



Classic 40 litre vented box standmount for Markaudio CHR-120

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 and top 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 assumes voltage source amplifier & 1/2ohm series resistance for typical speaker wiring and connections

Fb = 34Hz
 F3 = 37Hz (nominal anechoic)
 F6 = 31Hz (nominal anechoic)

Vent options

Assumes unflared ports

- 1/ Single vent.
50mm diameter [2in] x 92mm [3 1/2in] long
- 2/ Twin vents.
35mm diameter [1 3/8in] x 98mm [3 3/4in] long

Note:

If twin-vent option used, position side-by-side

