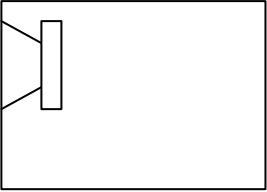
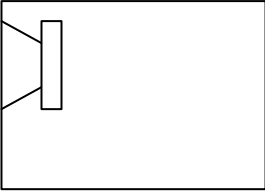
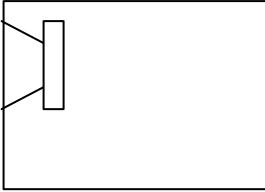
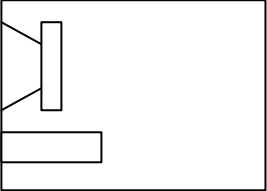
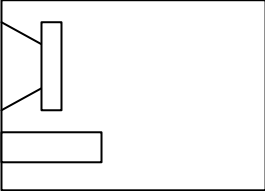
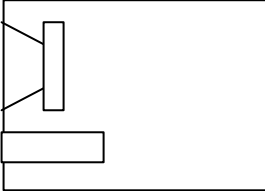
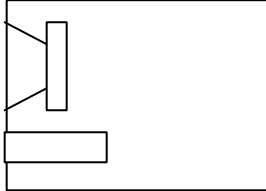
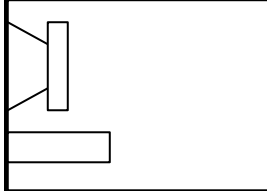
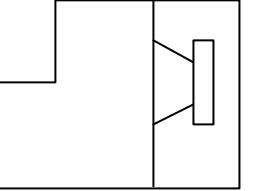
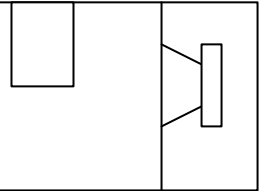
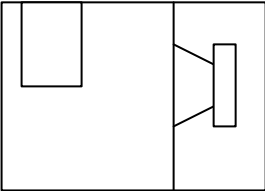
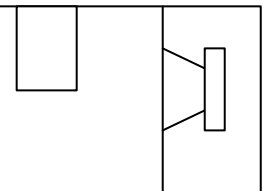
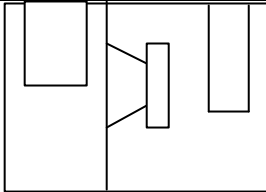
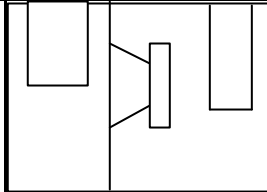


Bauvorschläge AUDIO SYSTEM Subwoofer (Innenvolumen incl. Subwoofer und Bassreflexrohr)

BOX	X - ION 10	X - ION 12	X - ION 15	X - ION 12 / 600	X - ION 15 / 800
SEALED (Geschlossen)	 V = 20 l f = 56 Hz	 V = 32 l f = 47 Hz	 V = 60 l f = 42 Hz		
PORTED (Bassreflex)	 V = 35 l d = 10 cm l = 28 cm f = 40 Hz	 V = 48 l d = 10 cm l = 28 cm f = 36 Hz	 V = 95 l d = 15 cm l = 25 cm f = 36 Hz	 V = 60 l d = 10 cm l = 15 cm f = 40 Hz	 V = 95 l d = 15 cm l = 25 cm f = 36 Hz
IISOBARIC 5th (Einfach-ventilierter Bandpass)	 V ₁ = 25 l d = 12,5 cm l = 28 cm f = 60 Hz V ₂ = 15 l	 V ₁ = 40 l d = 15 cm l = 26 cm f = 60 Hz V ₂ = 22 l	 V ₁ = 60 l d = 19 cm l = 30 cm f = 57 Hz V ₂ = 35 l	 V ₁ = 30 l d = 12,5 cm l = 20 cm f = 57 Hz V ₂ = 18 l	
IISOBARIC 7th (Doppel-ventilierter Bandpass)				 V ₁ = 25 l d ₁ = 15 cm l ₁ = 20 cm f ₁ = 80 Hz V ₂ = 50 l d ₂ = 10 cm l ₂ = 29 cm f ₂ = 38 Hz	 V ₁ = 44 l d ₁ = 20 cm l ₁ = 20 cm f ₁ = 77 Hz V ₂ = 76 l d ₂ = 12,5 cm l ₂ = 34 cm f ₂ = 35 Hz
ORIGINAL-BOXESI	X-ION 10 G X-ION 10 BR	X-ION 12 G X-ION 12 BR X-ION 12 BR2	X-ION 15 G X-ION 15 BR	X-ION 12/600 BR X-ION 12/600 BPE X-ION 12/600 BP	X-ION 15/800 BR X-ION 15/800 BP

Thiele Small Parameter

X - ION 10

f_s = 38 Hz
Q_{fs} = 0.57
V_{AS} = 31 L

X - ION 12

f_s = 29 Hz
Q_{fs} = 0.42
V_{AS} = 64 L

X - ION 15

f_s = 26 Hz
Q_{fs} = 0.35
V_{AS} = 122 L

X - ION 12 / 600

f_s = 33.9 Hz
Q_{fs} = 0.4
V_{AS} = 40 L

X - 15 / 800

f_s = 31 Hz
Q_{fs} = 0.29
V_{AS} = 83 L