



S220-6-222 SANDWICH BASS

VENTED BOX DESIGN PARAMETERS:

Vb: 30L, Fres: 23Hz with passive radiator, -12dB @ 25Hz, Q: 0.47 (optimal A/V alignment)

Vb: 25L, Port diameter: 70mm, Length: 230mm, Fres: 40Hz, F-3dB: 43Hz, Q: 0.50

Vb: 40L, Port diameter: 70mm, Length: 155mm, Fres: 37Hz, F-3dB: 37Hz, Q: 0.43 (extended bass)

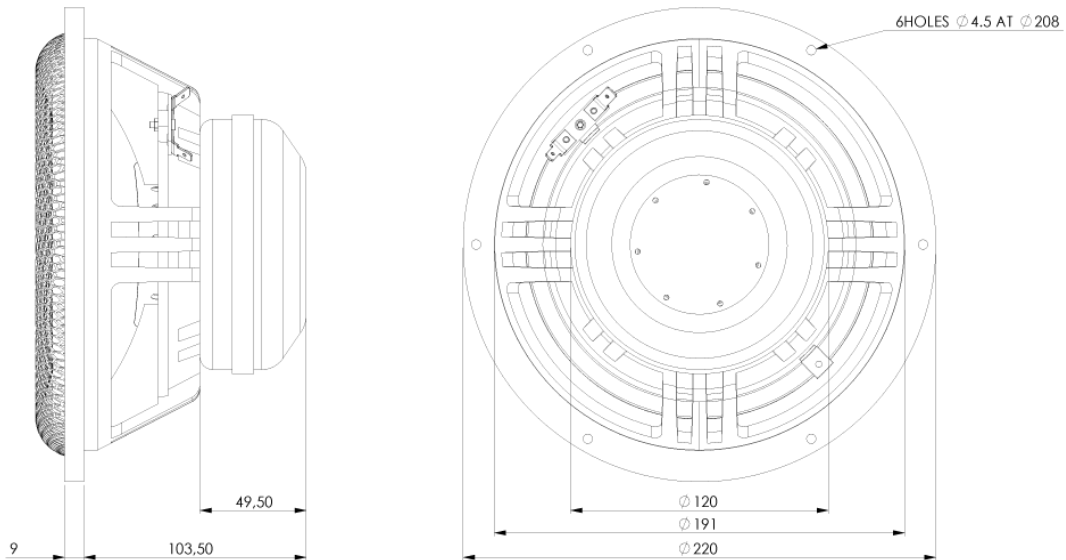
CLOSED BOX DESIGN PARAMETERS:

Vb: 12L, -11dB @ 40Hz, F-3dB: 69Hz, Q: 0.71 (typical)

Vb: 25L, -8dB @ 40Hz, F-3dB: 70Hz, Q: 0.50 (extended bass)

HIGHLIGHTS

8.5 inch sandwich cone bass with high efficiency for 2 or 3-way designs.
 Large sized voice coil with 55mm titanium voice coil former.
 Big, underhung 120mm Neodymium magnet system for very low distortion.



Dome material	Sandwich
Application	Bass
Overall diameter	220 MM
Cutout Diameter/Square	191 MM
Overall depth	112.5 MM
Motor assembly depth	49.5
Motor assembly diameter	120

MAIN FEATURES

underhung motor design
 55mm Titanium VC Former
 Soft Rubber Surround
 Vented VC, Pole Piece & Spider
 31 HZ - 1 KHZ in ventilierter Box

MECHANICAL DATA

Specification	Value	Unit
Overall diameter	220	mm
Cutout Diameter/Square	191	mm
Min. frontplate thickness	9	mm
Overall depth	112.5	mm
Motor assembly depth	49.5	mm
Motor assembly diameter	120	mm
Screwfitting	DIN 7984 / Ø 4.50	mm
Terminal	+: 6.3 x 0.8 / -: 4.8 x 0.8	mm
Shipping weight (pair)	9.5	Kg
Shipping box size (pair)	250/290/250	mm

