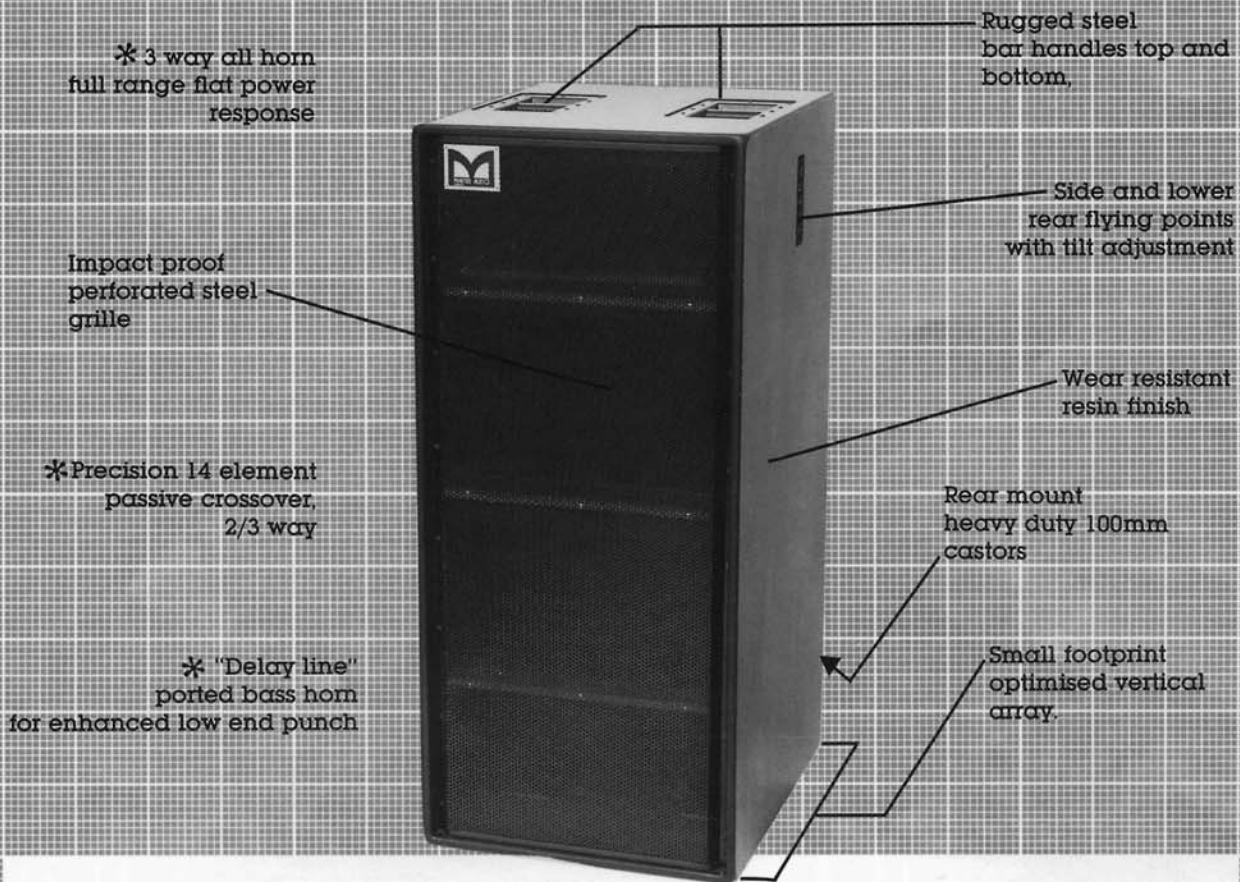


VRS 800 Full Range Horn Loaded Sound Reinforcement System



The VRS800 is a vertically formatted version of the RS800, specifically for the many applications and installations requiring a high output for a system occupying a minimum of floor space or width. The use of identical components makes it totally compatible with the RS800.

Full exploitation of the directional control provided by the "high Q" horizontal constant directivity (HCD) mid and high horns in a vertical cabinet makes it a stunning performer in short to medium throw applications: it is highly recommended as an all purpose on stage monitor, discotheque system or live P.A. cabinet.

Vertical format designs require a bass horn of notably small dimensions: a unique concept developed by **Martin** enables this horn to exceed all previously known parameters. The whole of the internal enclosure volume is configured as a delay line, terminated by a triple exit port: rear radiation is combined in phase with horn radiation. The resultant efficiency gain extends over one octave, with a maximum gain of 5dB.

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Hand Crafted Systems for the Professional user

SPECIFICATIONS - VRS800

System:	3 way, full horn loaded, in line vertical format
Bass Horn:	modified hyperbolic, ported phase additive delay line
Mid Horn:	proprietary horizontal constant directivity (HCD) design 75° coverage
High Horn:	HCD design, high forward gain, 75° horizontal x 35° vertical
Bass Driver:	46cm (18") 6 ohms, 10cm (4") coil, 300 W continuous; 600 W programme power
Mid Driver:	30cm (12") 10 ohms 7.5cm (3") coil, 150 W continuous; 300 W programme power
1 High Driver:	1" exit titanium diaphragm: 50 W continuous, 100 W programme input impedance 20 ohms (triamp mode)
2 System Bandwidth:	35Hz - 20KHz
System Rated Dispersion:	75° horizontal x 35° vertical
System Rated Power:	1000 watts programme (triamp mode)
System Sensitivity:	106dB 1 W, 1 m (average of 3 bands)
Crossover:	14 element, high level passive, switchable biamp/triamp, phase aligns mid and high in passive mode, rear mounted changeover switch
Crossover Frequencies:	Biamp Mode: 200Hz 24dB/octave. (Mid-High 1.5KHz passive) Triamp Mode: 200Hz 1.5KHz 24dB/octave. (900Hz hi pass protects HF driver).
Connectors:	3 x 3 pin XLR
Flying:	2 x 15.2cm (6") attachment points on sides, one at rear, adjustable for tilt, accepts Brownline 22555 series fittings
Compatibility:	Sonic and crossover compatible with RS1200, RS800 but requires different rigging system
Cabinet:	18mm finest grade multi layer WPB Finnish birch, rebated, slot routed, glued, assemble with multiple 45mm twin thread hardened screws
Paint Finish:	proprietary resin base semi matt black
Grille:	impact proof perforated steel mesh
Transport:	4 x recessed steel bar handles, 4 x rear mounted wheels (detachable for permanent installation)
Options:	sub bass: one Martin BSX matches two VRS800
Dimensions (WxHxD):	57cm x 129cm x 68.5cm (add 12.5cm for swivel/castors) 22.5" x 51" x 26" (add 5" for swivel castors)
Shipping Dimensions:	59cm x 131cm x 82cm (includes castors) (23.2" x 51.6" x 32.3")
Weight:	104Kg (229lbs)
Shipping Weight:	109.3Kg (241lbs)

1. HF driver is "power dump" impedance compensated, auto transformer matched, and is to be driven by an amp equal to and not less than -3dB of the mid amp power.
2. For an insight into published system parameters, see supplementary information.

E. & O. E. Specifications subject to Change without notice. Provisional-Jan 1986.

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