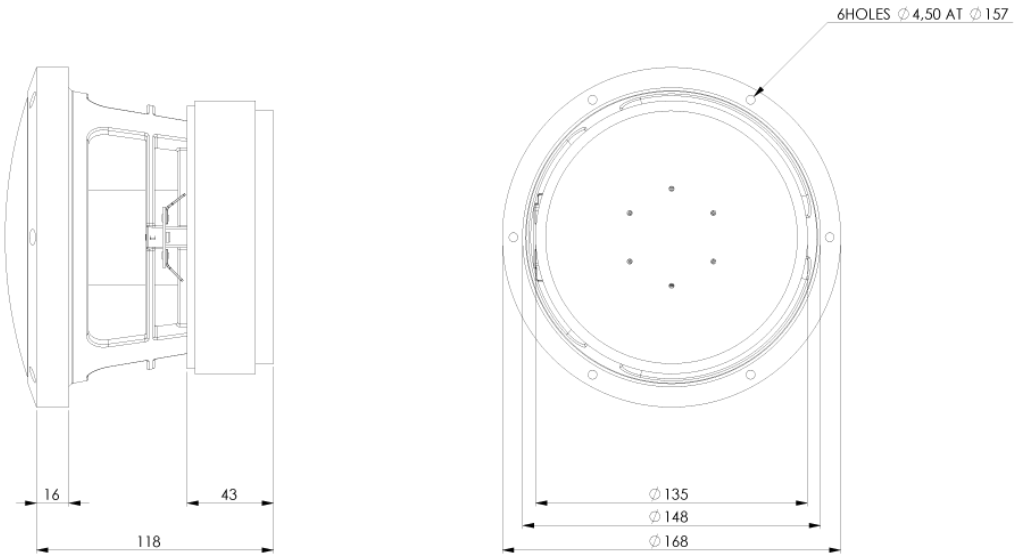
AS168-9-470 CELL ALUMINIUM-SANDWICH BASS

The **AS168-9-470** is an 7 inch bass driver with aluminum honeycomb sandwich dome, being the first in an entirely new approach to accuton speaker design. An ideal acoustical center has been achieved, which is identical with our **CELL** tweeters and midranges. Its novel designed overhung motor combines the advantages of traditional over- and underhung designs, delivering high linear excursion and ultra low distortion. An exceptionally hard aluminum sandwich dome was developed for the **CELL** bass drivers that allows for negligible delay and energy storage. The hidden surround serves for reduced outer diameter and linear excursion of +/- 16mm. A new developed spider shape makes huge excursion without compression possible.
We recommend our **AS168-9-470** for an application from 35 Hz – 1000 Hz.



Dome material	Aluminium-Sandwich
Application	Bass
Overall diameter	168 MM
Cutout Diameter/Square	148 MM
Overall depth	118 MM
Motor assembly depth	43
Motor assembly diameter	135

MAIN FEATURES

Full featured cell concept
Ideal acoustic center
No compressiondesign
Proprietary motor design
35 HZ - 1000 HZ in vented Box

MECHANICAL DATA

Specification		Value	Unit
Overall diameter		168	mm
Cutout Diameter/Square		148	mm
Min. frontplate thickness		16	mm
Overall depth		118	mm
Motor assembly depth		43	mm
Motor assembly diameter		135	mm
Screwfitting		DIN 7984 / Ø 4.50	mm
Terminal		+: 6.3 x 0.8 / -: 4.8 x 0.8	mm
Shipping weight (pair)		8.4	Kg
Shipping box size (pair)		225/225/370	mm

