

ALF80

High Performance Discrete Subwoofer Product Data Sheet



Applications:

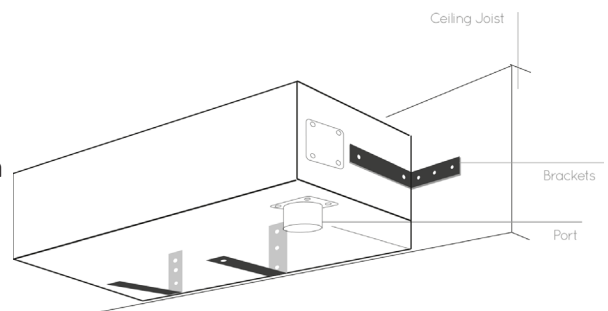
Utilising a unique adjustable ported design, the ALF80 Subwoofer easily blends into any room environment by mounting within walls, ceilings, cabinets or other joinery. This creates minimal to zero visual impact.

Measuring just 605mm x 270mm x 156mm ($23\frac{4}{5}'' \times 10\frac{3}{5}'' \times 6\frac{1}{10}''$) and weighing less than 9.2Kg ($20\frac{6}{25}$ lbs), this passive 150watt subwoofer can deliver 108dB SPL/ 1m with frequency response down to 36 Hz making the ALF80 the perfect discrete subwoofer for home cinema and other high performance applications.

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.

Ceiling joist mounting:

The brackets supplied can be used to fit the ALF80 to a ceiling joist. The port protrudes from the cabinet, this allows it to then protrude through a suitable hole cut in the plasterboard ceiling layer.



Kickboard Mounting:

The brackets supplied can be used to fix the ALF80 to a kickboard under kitchen units or other cabinetry. The port protrudes through a suitable hole cut in the kickboard.

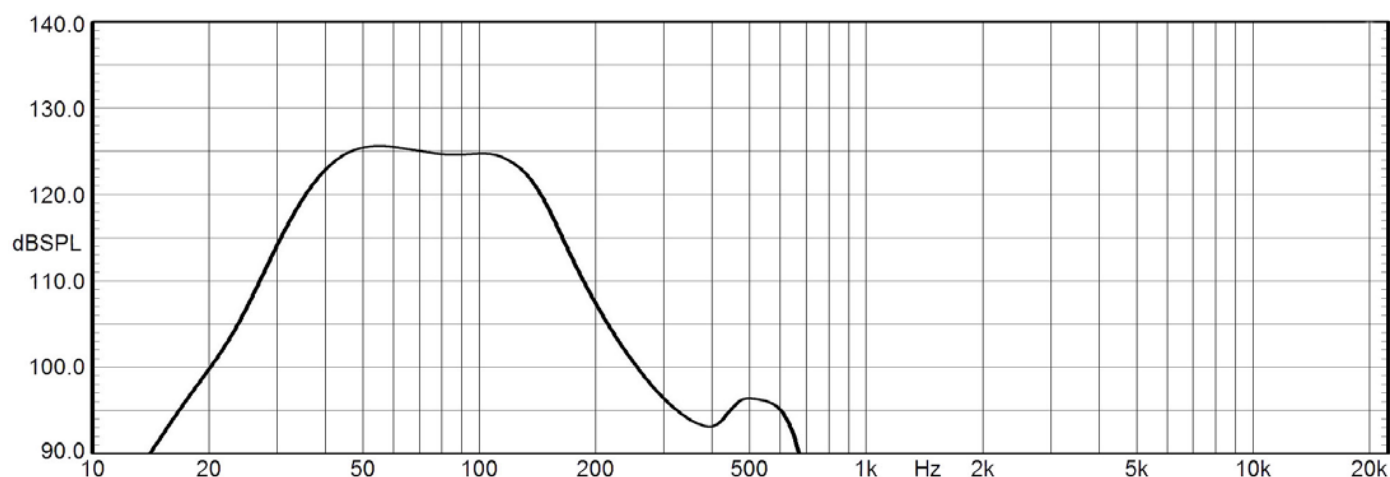
Mounting in a void behind a stud wall or within joinery:

The brackets supplied can be used to fix the ALF80 to the rear of a stud wall, in a non living area void. The adjustable port tube is long enough to extend all the way through a suitable hole made in the stud wall. Similarly, the ALF80 can be mounted within joinery such that the port tube exits discretely into the room.

Adjustable port design:

The ALF80 features a unique port system allowing for greater flexibility when positioning and concealing the product. The port can be extended out of the ALF80 by up to 110mm.

There are two optional positions on the ALF80 for the port. An aluminium plate (port side) and a rubber o-ring provide an air tight seal around the port. A similar blanking plate is used to cover and seal the unused port hole.



Specifications

ALF80

Nominal impedance	4 Ohms
Power handling (continuous/ peak)	150W continuous
Frequency response	36Hz - 140Hz (+/-6db) 18dB/ octave band-pass
Efficiency	86dB @ 1m/ 2.83Vrms (half space)
Max SPL	108dB @ 1m (half space)
Dimensions	605mm x 270mm x 156mm (23 ^{4/5} " x 10 ^{3/5} " x 6 ^{1/10} ")
Product weight	9.2Kg (20 ^{6/25} lbs)
Design	Ported, acoustic band-pass with built-in protection circuit
Port location	Front or side convertible, length adjustable
Port diameter I.D/ O.D	50.5mm (2") / 55.5mm (2 ^{1/5} ")
Hole cut-out for port trim	48mm (1 ^{7/8} ")
Connection	3- way binding post (4mm plug, spade or bare wire)

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