

ALF40

High Performance
Discrete Bass Enhancer
Product Data Sheet



Applications:

Utilising a unique adjustable ported design, the ALF40 Bass Enhancer easily blends into any room environment by mounting within walls, ceilings, cabinets or other joinery. This creates minimal to zero visual impact.

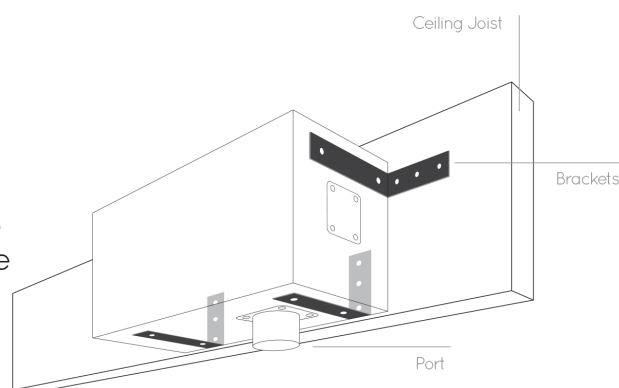
Measuring just 358mm x 159mm x 134mm (14¹/₅" x 5¹/₃" x 6¹/₃") and weighing less than 3Kg (7lbs), this passive 40watt subwoofer can deliver 103dB SPL/ 1m with frequency response down to 60 Hz making the ALF40 the perfect hidden bass enhancer for low to mid-power applications.

The ALF40 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 iQ or Evolution Series loudspeaker is also possible.

Ceiling joist mounting:

The illustration shows how the bracket supplied can be used to fix the ALF40 to a ceiling joist.

Notice the port protrudes from the cabinet - this allows it to then protrude through a suitable hole cut in the plasterboard ceiling layer.



Port Trim:



The supplied Port Trim can be used to improve the appearance of the port when, for example, the ALF40 is installed behind a plasterboard ceiling. It is designed to fit up to 5mm over the end of the protruding port. Alternatively a GU10 light trim can be used to cover the port.

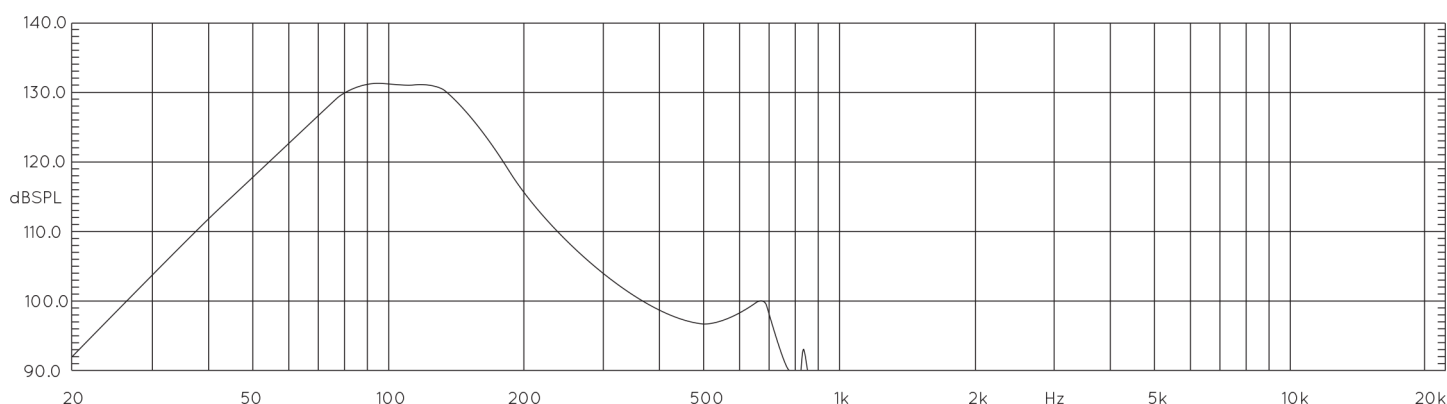
Adjustable port design:

The ALF40 features a unique port system allowing for greater flexibility when positioning and concealing the product. The port can be extended out of the ALF40 by up to 80mm.

There are two optional positions on the ALF40 for the port. An aluminium plate (port plate) 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.



On Axis Frequency Response @ 2.83Vrms (microphone positioned at port mouth)



Specifications

ALF40

Nominal impedance	8 Ohms
Power handling (continuous/ peak)	40W continuous
Frequency response	60Hz - 150Hz (+/-6db) 18dB/ octave band-pass
Efficiency	88dB @ 1m/ 2.83Vrms (half space)
Max SPL	103dB @ 1m (half space)
Dimensions	358mm x 159mm x 134mm (14 ^{1/5} " x 5 ^{1/3} " x 6 ^{1/3} ")
Product weight	3.02Kg (6.66lbs)
Design	Ported, acoustic band-pass with built-in protection circuit
Port location	Front or side convertible, length adjustable
Port diameter I.D/ O.D	39mm (1 ^{11/20} ") / 43mm (7 ¹⁰ ")
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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