

ALF80

High Performance Discreet Subwoofer

DATASHEET V2.4

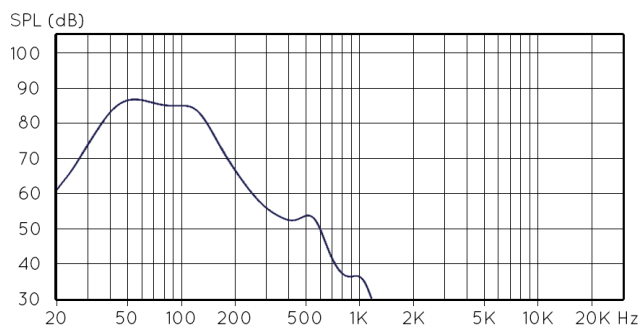
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Product Description

Utilising a unique adjustable ported design, the ALF80 Subwoofer easily blends into any room environment by mounting within walls, ceilings, cabinets or other joinery with minimal visual impact.

Measuring just 605mm x 270mm x 156mm (23^{7/8}" x 10^{5/8}" x 6^{1/8}") and weighing just 9.2Kg (20^{6/25}lbs), this passive 150W subwoofer can deliver 103dB SPL/ 1m down to 36 Hz making the ALF80 the perfect discreet subwoofer for music and media rooms.

The ALF80 is designed to be connected directly to a dedicated full range amplifier output. No additional filtering is required when used in conjunction with Amina Invisible Loudspeakers. Parallel connection with a single Amina Invisible loudspeaker is also possible.



Specifications

Nominal impedance	4 Ohms
Power handling continuous	150W
Sensitivity	86dB @ 1m/2.83Vrms (half space)
Frequency response	36Hz - 140Hz (+/- 6db) 18dB/octave band-pass
Max SPL	103dB @ 1m (half space)
Electrical connection	Sprung binding-post
Dimensions	605mm x 270mm x 156mm (23 ^{7/8} " x 10 ^{5/8} " x 6 ^{1/8} ")
Product weight	9.2Kg (20lbs 4 ^{1/2} oz)
Port locations	Side, end or front-firing port locations with 110mm length adjustment, Supplied with 2 x blanking-plates to be fitted to un-used ports.
Port Diameter ID / OD	50.8mm (2") / 55.8mm (2 ^{3/16} ")



Mounting Options

ALF80 may be installed either in wall/ceiling cavities where there is a minimum 158mm depth. Metal mounting brackets are supplied to allow subwoofer to be secured straight to studs or joists. The adjustable port tube requires a hole to be cut in the plasterboard, allowing it to vent straight into the room rather than into the cavity.

ALF80 may also be installed into cabinetry, behind kickboards, under furniture or even in-room. Option of 3 port locations which can be adjusted to ensure all energy is vented into the room and not the containing structure. Port should never be modified, extended, bent or blocked as this will affect performance.

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Amina Technologies Limited

Cirrus House, Glebe Road, Huntingdon, Cambridgeshire, PE29 7DL, England

T: +44 (0) 1480 354390 | E: info@aminasound.com | W: www.aminasound.com