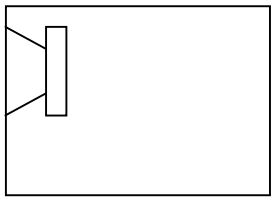
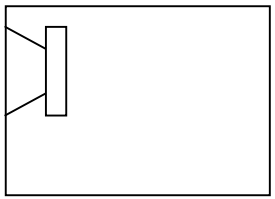
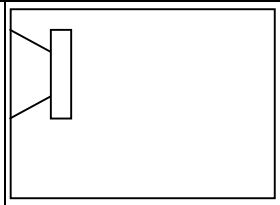
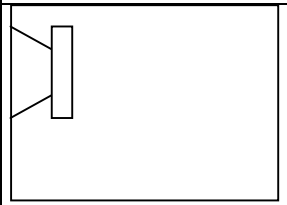
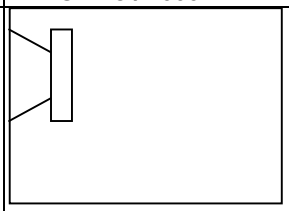
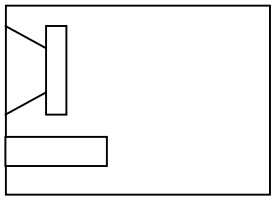
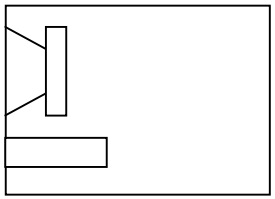
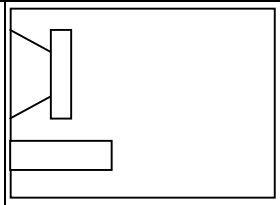
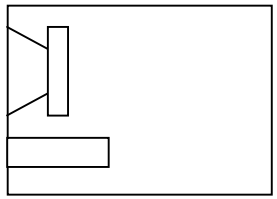
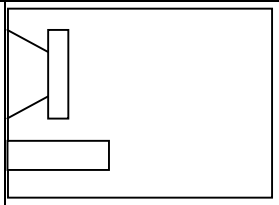
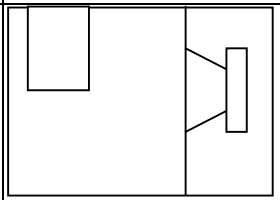
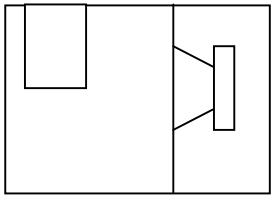
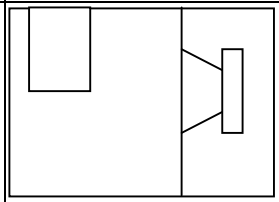
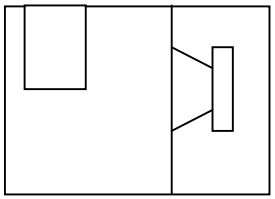
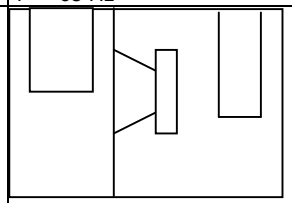
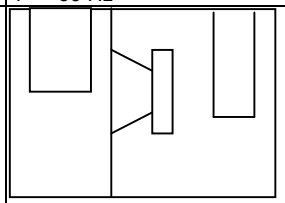
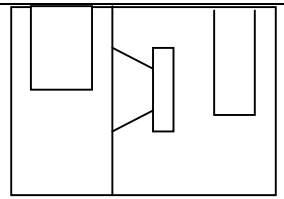
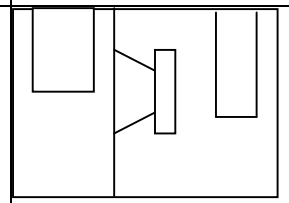
Bauvorschläge AUDIO SYSTEM Subwoofer (Innenvolumen incl. Subwoofer und Bassreflexrohr)

BOX	X - ION 10 PLUS	X - ION 12 PLUS	X - ION 15 PLUS	X - ION 12 / 800	X - ION 15 / 1000
SEALED (Geschlossen)	 V = 20 l f = 54 Hz	 V = 32 l f = 48 Hz	 V = 60 l f = 49 Hz	 V = 32 l f = 50 Hz	 V = 60 l F = 45 Hz
PORTED (Bassreflex)	 V = 35 l d = 10 cm l = 23 cm f = 40 Hz	 V = 48 l d = 10 cm l = 30 cm f = 36 Hz	 V = 95 l d = 15 cm l = 25 cm f = 40 Hz	 V = 60 l d = 10 cm l = 25 cm f = 35 Hz	 V = 95 l d = 15 cm l = 25 cm f = 38 Hz
IISOBARIC 5th (Einfach-ventilierter Bandpass)	 V_1= 23 l V_2 = 13 l d = 12,5 cm l = 28 cm f = 65 Hz	 V_1= 33 l V_2 = 17 l d = 15 cm l = 32 cm f = 60 Hz	 V_1= 50 l V_2 = 30 l d = 20 cm l = 30 cm f = 63 Hz	 V_1= 33 l V_2 = 16 l d = 15 cm l = 30 cm f = 60 Hz	
IISOBARIC 7th (Doppel-ventilierter Bandpass)	 V_1 = 18 l V_2 = 30 l d_1 = 12,5 cm d_2 = 7 cm l_1 = 16 cm l_2 = 20 cm f_1 = 90 Hz f_2 = 40 Hz	 V_1 = 25 l V_2 = 50 l d_1 = 15 cm d_2 = 10 cm l_1 = 23 cm l_2 = 30 cm f_1 = 80 Hz f_2 = 36 Hz		 V_1 = 25 l V_2 = 50 l d_1 = 15 cm d_2 = 10 cm l_1 = 18 cm l_2 = 23 cm f_1 = 85 Hz f_2 = 40 Hz	 V_1 = 44 l V_2 = 76 l d_1 = 20 cm d_2 = 12,5 cm l_1 = 22 cm l_2 = 29 cm f_1 = 76 Hz f_2 = 36 Hz
ORIGINAL-BOXESl	X-ION 10 G X-ION 10 BR	X-ION 12 G X-ION 12 BP X-ION 12 BR X-ION 12 BR2	X-ION 15 G X-ION 15 BR	X-ION 12/800 BR und BR2 X-ION 12/800 BP X-ION 12/800 G	X-ION 15/1000 BR X-ION 15/1000 BP X-ION 15/1000 G

Thiele Small Parameter

X - ION 10 PLUS

f_s = 32 Hz
Q_{ts} = 0.35
V_{AS} = 49 L

X - ION 12 PLUS

f_s = 30 Hz
Q_{ts} = 0.37
V_{AS} = 63 L

X - ION 15 PLUS

f_s = 39 Hz
Q_{ts} = 0.48
V_{AS} = 57 L

X - ION 12 / 800

f_s = 38 Hz
Q_{ts} = 0.52
V_{AS} = 25 L

X - 15 / 1000

f_s = 33 Hz
Q_{ts} = 0.43
V_{AS} = 50 L