



## **C173-6-090 CERAMIC MIDRANGE**

### **HIGHLIGHTS**

7 inch midrange with tissue surround with high efficiency for 3 way designs.

Large sized voice coil with 55mm titanium voice coil former for high midrange resolution.

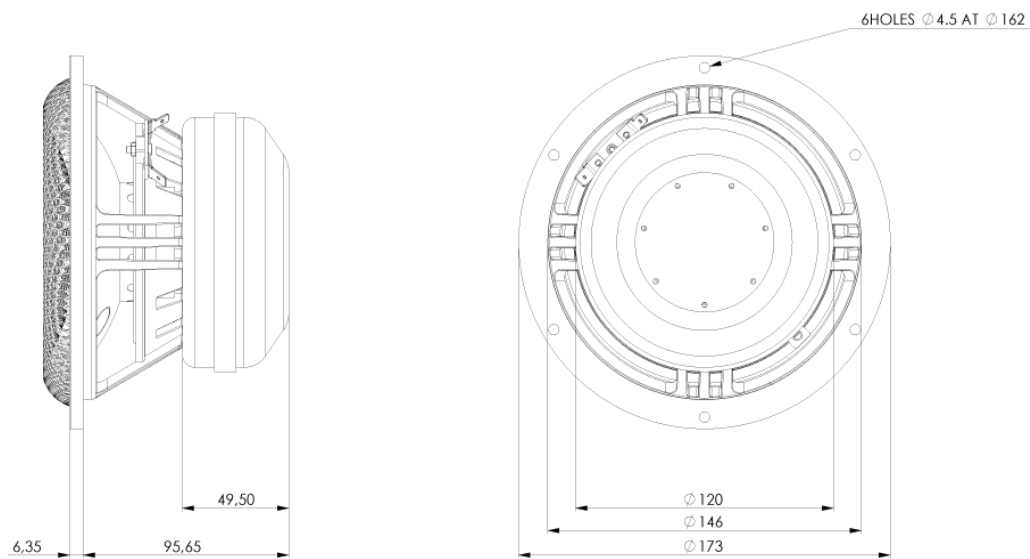
Big underhung 120mm Neodymium magnet system for very low distortion.

Anti-resonant cutout fills in the ceramic dome provide high damping of the 5 kHz dome resonance.

### **CLOSED BOX DESIGN PARAMETERS**

Vb: 2L, -13dB @ 80Hz, F-3dB: 160Hz, Q: 0.71 (typical)

Vb: 4.5L, -10dB @ 80Hz, F-3dB: 170Hz, Q: 0.50 (clean transient response)



Domematerial	Keramik
Application	Mitteltöner
Overall diameter	173 MM
Cutout Diameter/Square	146 MM
Overall depth	102 MM
Motor assembly depth	49.5
Motor assembly diameter	120

## MAIN FEATURES

Special Dome Cutouts  
 55 mm Titanium VC Former  
 Soft Fabrics Surround  
 Vented VC, Pole Piece & Spider  
 underhung motor design  
 80HZ - 3.2 KHZ in closed Box

## MECHANICAL DATA

Specification	Value	Unit
Overall diameter	173	mm
Cutout Diameter/Square	146	mm
Min. frontplate thickness	6.35	mm
Overall depth	102	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)	8.8	Kg
Shipping box size (pair)	210/140/210	mm

