

PI118

Compact, Direct Radiating Subwoofer

P.I.

Features

- Compact, direct radiating subwoofer
- 18" (460mm)/4" (100mm) voice coil, long excursion
- High output capability
- Plywood enclosure with flying inserts

Applications

- Live sound reinforcement and portable systems
- Stage monitors and sidefills
- Theatre sound
- Corporate AV events
- Fixed installations in Government, Education, Museums, Hotels and hospitality



The PI118 is a compact, high performance subwoofer for indoor use with P.I Series full-range loudspeakers.

It extends the low frequency operating range of the combined system down to 42Hz and can be used singly, stacked in omni or cardioid mode, or flown via integral M10 insets. It features a long-excursion 18" (460mm)/4" (100 mm) 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.

The PI118 enclosure is constructed from durable plywood and finished in textured black paint. A perforated steel grille protects the driver, and the enclosure two ergonomic side handles.

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Technical Specifications

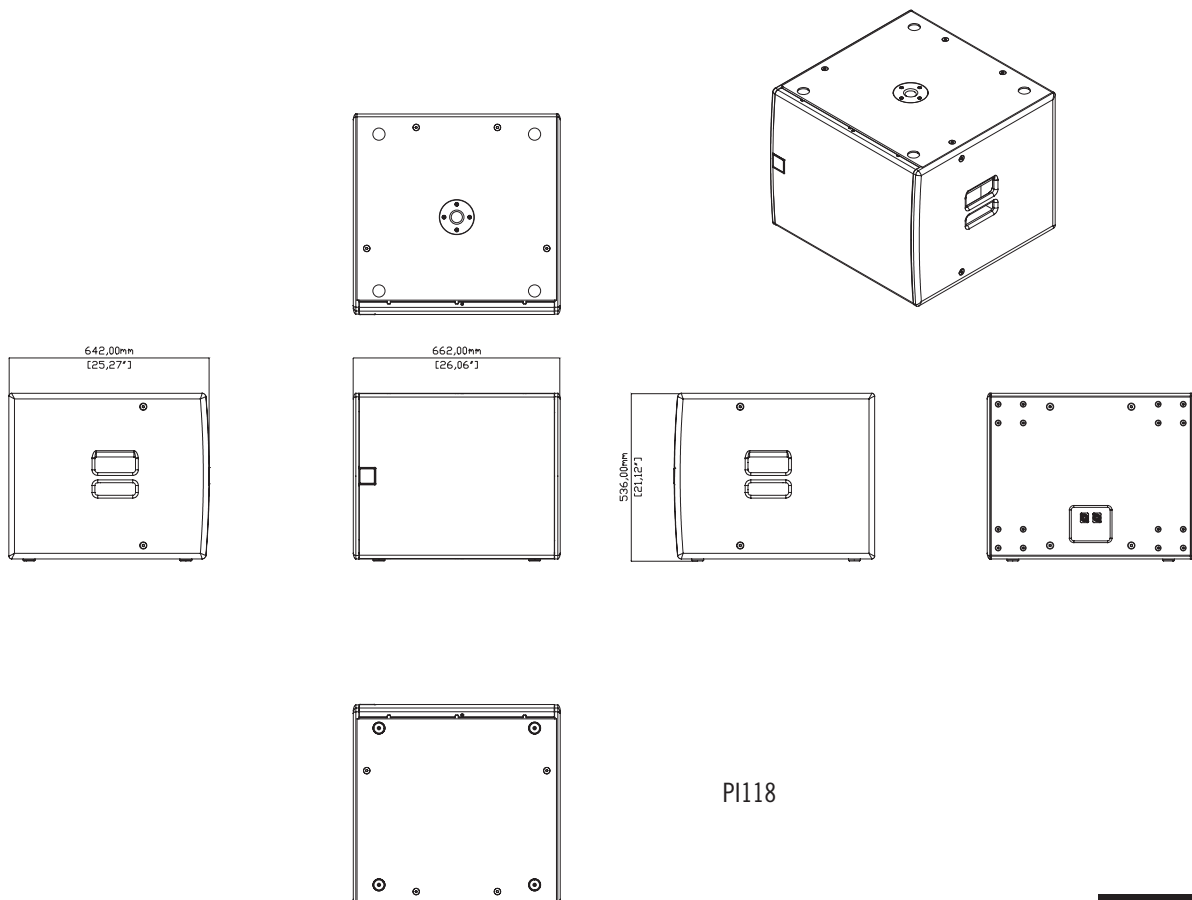
TYPE	Compact, direct radiating subwoofer
DRIVER COMPLIMENT	18" (460mm) /4" (100mm) voice coil, long excursion, ferrite magnet
DISPERSION	Omnidirectional
MAX SPL	135dB
CONT SPL	129dB
FREQUENCY RESPONSE (1)	+/- 3dB, 42Hz-200Hz
FREQUENCY (1)	- 10dB, 33Hz
SENSITIVITY (10)	100dB per. 2.83V
CROSSOVER	80 - 120Hz active
RATED POWER (2) AES	800W
RECOMMENDED AMPLIFIER	VIA5002 or VIA5004
POWER HANDLING (2) PEAK	3200W
NOMINAL IMPEDANCE	8Ω
CONNECTORS	2 x NL4 type
PIN CONNECTIONS (INPUT)	1+ / 1- INPUT, 2+ /2- N/C
PIN CONNECTIONS (LINK)	1+ / 1- LINK ; 2+ /2- N/C
FITTINGS	16x M10, provision for castors, Pole mount socket
HANDLE TYPE	2 x Bar
DIMENSIONS (H x W x D)	537mm x 662mm x 640mm (incl feet)
WEIGHT (MAX)	40.65kg (89.62lbs)

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, then referred to 1 metre.

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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