

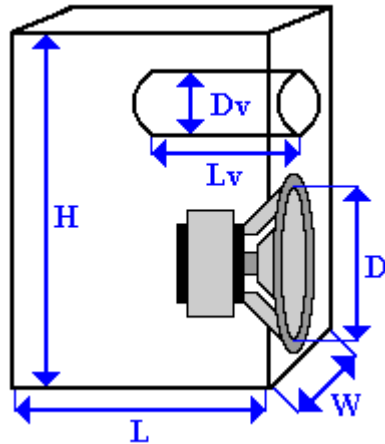
# Butterworth B4 Ported

$$V_{as} = 17.3 \text{ lts}$$

$$f_s = 67.3 \text{ Hz}$$

$$Q_{ts} = 0.24$$

$$D = 120 \text{ mm}$$



## Dimensions

$$V_b = 0.2 \text{ ft}^3 = 5.73 \text{ lts}$$

$$= L \times W \times H$$

$$f_3 = 113.51 \text{ Hz}$$

$$f_b = 113.51 \text{ Hz}$$

$$D_v = 1 \text{ in} = 2.5 \text{ cm}$$

$$L_v = 0.07 \text{ in} = 0.15 \text{ cm}$$

**V<sub>b</sub>**: Speaker Box Internal Volume

**f<sub>3</sub>**: 3dB Cutoff Frequency

**f<sub>b</sub>**: Enclosure Resonant Frequency

**D<sub>v</sub>**: Port Diameter

**L<sub>v</sub>**: Port Length

Note: Port volume (inside the port) does not count toward speaker volume.