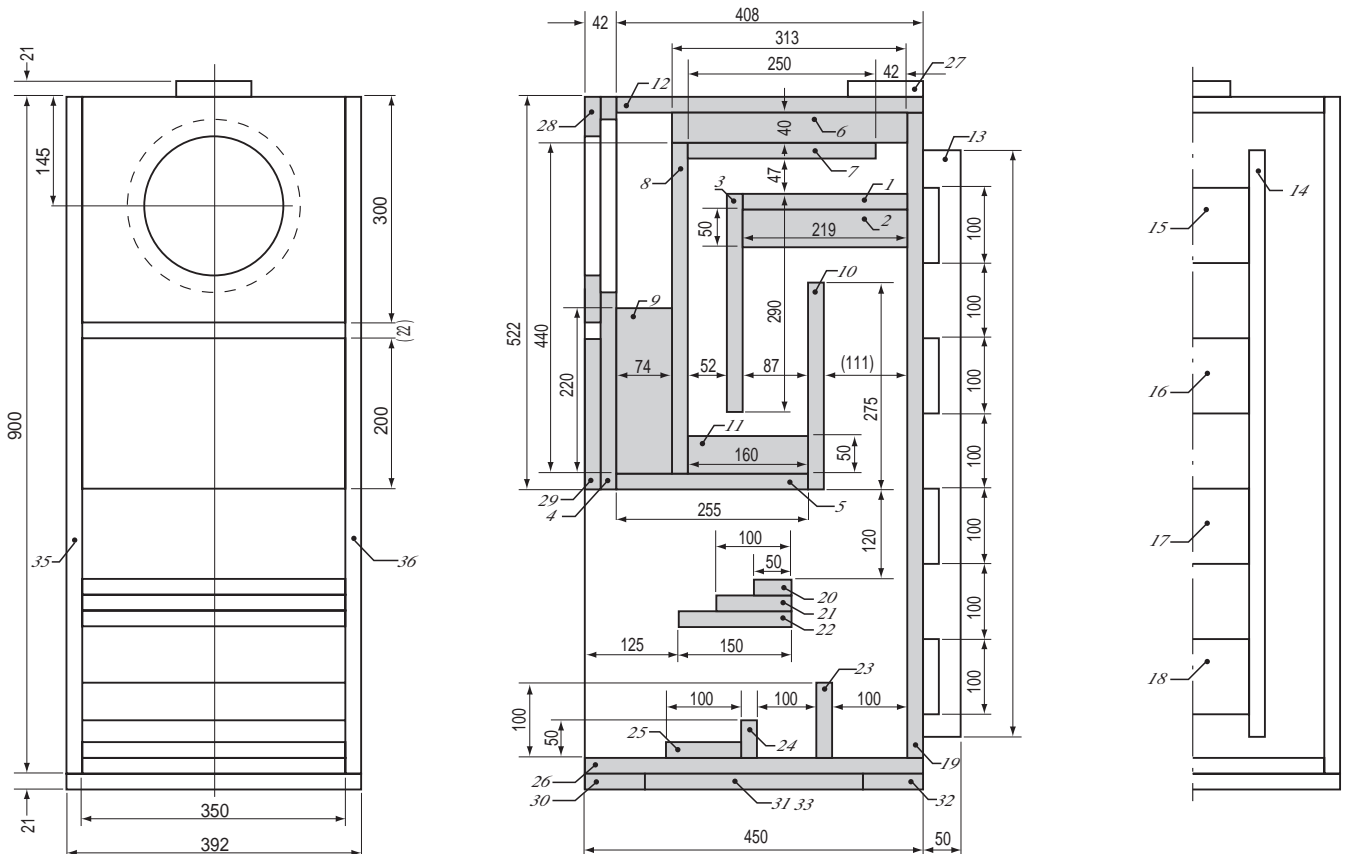
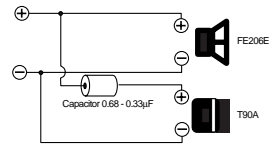
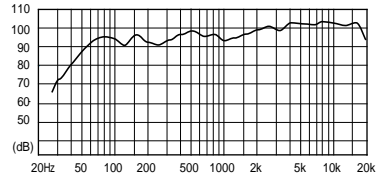