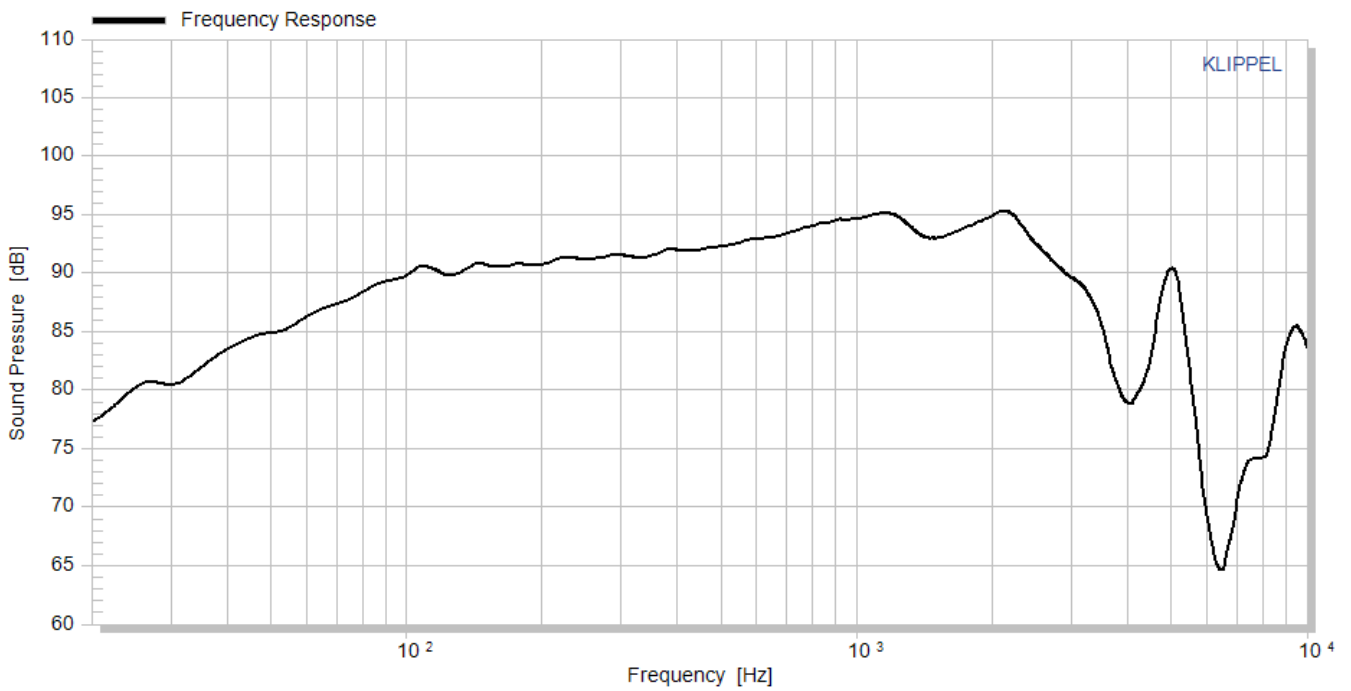
THIELE/SMALL PARAMETERS

Specification		Value	Unit
Sensitivity (2.83V / 1m)	Spl	91.5	dB
DC-resistance	Re	6.52	Ohm
Resonance frequency	Fs	25	Hz
Equivalent volume of air	Vas	89.68	ltr
Mechanical Q	Qms	3.83	
Electrical Q	Qes	0.27	
Total Q	Qts	0.26	
Effective piston area	Sd	224	Cm2
Moving mass	Mms	32.15	g
Suspension compliance	CMs	1.26	mm/n
Mechanical resistance	Rms	1.32	Kg*s

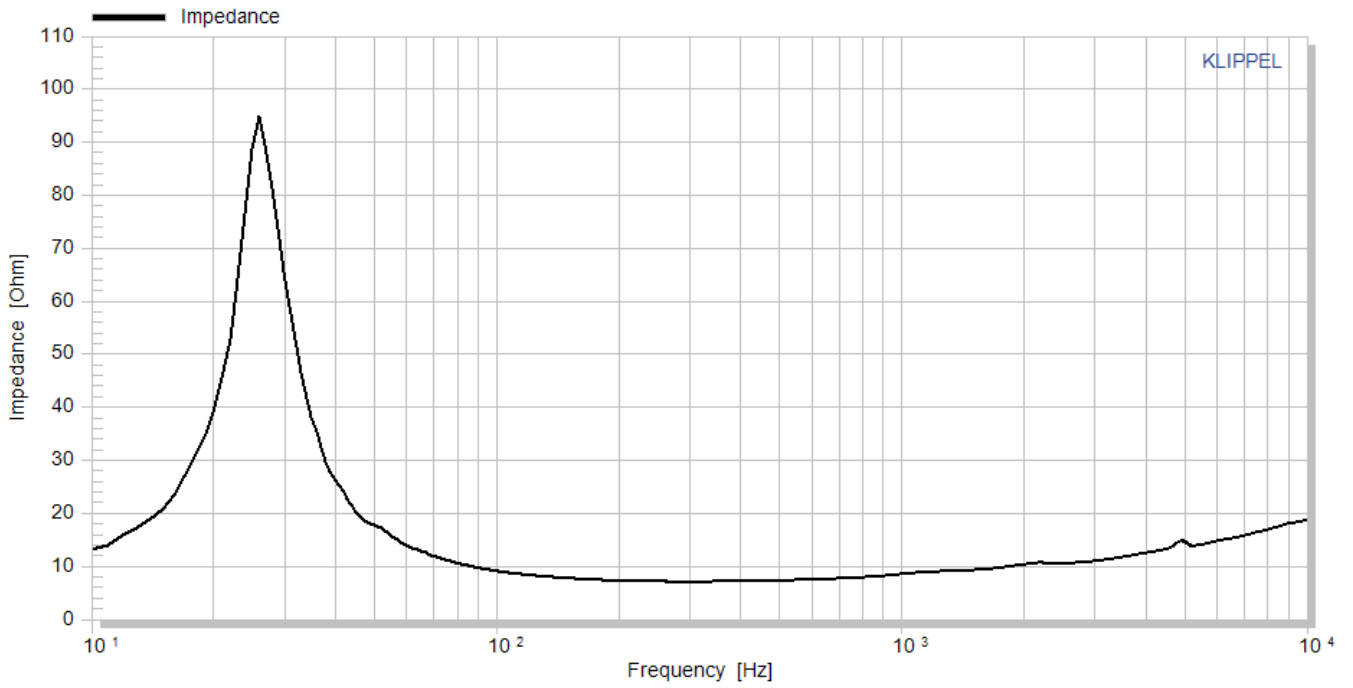
VOICE COIL PARAMETERS

Specification		Value	Unit
Power handling	P	150	W
Linear excursion	Xmax	+/-5.25	mm
Voice coil diameter		55	mm
Voice coil former material		Ti	
Voice coil material		Cu	
Voice coil inductance	Le	0.36	mH
Force factor	Bl	10.95	N/A
Motor type	Underhung		
Ferrofluid filling		No	

FREQUENCY RESPONSE [DB]



IMPEDANCE [OHM]



HARMONIC DISTORTION [%]

