

Markaudio CHR-120 Bessel aligned sealed box (Qtc = 0.577)

Notes

- 0/Metric and Imperial dimensions provided Not exact equivalents / direct conversions
- 1/Plinth, front, rear & top baffles doubled to increase rigidity. MDF acceptable, quality void-free multiply (Baltic birch, apple, marine, bamboo) recommended
- 2/Bracing not shown but recommended (minimum 3x window braces with uneven distribution on the longitudinal. See superPencil 12P for alternate bracing ideas
- 3/All internal faces lagged 15mm - 25mm [3/4in - 1in] acoustic fiberglass, SAE-F13 rated felt, Ultratouch, jute or similar. Avoid acoustic foam. Fill bottom of enclosure with loose hollow-fibre stuffing
- 4/Chamfer rear of driver cutout to improve airflow

Design assumes 1/2ohm series resistance for wire, connectors &c.
Bessel (Qtc = 0.577) alignment under these conditions

Fb = 51Hz [nearly]
F3 = 65Hz [nearly, nominal anechoic]
F6 = 45Hz [nearly, nominal anechoic]

