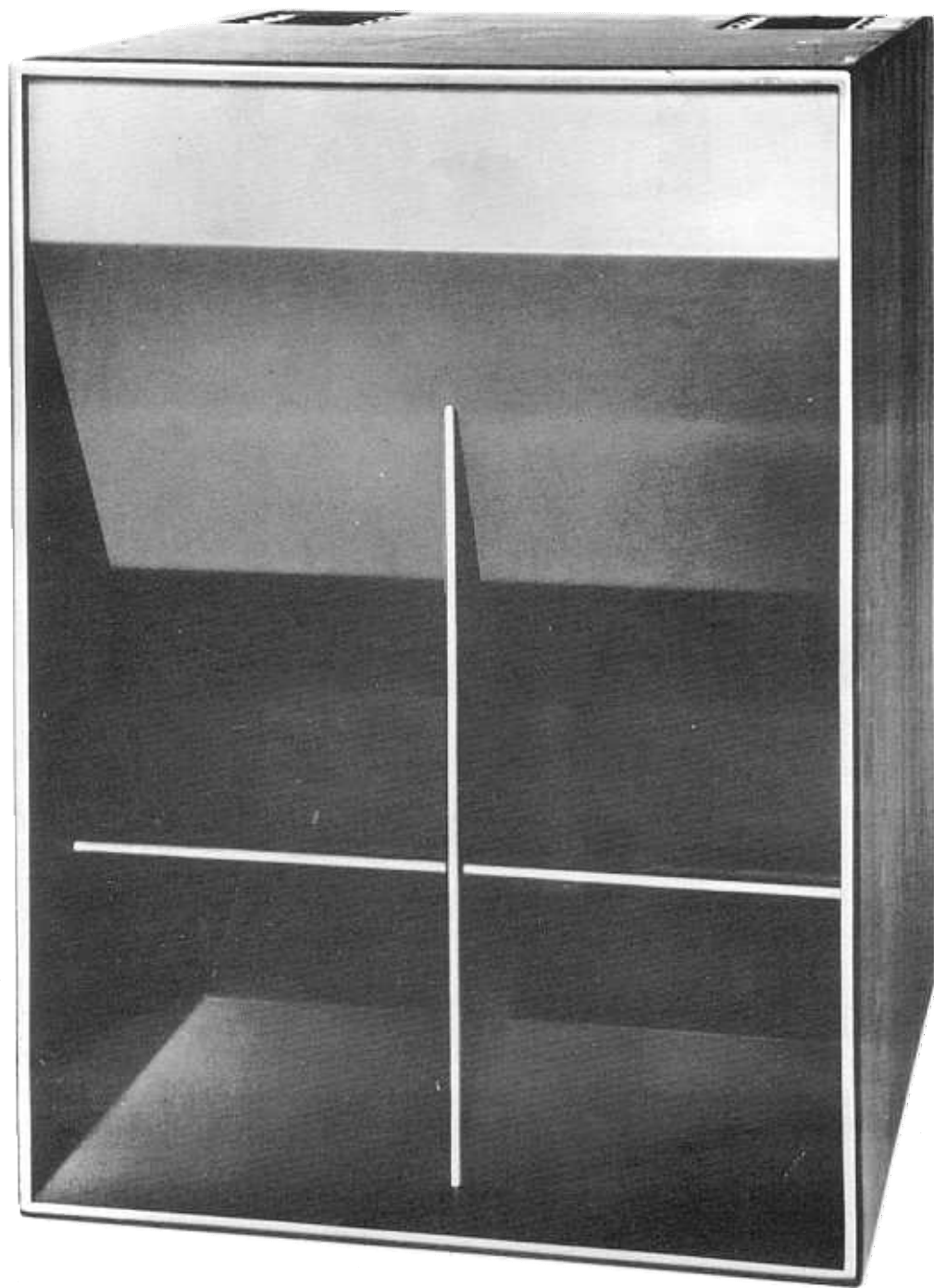


MARTIN AUDIO
LONDON

"S" BIN

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'S' BIN

The 'S' Bin is a compact folded bass horn having a modified hyperbolic flare expansion and is specifically designed to reproduce very deep bass frequencies at greater efficiency than any other known type of bass bin. The precise flare expansion was derived from several prototypes and this in conjunction with careful folding ensures unusually high efficiency in the lowest octaves, with particularly good control of cone excursion.

Consequently, very high driver power handling is possible, as will be seen from the specifications. Tests have shown that no audible driver distress is apparent when a sine wave input of 40 volts RMS (200 watts per driver) is swept from 20Hz - 100Hz, indicating that substantially higher power handling is available on programme material.

Optimum mouth area is formed by a close coupled stack of 4 'S' bins. In this configuration, heavy bass can be generated in the 25-50Hz octave. Even more performance results from stacking mirror image pairs up to 6 high, forming a line source horn which will focus the bass into the audience.

The modular stacking concept of the 'S' bin provides, for any number in use, the finest extreme low end of any bass horn in the world, on an equal occupied volume comparison.

APPLICATIONS. For live music use where high level deep bass is required. Line source bass arrays for outdoor and large indoor venues. Superb for discotheque use, where its sonic performance far exceeds that of ported direct radiator enclosures. It is absolutely unnecessary to use an additional "sub bass" bin (although the 'S' bin may be used as such to augment an existing system).

For portable use, we manufacture the S1 which is an S2 split down the middle. Dimensions of S1 and S2 have been chosen to fit both American and European articulated lorries. Single driver, half the power of S2, otherwise identical performance.

SPECIFICATION - S2

Type	modified hyperbolic bass horn
Horn	folded, path length 2.1metres (7ft)
Frequency Range	28 - 500Hz
Recommended Crossover Region	200Hz - 250Hz
Drivers	2 38cm (15") long excursion
Recommended Drivers	2 Martin L1540
Impedance	4 ohms nominal (2x8 ohm rated drivers)
Power Handling (using Martin L1540 15" rated at 500 W programme each)..	(a) 500 W programme 20Hz - 250Hz (b) 750 W programme, high pass filter set to 30Hz (c) 1000 W programme, high pass filter set to 38Hz
Sensitivity	105dB at 1 W 1 metre averaged with pink noise 40Hz - 250Hz bandwidth
Connector	XLR 3 pin female
Dimensions - bin vertical (WxHxD) ..	84cmx113cmx91cm (33"x44.5"x35.8") (add 12.7cm (5") to depth for 10cm castors
Weight	unloaded 105Kg (231 lbs) with Martin L1540 130Kg (287 lbs)

SPECIFICATION - S1

Dimensions - bin vertical (WxHxD) ..	113cmx43.5cmx103.5cm (44.5"x17"x40.75")
Weight	unloaded 66Kg (145.5 lbs) with Martin L1540 78.2Kg (172.5 lbs) with Martin L1530 75.7Kg (167 lbs)