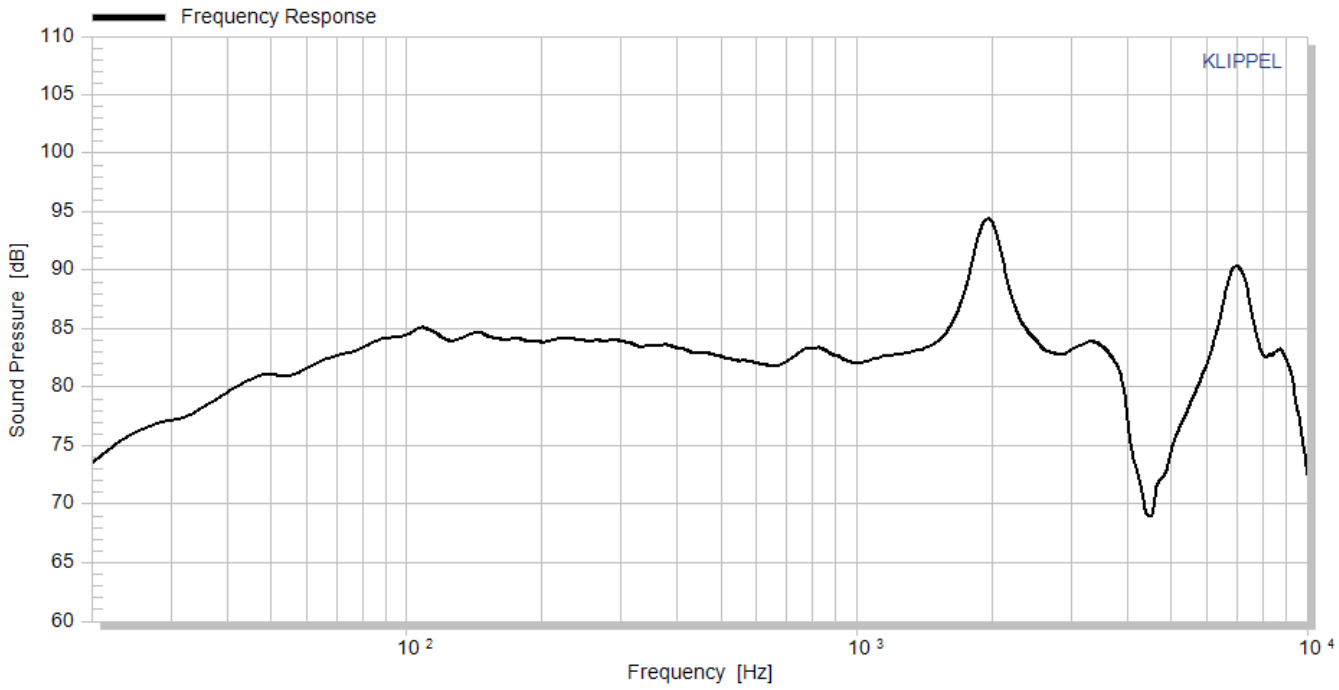
THIELE/SMALL PARAMETERS

Specification		Value	Unit
Sensitivity (2.83V / 1m)	Spl	84	dB
DC-resistance	Re	9	Ohm
Resonance frequency	Fs	27	Hz
Equivalent volume of air	Vas	35.5	ltr
Mechanical Q	Qms	4.35	
Electrical Q	Qes	0.38	
Total Q	Qts	0.35	
Effective piston area	Sd	161	Cm2
Moving mass	Mms	36	g
Suspension compliance	CMs	0.97	mm/n
Mechanical resistance	Rms	1.4	Kg*s

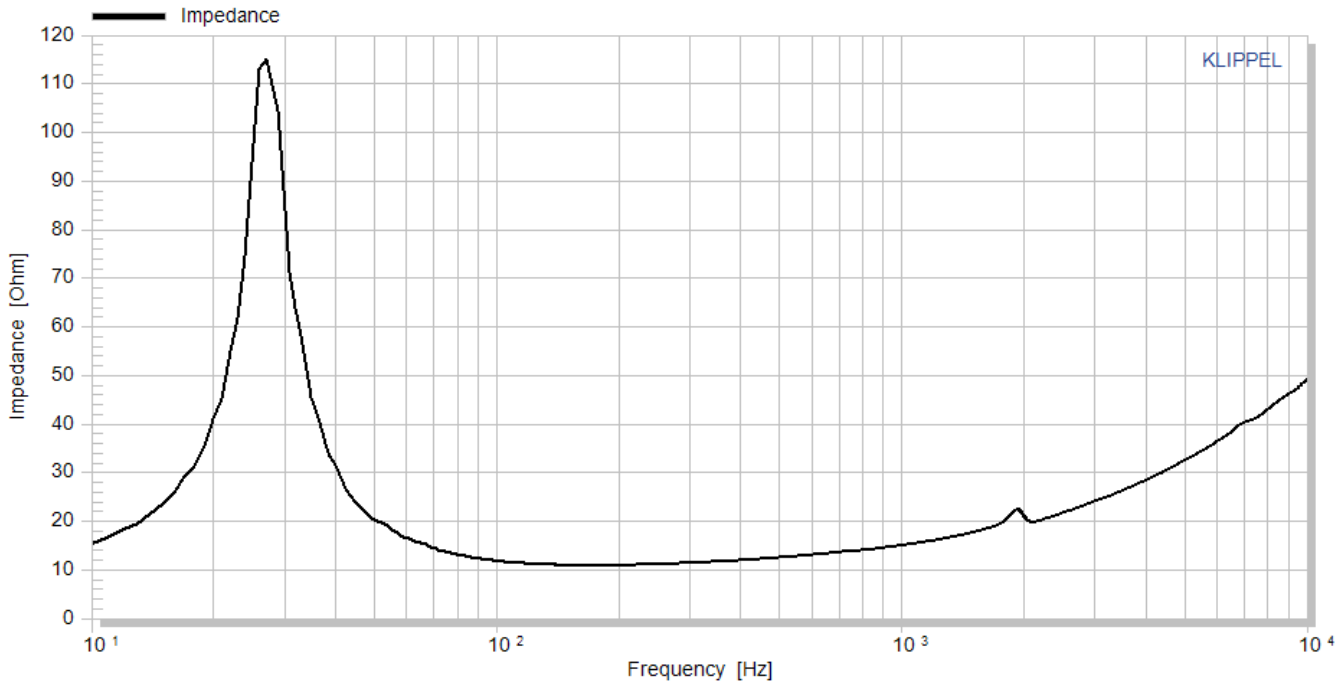
VOICE COIL PARAMETERS

Specification		Value	Unit
Power handling	P	250	W
Linear excursion	Xmax	+/-8	mm
Voice coil diameter		47	mm
Voice coil former material		Ti	
Voice coil material		CCAW	
Voice coil inductance	Le	1.0	mH
Force factor	Bl	12.1	N/A
Motor type		Overhung	
Ferrofluid filling		No	

FREQUENCY RESPONSE [DB]



IMPEDANCE [OHM]



HARMONIC DISTORSION[%]