

## MLA Compact Specifications & Dimensions

### Acoustical

TYPE	Three-way cellular drive, active array element
FREQUENCY RESPONSE (1)	65Hz-18kHz $\pm$ 3dB
MAXIMUM SPL @ 1m	LF: 129dB continuous, 135dB peak (3) MF: 129dB continuous, 135dB peak (4) HF: 129dB continuous, 135dB peak (4)

### Drivers

LF	2 x 10" (250mm)/2.5" (63mm) voice coil, long excursion, vented pole, neodymium magnet drivers, Hybrid <sup>®</sup> slot-horn loaded
MF	2 x 5" (125mm)/1.5" (38mm) coil, neodymium magnet drivers, horn loaded
HF	4 x 0.7" (19mm) exit neodymium magnet compression drivers, horn loaded

### Rated Power (2)

LF	500W AES, 2000W peak
MF	180W AES, 720W peak
HF	40W AES, 160W peak

### Dispersion

(-6dB)	100° horizontal
(-10dB)	130° horizontal 10° vertical

### Crossover Frequencies

400Hz	8th-order Linkwitz-Riley
4.25kHz	Vanishing Point <sup>™</sup> FIR filters

### Audio input

CONNECTORS	Female XLR input, male XLR link output
ANALOGUE INPUT IMPEDANCE	20k $\Omega$ balanced to ground
MAXIMUM ANALOGUE INPUT LEVEL	6.15Vrms (+18dBu), over voltage protected
NOMINAL SYSTEM GAIN	22dB
AES/EBU IMPEDANCE	110Ohms balanced, Receive and transmit termination

### Network

CONNECTORS	2x IP68 rated 8-way, quick-release type
PROTOCOL	U-NET

### Amplifier Module

TYPE	Five channel Class D, fixed frequency
PEAK OUTPUT POWER	4200W
AVERAGE EFFICIENCY	78%
COOLING	2 x temperature controlled internal fans 1 x temperature controlled external fan

MAXIMUM AMBIENT TEMPERATURE 45°C (113°F) for full output

### Power Supply

TYPE	Switch mode, fixed frequency with PFC
AC INPUT OPERATING RANGE	100 – 240V ~ AC, 50 - 60Hz
AC OVERVOLTAGE TOLERANCE	400V AC
POWER FACTOR	> 0.95
NOMINAL POWER CONSUMPTION	600W

MAINS CONNECTOR 16A IEC309 (Ceeform) – IP44 rated  
(IP67 when mated with mains distribution equipment  
supplied with system)

**General**

ENCLOSURE Vertical trapezoid with 5° wall angle,  
multi-laminate birch and poplar-ply construction

FINISH Textured black PU coating

PROTECTIVE GRILLE Black HEX perforated steel

FITTINGS Proprietary rigging system  
Bar handles on each side  
Protective rubber side-cheeks incorporating skirts  
Weather protection cowl

IP RATING IP 25

DIMENSIONS (W) 788mm x (H) 280mm x (D) 500mm  
(W) 31in x (H) 11in x (D) 19.7in

WEIGHT 49.5kg (109lbs)

**Accessories**

Flightcase for two enclosures  
Flying frame (including clinometer)  
Ground stacking bar  
Flying Pin  
Mains distribution system  
Tour-grade network interconnects  
Merlin Controller/U-NET Hub

Notes

- (1) Measured on-axis in open ( $4\pi$ ) space at 4 metres, then referred to 1 metre.
- (2) AES Standard ANSI S4.26-1984.
- (3) Measured in half-space at 6 metres, then referred back to 1m.
- (4) Calculated from 4m 2.83v sensitivity, referred to 1m.

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