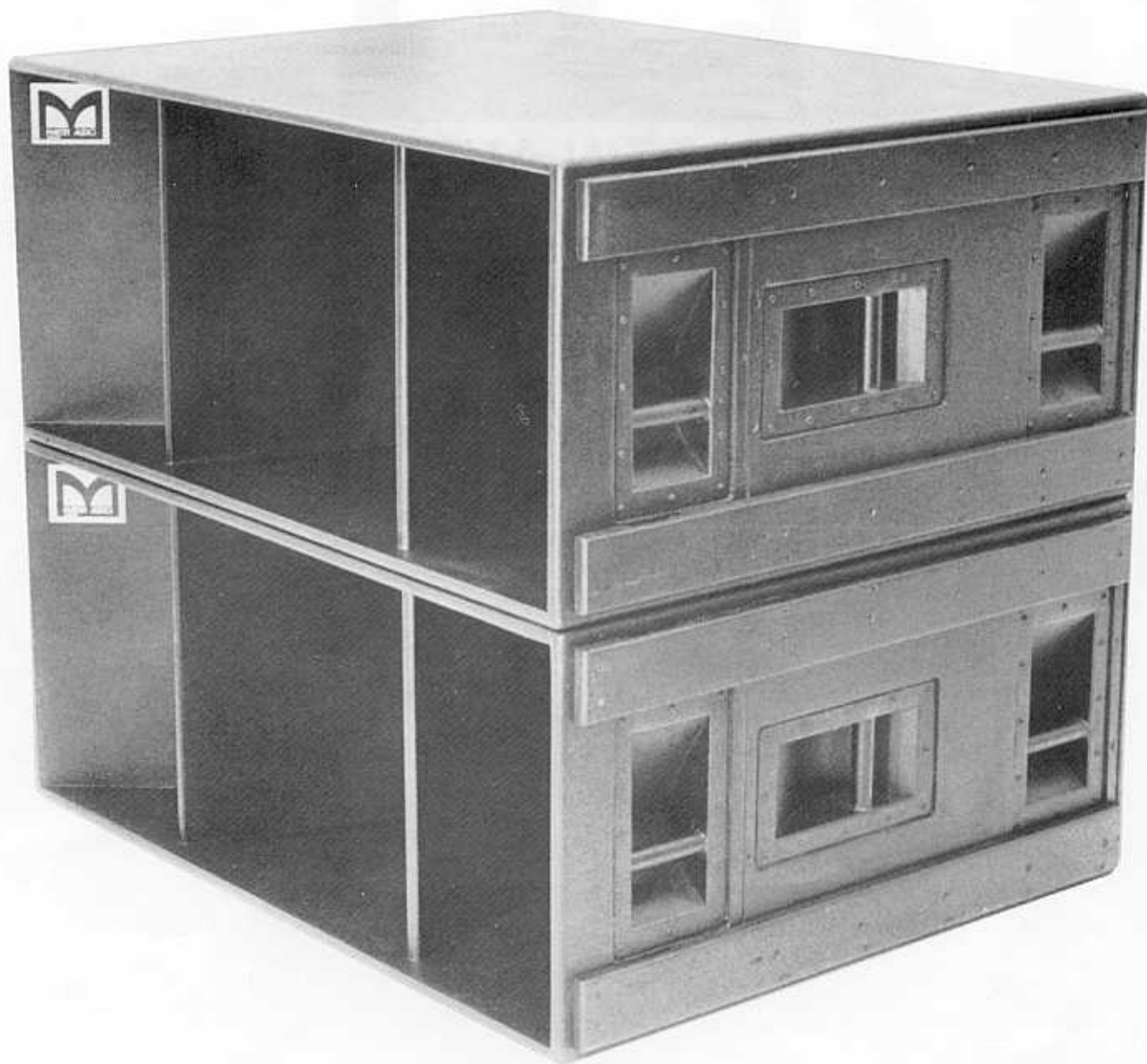


MARTIN AUDIO
LONDON

215 MK III BASS HORN

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215 MKIII BASS BIN

The 215 MKIII is a dual driver folded horn designed to maximise low frequency output for a given occupied volume. Over the range 40Hz - 250Hz it has typically 2 - 4dB greater output than its predecessor, the 215 MKII, due to its modified hyperbolic flare expansion. The bass drivers are under particularly high loading to reduce cone excursion and allow unusually high power inputs. Tests have shown that no audible driver distress is apparent when sine wave input of 40 volts RMS (200 watts per driver) is swept from 30Hz - 100Hz indicating that substantially higher power is available on programme material.

The high efficiency and compact size of the 215 MKIII allows construction of the most powerful bass stack in a given volume that is currently available. The 215 MKIII is fully compatible with the 215 MKI, 115 and 215 MKII bass bins. With the 215 MKII path length difference is approximately 35cm (14") or $\frac{1}{4}$ wavelength at 250Hz, not sufficient to cause problems. When combining these two, it is recommended where possible to position the 215 MKII in the centre of the stack.

SPECIFICATION

Type	modified hyperbolic folded bass horn
Frequency Range	35 - 500Hz
Recommended Crossover Frequency ...	250Hz
Drivers	2 38cm (15") long excursion
Recommended Drivers	Martin L1540
Impedance	4 ohms (assumes use of 2x8 ohm rated drivers)
Power Handling (using 2 Martin L1540 drivers rated at 500 W programme each)	(a) 500 watts programme 20Hz-250Hz (b) 750 watts programme, high pass filter set to 30Hz (c) 1000 watts programme, high pass filter set to 40Hz
Sensitivity (measured half space, 2 stacked bins)	107dB at 1 W, 1 M averaged 60-250Hz
Connectors	2 XLR type 3 pin
Dimensions (WxHxD)	111cmx49cmx91cm (44"x19"x36") (with 100mm castors, add 12.7cm (5") to D)
Weight	unloaded 78Kg (172lbs) loaded Martin L1540 102.4Kg (226lbs)