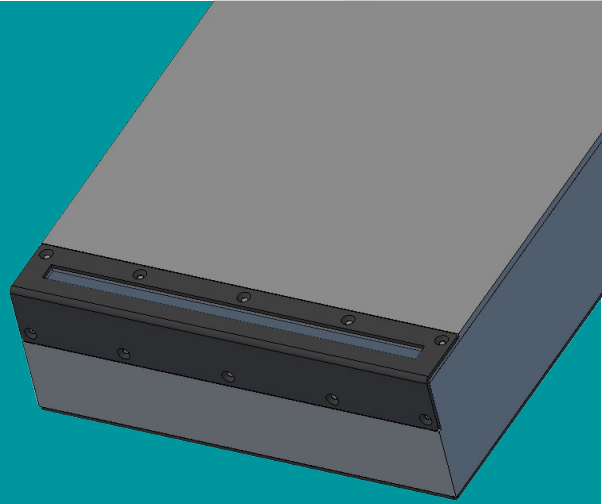


# ALF120



## High Performance Discrete Subwoofer Product Data Sheet

### Applications:

The ALF120 subwoofer uses a unique Distributed Transmission Line bass loading technique to produce deep and loud low frequencies from a slim, in wall enclosure. The ALF120 has been developed specifically for use in discreet, high performance, stereo and multi-channel cinema systems.

The design goals were:-

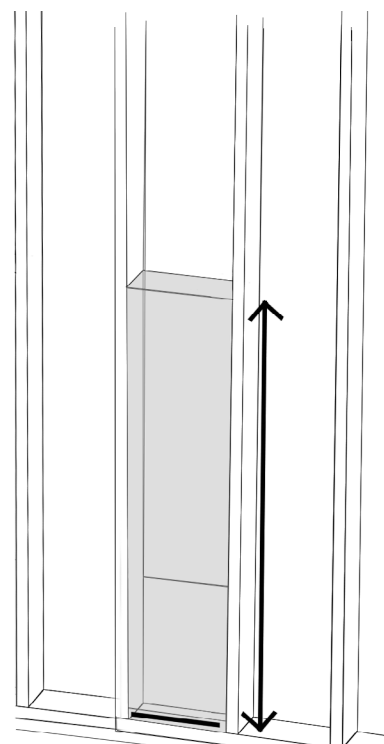
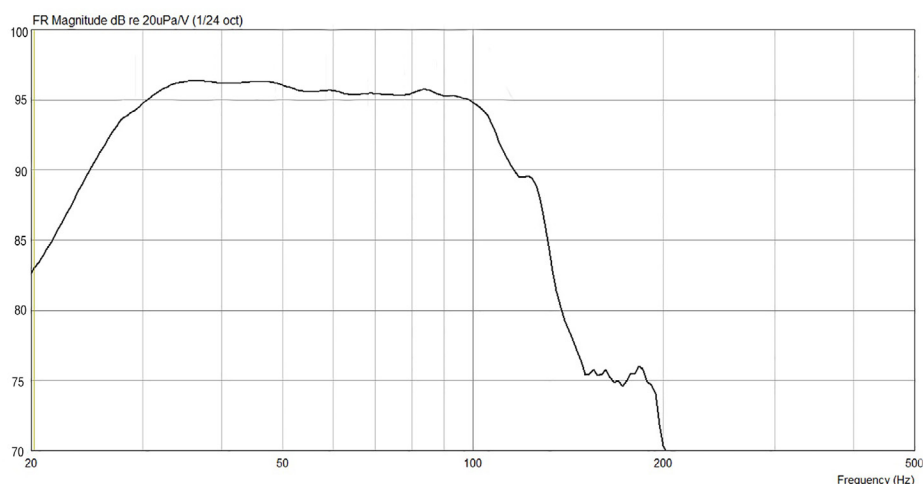
- Maximum output level in excess of 110dB in normal operation.
- Minimal visual impact once installed.
- Excellent transient response (low group delay)
- Low drive unit excursion/ low system distortion.
- Low frequency extension to below 30Hz.
- Low thermal compression when operating near maximum output.

These goals would be difficult to achieve using established sealed, reflex or band-pass loading techniques however Amina's new DTL bass loading offers significant advantages in bass extension and efficiency when compared to conventional alternatives.

Measuring 1605mm x 345mm x 118mm ( $63\frac{1}{5}'' \times 13\frac{1}{2}'' \times 4\frac{3}{4}''$ ) and weighing 17.5Kg ( $38\frac{37}{64}$ lbs), the ALF120 subwoofer can deliver over 110dB SPL/ 1m with frequency response down to 27Hz making the ALF120 the perfect discreet subwoofer for high end home cinema and other high performance applications.

## Adjustable port design:

The ALF120 port vent can either be positioned on the front or bottom faces of the cabinet; this allows for greater flexibility when positioning and concealing the product.



### Specifications

### ALF120

Nominal impedance	6 Ohms
Power handling (continuous)	50W continuous
Frequency response	27Hz - 120Hz (+/-6db) 29Hz - 101Hz (+/-3dB)
Efficiency	96dB @ 1m/ 2.83Vrms (Quarter space)
Max SPL	111dB @ 1m (Quarter space)
Dimensions	1605mm x 345mm x 118mm (63 <sup>1/5</sup> " x 13 <sup>1/2</sup> " x 4 <sup>3/4</sup> " )
Product weight	17.5Kg (38 <sup>37/64</sup> lbs)
Design	Hybrid Quarter Wave/ Transmission Line
Slot location	Front or base convertible
Slot Dimensions	305mm x 14mm (12" x 9/16")
Connection	3- way binding post (4mm plug, spade or bare wire). Bi-wire for future upgrades only