

# Fonken167

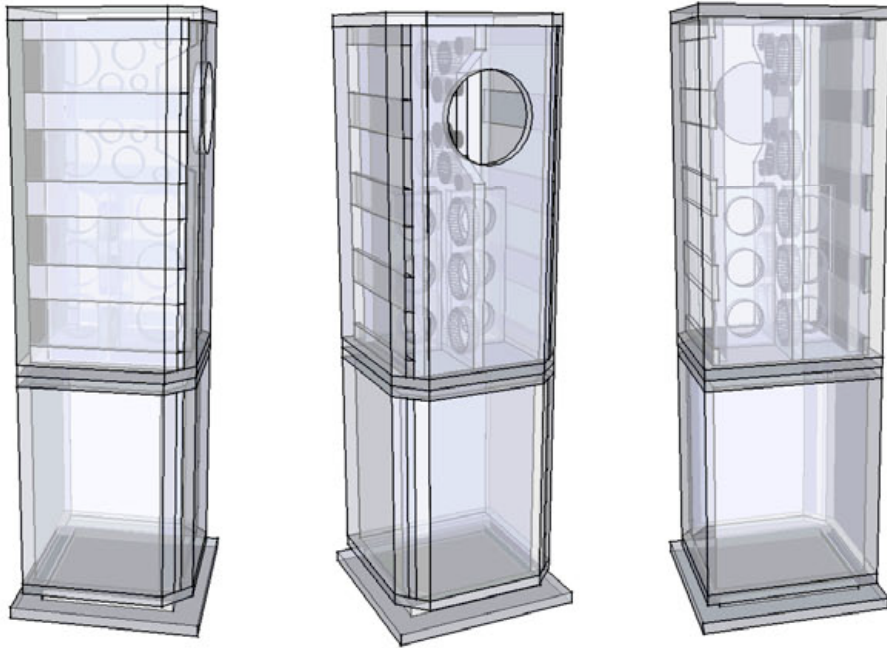


Photo 1: internals as drawn

Photo 2: with additional braces

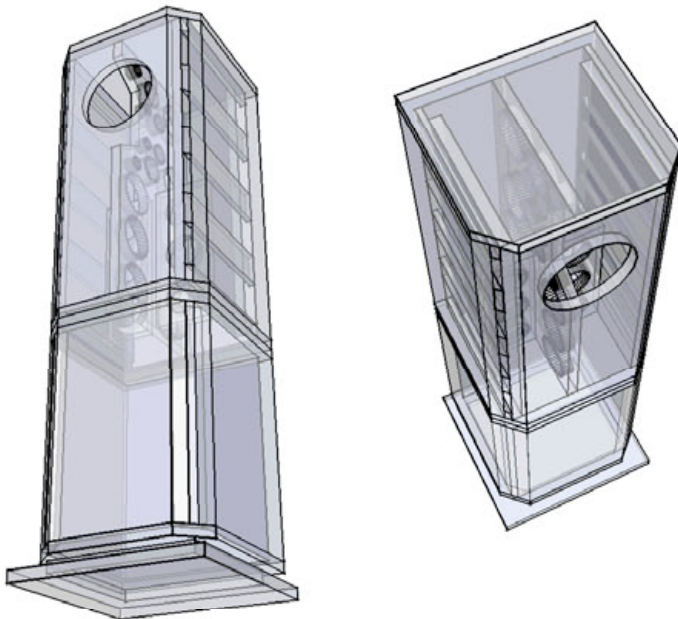






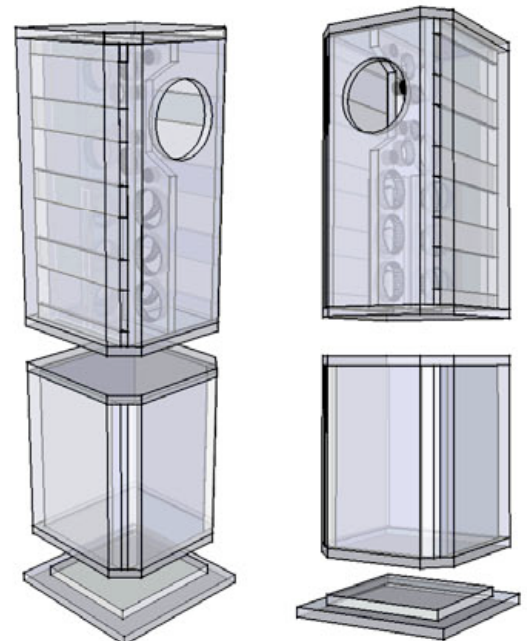
Notes 2:

- 1/ brace shape is only suggestive -- prime purpose is to brace speaker, it needs to be about 35-40% holes. (ie if you have to mount a terminal cup in the middle, you'll want to make sure the brace allows clearance)
- 2/ Don't forget to angle cut the back of the driver cut-out to give it breathing room
- 3/ All internal panels lined with ~1/2" (12mm) cotton or wool felt (preferred), 3/4" (19mm) poly-fluff batting, or 1" (25mm) fiberglass Note that it is hard to get into the box after it is sealed up Do not restrict the vent exits
- 4/ Optional grilles can be attached via flush mounted rare earth magnets. 6 pieces 1/4 x 1/4" have been found to be sufficient for 9.5mm MDF frames.



Notes 3:

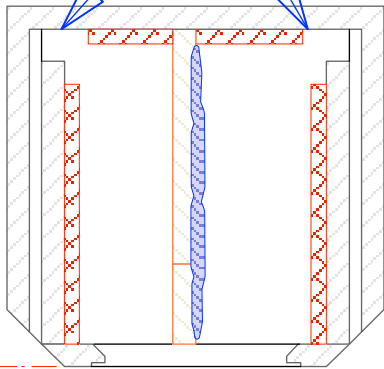
- 0/ Fonken167 is 3 independent pieces, the speaker proper, a false base, and a decorative plinth The last 2 are optional and details left to the builder. As shown, dimensions bring box to 1m in height.
- 1/ False base should be mass loaded (sand, shot, kitty litter...) or can be used for a suitable woofer (CSS SDX7 is one of our favorites – increase height 10 cm & use 2 or leave as is and use a Trio8. Use sealed, bracing required)



Fonken167 1V1 for FE167eN

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damping should not impinge on vent exits



damping diagram. Like all the other fonken line all the sides with 1/2" (or so) cotton or wool felt on all the sides. Optional is low density bat on the centre side of the holey braces.

A double layer of damping material on the bottom and top of the enclosure may be useful in helping to quell 1/4 wave resonances due to the height.

