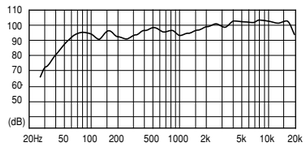
RECOMMENDED ENCLOSURE

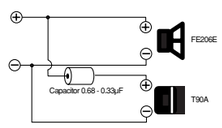
FE206E

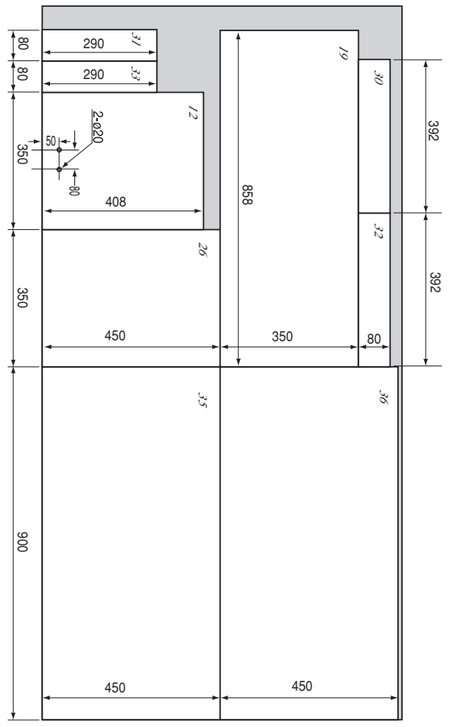
Recommended Back Loaded Horn Type Enclosure

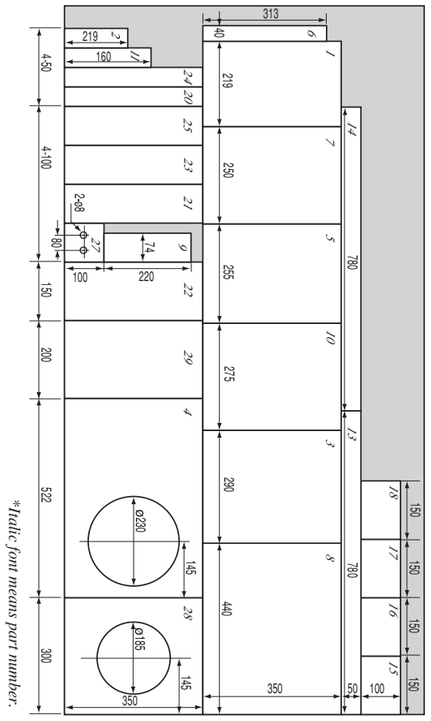
- This example shows a ‘back loaded horn’ type enclosure for FE206E.
- FE206E’s magnetic circuit with ø146mm large ferrite magnet provides sharper resonance and makes the unit suitable for a back loaded horn type enclosure.



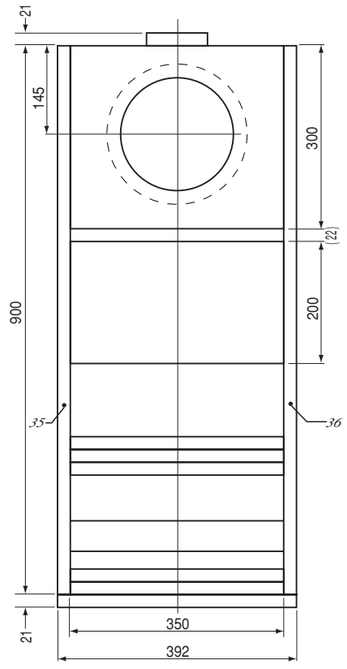
- 21mm thick plywood is used for main section and side panels to ensure a strong enclosure.
- Two way system using super tweeter T90A is also recommended.

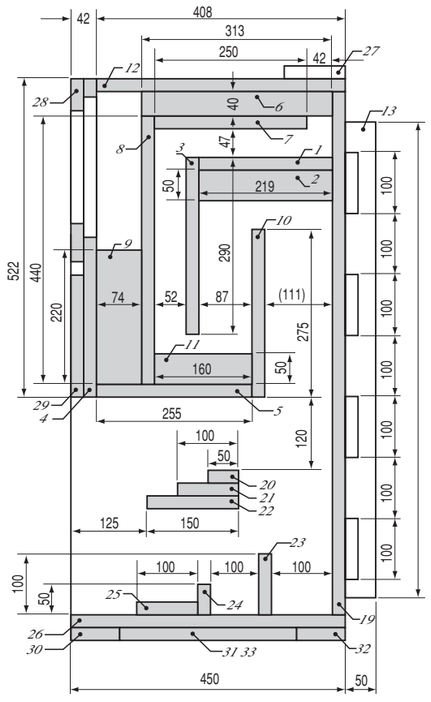


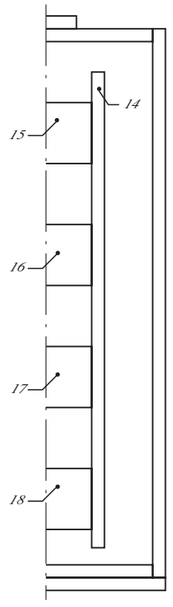


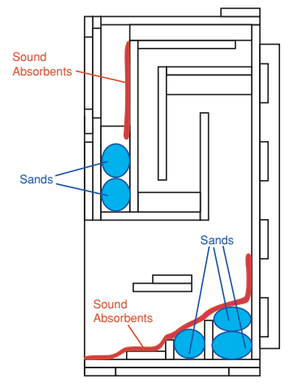


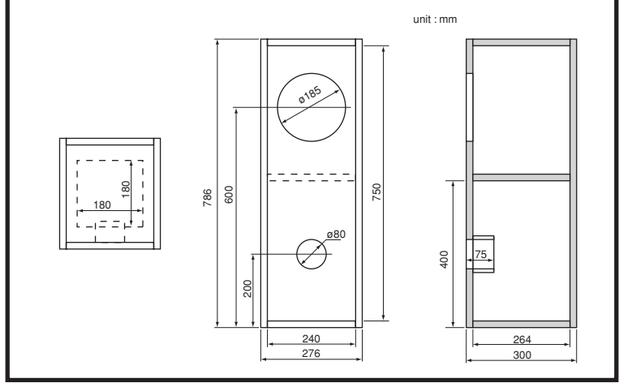
*Italic font means part number.









- This example has sufficient internal volume. However, if you prefer ‘tighter’ sound reproduction, you can reduce airspace using sands 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 it to your taste.
- In order to avoid unwanted mid/high frequency dispersion of the horn, we recommend damping the enclosure with filler and sound absorption material.
- FE206E is 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 FE206E 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