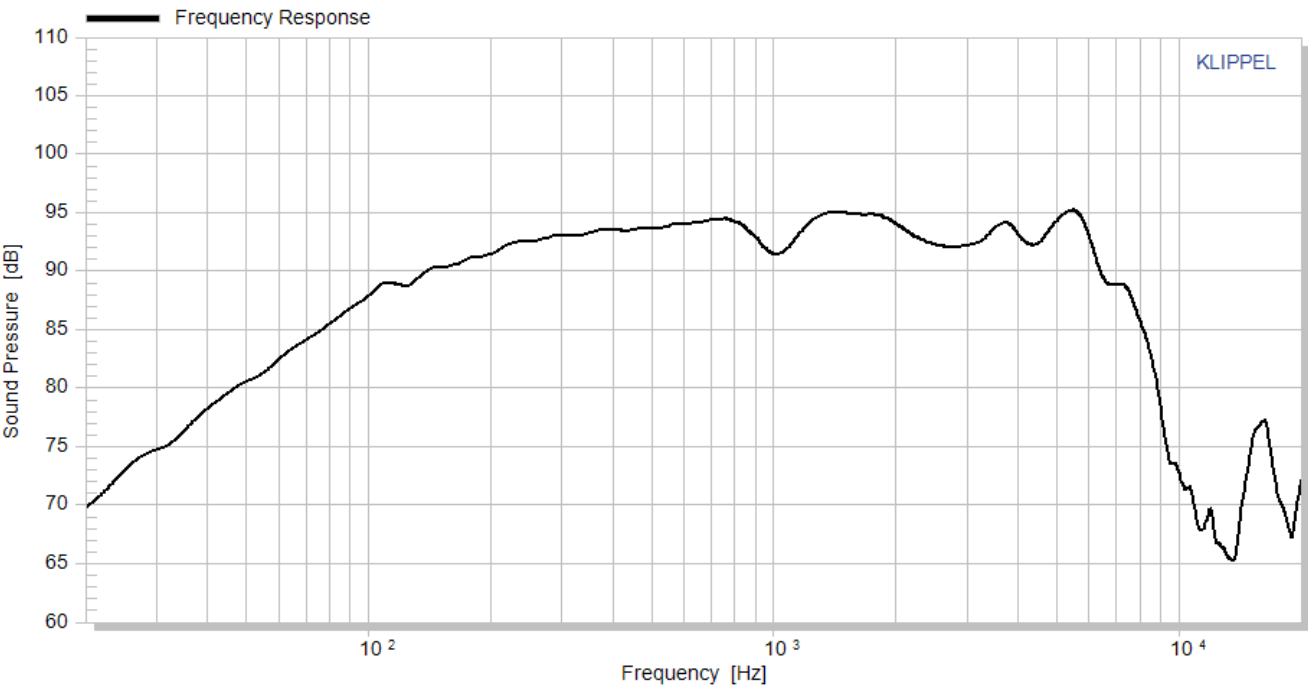
## THIELE/SMALL PARAMETERS

Specification		Value	Unit
Sensitivity (2.83V / 1m)	Spl	93	dB
DC-resistance	Re	6.39	Ohm
Resonance frequency	Fs	72	Hz
Equivalent volume of air	Vas	15.5	ltr
Mechanical Q	Qms	3.35	
Electrical Q	Qes	0.29	
Total Q	Qts	0.26	
Effective piston area	Sd	133	Cm2
Moving mass	Mms	15.0	g
Suspension compliance	CMs	0.4	mm/n
Mechanical resistance	Rms	1.86	Kg*s

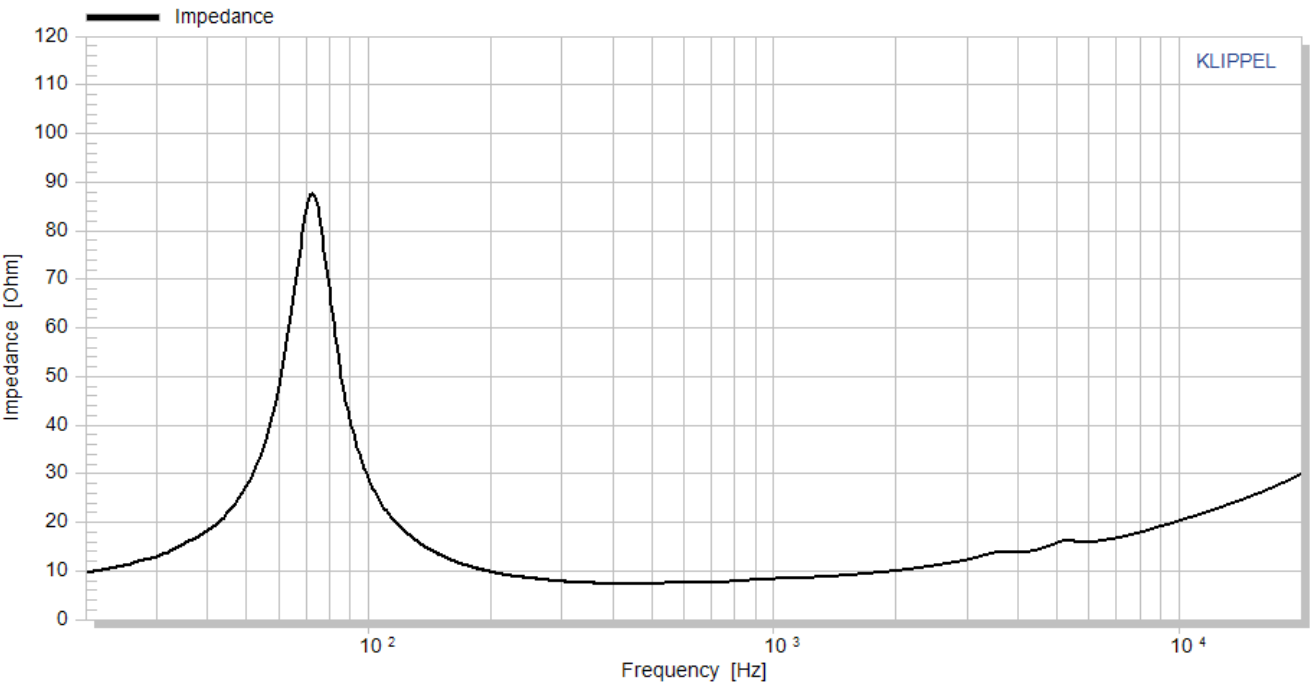
VOICE COIL PARAMETERS

Specification		Value	Unit
Power handling	P	120	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	0.32	mH
Force factor	Bl	11.8	N/A
Motor type		Underhung	
Ferrofluid filling		No	

FREQUENCY RESPONSE [DB]



# IMPEDANCE [OHM]



# HARMONIC DISTORSION [%]