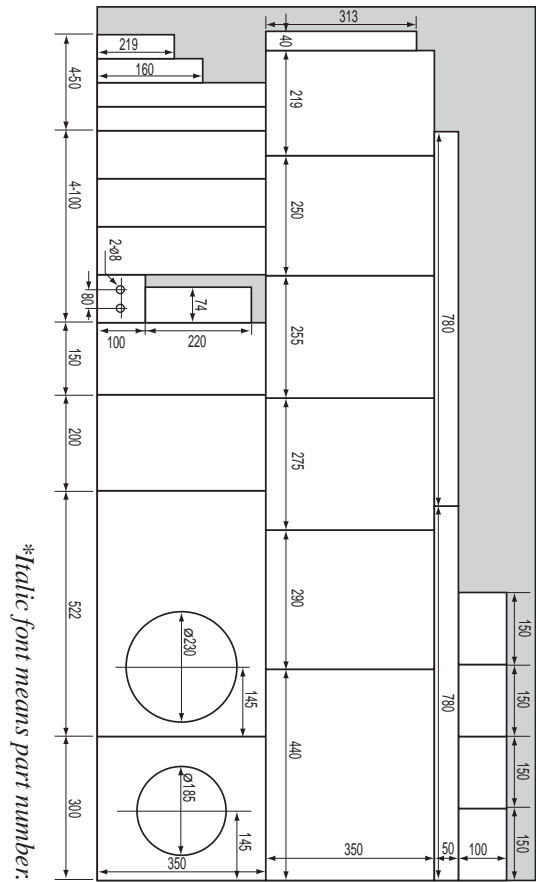
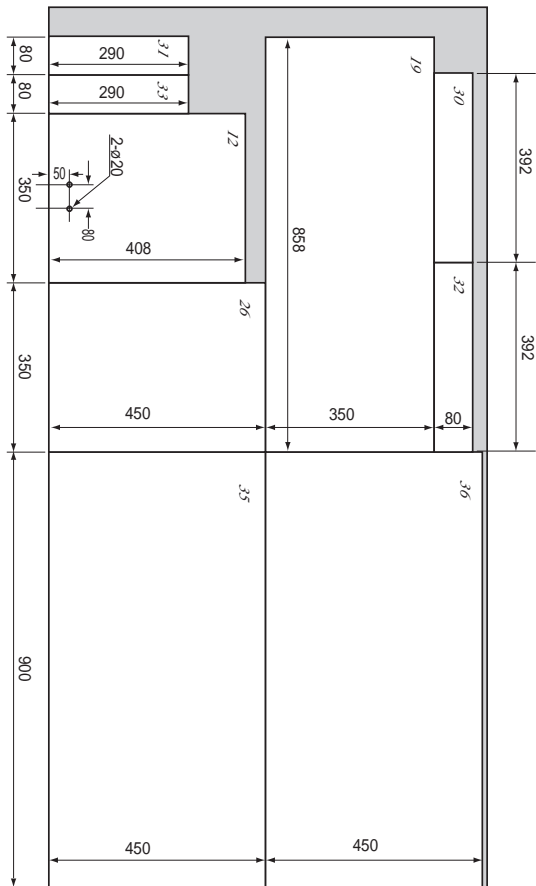
# FE206E

## Recommended Back Loaded Horn Type Enclosure

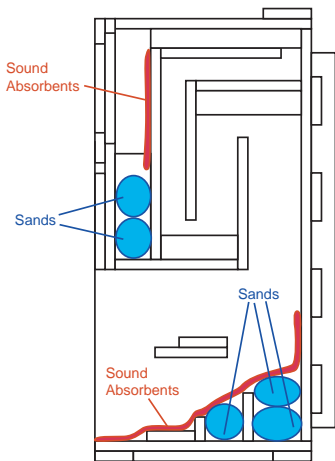


- This example shows a 'back loaded horn' type enclosure for FE206E.
- FE206E's magnetic circuit with  $\phi 146\text{mm}$  large ferrite magnet provides sharper resonance makes the unit suitable for a back loaded horn type enclosure.
- 21mm thick plywood is used for main section and side panels to ensure a strong enclosure.
- Two way system using super tweeter T90A is also recommended.





\*Italic font means part number:



- This example has sufficient internal volume . However, if you prefer 'tighter' sound reproduction, you can reduce airspace using sand or other fill material.
- Placing thin sound absorbent material as shown enable reduction of peaks & dips around 150 to 400Hz band width. However, it may reduce transient response. You should adjust to taste.
- In order to avoid unwanted mid/high frequency dispersion from the horn, we recommend damping the enclosure with fill and sound absorption material.

- FE206E designed for use in a back loaded horn type enclosure and it is generally unsuitable for bass reflex because of its over damping sound characteristics. However, it is possible to use the FE166E in a bass reflex enclosure as shown.
- This example is a narrow and tall style bass reflex type enclosure. Internal volume of 45 liters tuned to approximately 50Hz (Fb).
- Low frequency response from around 120Hz is gently damped with a controlled peak at 50 - 60Hz.

### Bass Reflex Type Enclosure

