

MSX

15" Subwoofer for MLA Mini



Technical Specifications

Acoustical

TYPE	15" reflex loaded subwoofer
FREQUENCY RESPONSE (1)	50Hz-150Hz $\pm$ 3dB -10dB @ 42Hz
MAXIMUM SPL @ 1m	133dB continuous, 136dB peak (3)
Driver	1 x 15" (380mm)/4" (100mm) voice coil, ultra-long excursion, high efficiency ferrite magnet

Rated Power (2)

800W AES, 3200W peak

MSX Dispersion

Omnidirectional. Cardioid arrays possible, using multiple MSX enclosures

Audio input

CONNECTORS	Female XLR input, male XLR link output
ANALOGUE INPUT IMPEDANCE	20k Ω balanced to ground
MAXIMUM ANALOGUE INPUT LEVEL	6.15Vrms (+18dBu), over voltage protected
AES/EBU IMPEDANCE	110 Ohms balanced, receive and transmit termination
Internal Processing	Multi-channel DSP, programmable via network 10 PEQ/shelving filters per channel Up to 48dB/Oct HPF and LPF FIR filtering on MLA Mini channels Up to 1 second of delay Limiters with amplifier output current monitoring

Network

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

Amplifier Module

TYPE	9 channel switch-mode, class D
PEAK OUTPUT POWER	7000W total 1400W MSX (or alternative 4 Ohm subwoofer) 700W MLA Mini LF x 4 700W MLA Mini HF x 4
CONNECTORS	2 x NL8 outputs to MLA Mini x 4
AVERAGE EFFICIENCY	85%
COOLING	2 x temperature controlled internal fans 1 x low-speed internal blower 2 x temperature controlled external fans
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	900W
MAINS CONNECTOR	Neutrik® Powercon True1

General

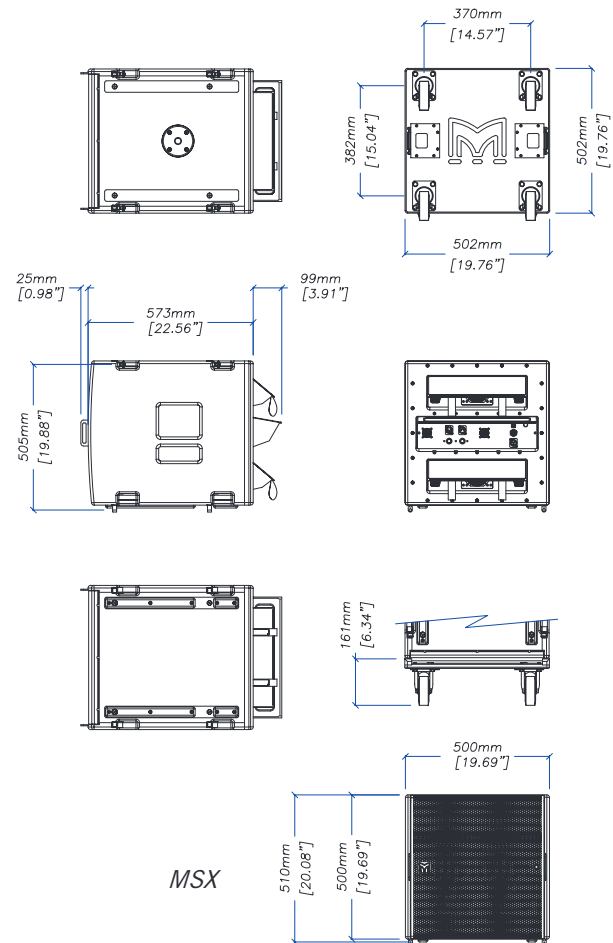
ENCLOSURE	Extensively braced multi-laminate birch-ply
FINISH	Textured black PU coating
PROTECTIVE GRILLE	Black HEX perforated steel

FITTINGS	Two skids on base, with mating channels on top M20 top-mounted thread plate for MLA Mini pole Integral flyware for suspension of up to 4 MSX Large bar handle on each side Two front-mounted latch plates for wheelboard Optional weather protection cowl
IP RATING	Indoor (without weather protection cowl) IP 25 (with weather protection cowl)

DIMENSIONS	(W) 500mm x (H) 510mm x (D) 575mm (675mm with vent flap open) (W) 19.7in x (H) 20.1in x (D) 22.6in (26.6in)
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WEIGHT	58kg (128lbs) 65kg (143lbs) inc wheelboard
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ACCESSORIES	Flying pin Ground stack bars Ground stack base plate Mains distribution system Tour-grade network interconnects Merlin Controller/U-NET Hub
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Notes

- (1) Measured on-axis on ground plane (2p space) at 2 metres, then referred to 1 metre.
- (2) AES Standard ANSI S4.26-1984.
- (3) Measured in half-space at 1 metre with a tone burst signal.