

Dynaco Aperiodic Enclosures

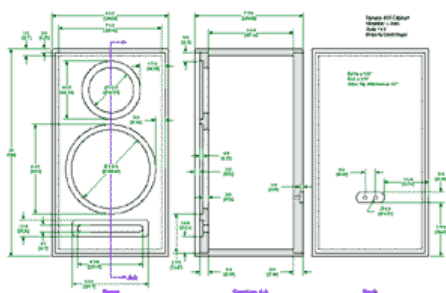
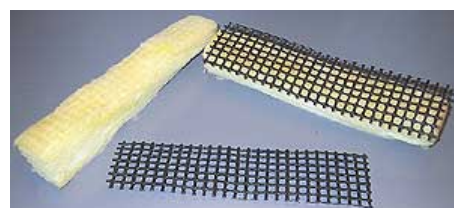
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Not exactly transmission lines, but to my mind, related is the aperiodic enclosure. Dynaco with their A10 & A25 were one of the early successes with this kind of enclosure. In the simplest terms an aperiodic enclosure employs a damped port -- in the case of the dynacos, a piece of compressed fiberglass insulation covering a slotted port.

This reduces the impedance peak of the enclosure at its resonance and lowers the overall Q of the box, allowing more realistic bass from a smaller box.

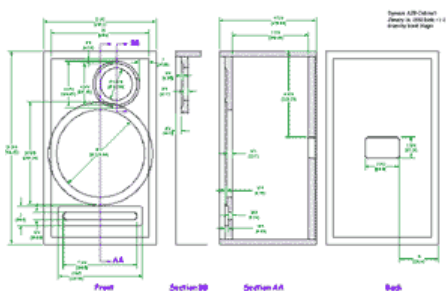
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The Dynaco A10

The A10 used a SEAS 6 1/2" alnico midbass & a SEAS 1 1/2" alnico treated textile dome tweeter with ~ 1.5 kHz XO.

<click image for large plans>

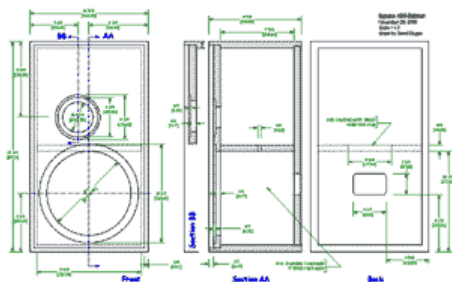


The Dynaco A25/A25XL

The classic A25 used a SEAS 10" alnico midbass & a SEAS 1 1/2" alnico treated textile dome tweeter with a 1kHz XO. The later A25XL gained 3 dB of efficiency by utilizing a ceramic SEAS 10" and 1" tweeter

[A 25/35 Crossover Map](#)

<click image for large plans>



The Dynaco A35/A40XL

The classic A35 used a SEAS 10" alnico midbass & a SEAS 1 1/2" alnico treated textile dome tweeter with a 1kHz XO. The later A40XL gained 3 dB of efficiency by utilizing a ceramic SEAS 10" and 1" tweeter

[A 25/35 Crossover Map](#)

<click image for large plans>

The Dynaco A50

coming eventually

The A50 used a pair of 16 ohm SEAS 10" alnico midbass & a SEAS 1 1/2" alnico treated textile dome tweeter with a 1kHz XO. The XO differed from the A25/A35 in that it has a high-pass on the woofers.

[A 50 Crossover Map](#)

<click image for large plans>

[[Back to the TL Speaker Page](#) | [Classics](#) | **Dynaco**]