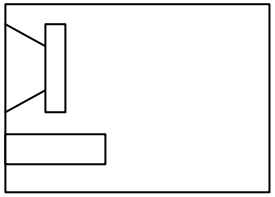
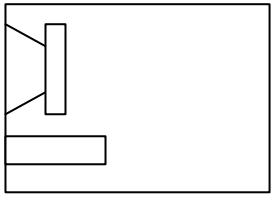
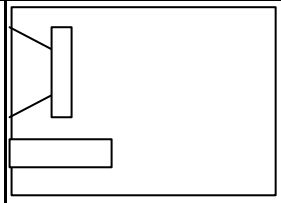
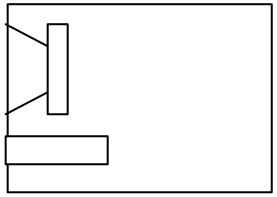
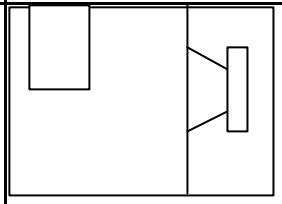
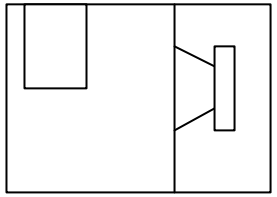
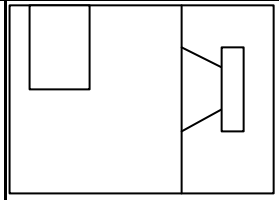
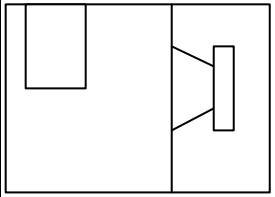
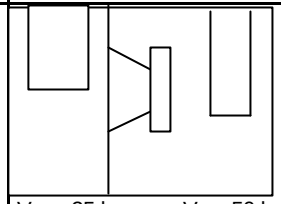
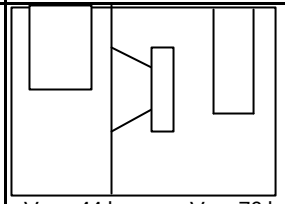
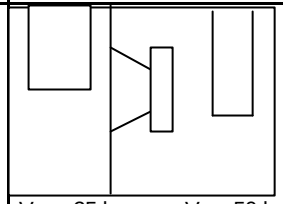
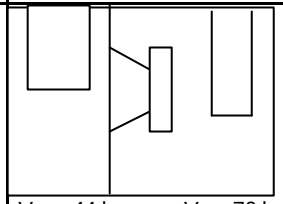
Bauvorschläge AUDIO SYSTEM Subwoofer (Innenvolumen incl. Subwoofer und Bassreflexrohr)

BOX	CX 12	CX 15	CX 12 DV	CX 15 DV	
SEALED (Geschlossen)					
PORTED (Bassreflex)	 V = 60 l d = 10 cm l = 20 cm f = 36 Hz	 V = 95 l d = 15 cm l = 25 cm f = 35 Hz	 V = 60 l d = 10 cm l = 20 cm f = 36 Hz	 V = 95 l d = 15 cm l = 25 cm f = 35 Hz	
IISOBARIC 5th (Einfach-ventilierter Bandpass)	 V_1= 40 l V_2 = 25 l d = 15 cm l = 20 cm f = 62 Hz	 V_1= 60 l V_2 = 40 l d = 20 cm l = 25 cm f = 60 Hz	 V_1= 40 l V_2 = 25 l d = 15 cm l = 20 cm f = 62 Hz	 V_1= 60 l V_2 = 40 l d = 20 cm l = 25 cm f = 60 Hz	
IISOBARIC 7th (Doppel-ventilierter Bandpass)	 V_1 = 25 l V_2 = 50 l d_1 = 15 cm d_2 = 10 cm l_1 = 15 cm l_2 = 27 cm f_1 = 80 Hz f_2 = 35 Hz	 V_1 = 44 l V_2 = 76 l d_1 = 20 cm d_2 = 12,5 cm l_1 = 17 cm l_2 = 30 cm f_1 = 77 Hz f_2 = 35 Hz	 V_1 = 25 l V_2 = 50 l d_1 = 15 cm d_2 = 10 cm l_1 = 15 cm l_2 = 27 cm f_1 = 80 Hz f_2 = 35 Hz	 V_1 = 44 l V_2 = 76 l d_1 = 20 cm d_2 = 12,5 cm l_1 = 17 cm l_2 = 30 cm f_1 = 77 Hz f_2 = 35 Hz	
ORIGINAL-BOXESl	CX 12 BR CX 12 BP CX 12 BR2	CX 15 BR CX 15 BP	CX 12 DV BR CX 12 DV BP CX 12 DV BR2	CX 15 DV BR CX 15 DV BP	

Thiele Small Parameter

CX 12

f_s = 40 Hz
Q_{fs} = 0.3
V_{AS} = 40 L

CX 15

f_s = 35 Hz
Q_{fs} = 0.34
V_{AS} = 94 L

CX 12 DV

f_s = 39 Hz
Q_{fs} = 0.31
V_{AS} = 42 L

CX 15 DV

f_s = 36 Hz
Q_{fs} = 0.35
V_{AS} = 99 L