

Classic 95 litre vented box standmount for Markaudio CHR120
[with high output impedance amplifier]

Notes:

- 0/ Diagram provides Imperial and metric dimensions.
Dimensions not direct equivalents
- 1/ 18mm & 3/4in sheet build material assumed. MDF acceptable, quality void-free multiply highly recommended
- 2/ Front, top, base and rear baffles doubled for enhanced rigidity
- 3/ Bracing not shown but strongly recommended. See drawing Pensil 12P / Super Pensil 12P for example
- 4/ Chamfer / relieve driver cut-out to prevent reflections & enhance air-flow
- 5/ All internal faces lagged 15mm - 20mm / 3/4in acoustic fibreglass, Ultratouch recycled denim, quality wool-felt or similar. Avoid acoustic foam

Design specifically created for use with high output impedance amplifiers (SET &c.).

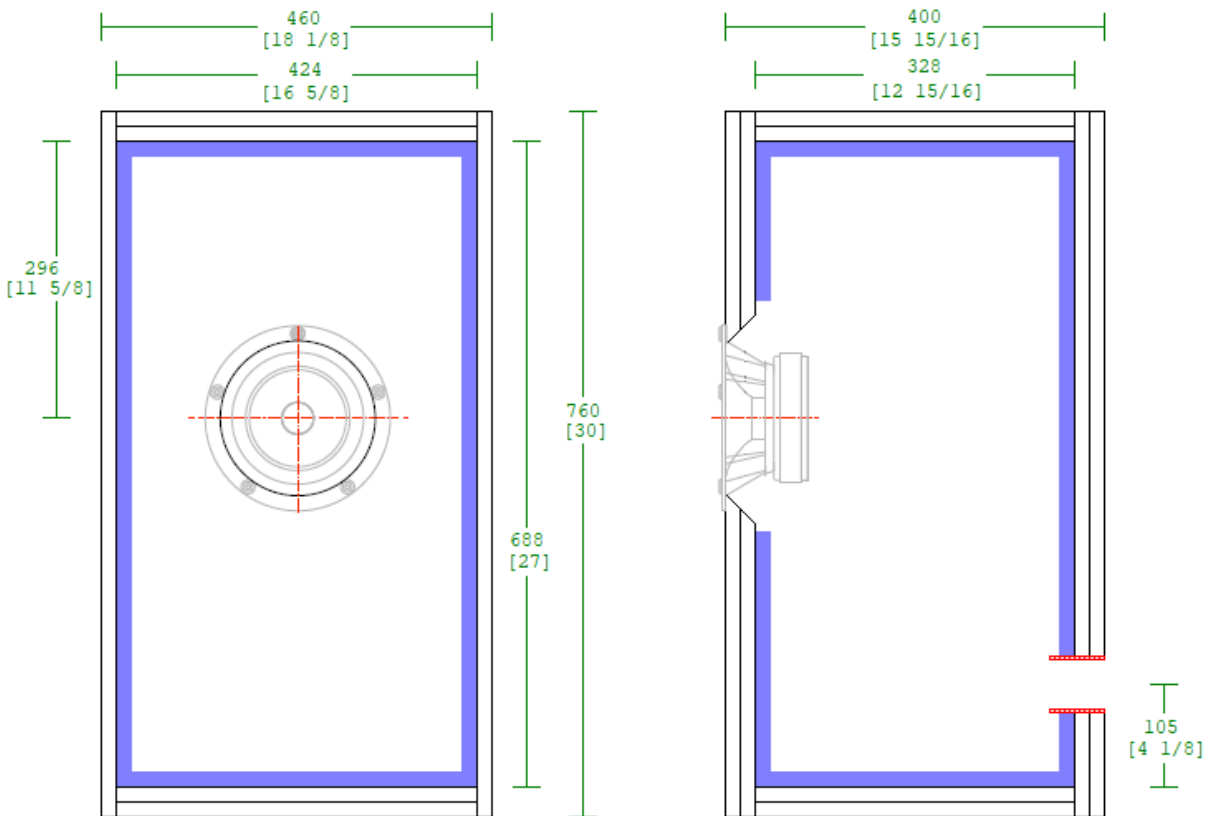
Alignment does not work correctly with conventional low output impedance voltage source amplifiers. If used with such an amplifier, insert a 2.5ohm - 3.9ohm power resistor (minimum 20w rating) in series with the driver.

Note that power handling is limited with this design.

Fb = 27Hz

F3 = 24Hz (nominal anechoic)

F6 = 21Hz (nominal anechoic)



Vent options
Assumes unflared ports

- 1/ Single vent.
50mm [2in] diameter x 55mm [2 1/8in] long
- 2/ Twin vent
35mm [1 3/8in] diameter x 61mm [2 7/16in] long
- 3/ Triple vent
35mm diameter [1 3/8in] x 100mm [3 15/16in] long

If twin or triple vent option used, position vents side-by-side