

XP118

Compact Self-Powered Subwoofer



Features

- Compact, self-powered subwoofer
- 1 x 18" (460mm) driver with 4" (100mm) voice coil
- 2000W of Class D amplification
- Global power supply with PFC (Power Factor Correction)
- Onboard DSP with rotary control interface
- Multi-function display for metering, control and function selection
- Peak and RMS limiters
- Bluetooth® control and streaming option
- Durable plywood enclosure
- Perforated steel grille
- Integral ergonomic handles
- 35mm pole-mount socket

Applications

- Portable sound reinforcement
- Live music clubs
- Nightclubs, bars and restaurants
- Corporate AV, hotels and casinos
- Mobile DJ's
- Weddings and parties
- HoW installations
- Rehearsal studios



The XP118 is a compact, high performance subwoofer for indoor use with the XP12 and XP15 full-range loudspeakers. It extends the low frequency operating range of the combined system down to 42Hz and can be used singly, stacked or flown via integral M10 insets. It features a long-excursion 18" (460mm)/4" (100mm) voice coil driver in a compact enclosure that has four reflex ports with a large frontal area to reduce turbulent air noise at very high levels.

A convection-cooled Class D amplifier module delivers 2000W peak output to the driver for maximum low frequency extension and chest-thumping punch. Crossover, EQ, metering and

control functions are provided by onboard DSP via a rotary encoder interface and multi-function colour screen on the rear panel.

The XP118 enclosure is built for the road, constructed from durable plywood and finished in textured black paint. A perforated steel grille protects the driver, and the enclosure has a 35mm pole-mount socket in the top surface and two ergonomic side handles.



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Technical Specifications

Acoustics

TYPE	Compact, direct radiating powered subwoofer
FREQUENCY RESPONSE (1)	42Hz -150Hz ±3dB -10dB @ 38Hz
DRIVER	18" (460mm)/4" (100mm) voice coil, long excursion, ferrite magnet
MAXIMUM SPL(9)	131dB continuous / 137dB peak (half space)
DISPERSION	Omnidirectional
CROSSOVER	100Hz, active

Module

Audio In/Out

INPUT CONNECTORS	2 x female XLR/ ¼" jack combo
MIC/LINE INPUT IMPEDANCE	8 kΩ balanced
¼" JACK TS INPUT IMPEDANCE	1 MΩ unbalanced
MIX OUTPUT CONNECTOR	1 x male XLR
MIX OUTPUT IMPEDANCE	600Ω balanced

Internal Processing

Input channel EQ	3 band
Speaker EQ	2 presets: XP118 with XP12, XP118 with XP15
Protection	Peak and RMS limiting, amplifier thermal protection

Amplifier Module

TYPE	Class D, Bridged Tied
PEAK OUTPUT POWER	2000W total
AVERAGE EFFICIENCY	89%
COOLING	Convection
MAXIMUM AMBIENT TEMPERATURE	35°C (95°F) for full output

Power Supply

TYPE	Switch-mode, fixed frequency with PFC
AC INPUT OPERATING RANGE	100 – 240V ~ AC, 50 - 60Hz
POWER FACTOR	> 0.98
NOMINAL POWER CONSUMPTION	1000W Max
MAINS CONNECTOR	3-pin IEC

Mechanical

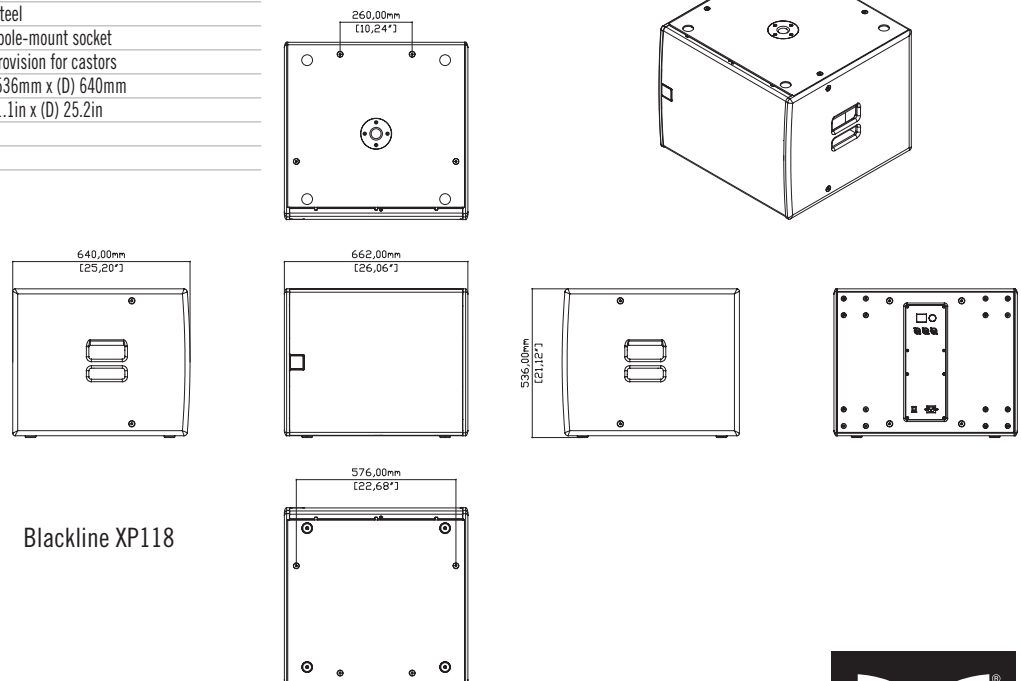
ENCLOSURE	Birch/poplar ply
FINISH	Black textured paint
PROTECTIVE GRILLE	Black perforated steel
FITTINGS	16 x M10 inserts, pole-mount socket 2 x bar handles, provision for castors
DIMENSIONS	(W) 662mm x (H) 536mm x (D) 640mm (W) 26.1in x (H) 21.1in x (D) 25.2in
WEIGHT	44kg (97lbs)
ACCESSORIES	Eyebolts, castors

Notes

- (1) Measured on-axis in half (2pi) space at 2 metres, then referred to 1 metre.
- (2) AES Standard ANSI S4.26-1984.
- (3) Measured in half (2pi) space at 2 metres with 1 watt input, using band limited pink noise, then referred to 1 metre.
- (4) Measured in half (2pi) space at 2 metres using band limited pink noise, then referred to 1 metre.
- (5) Measured on-axis in open (4pi) space at 2 metres, then referred to 1 metre.
- (6) Measured in open (4pi) space at 2 metres with 1 watt input, using band limited pink noise, then referred to 1 metre.
- (7) Measured in open (4pi) space at 2 metres using band limited pink noise, then referred to 1 metre.
- (8) Measured in open (4pi) space at 2 metres with 2.83v input, using band limited pink noise, then referred to 1 metre.
- (9) Calculated at 1 metre.
- (10) Measured in half (2pi) space at 2 metres with 2.83V input, using band limited pink noise.

Trade Descriptions Act

Due to Martin Audio's policy of continuing improvement, we reserve the right to alter these specifications without prior notice. Martin Audio is committed to refining state of the art sound reinforcement, combining in-depth product and field applications research with advanced manufacturing techniques. Every Martin Audio product is built to the highest manufacturing standards and rigorously tested to ensure that it meets the performance criteria specified in the design.



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