C90-6-089
Bass - midrange driver

DOMEMATERIAL:	CERAMIC
APPLICATION:	BASS - MIDRANGE
NOMINAL DIAMETER:	130 mm
SENSITIVITY:	89.5 dB

MAIN FEATURES :

OVERHUNG MOTOR DESIGN

38 MM TITANIUM VC FORMER

SOFT RUBBER SURROUND

VENTED POLE PIECE & SPIDER

70 HZ - 3 KHZ IN VENTED BOX

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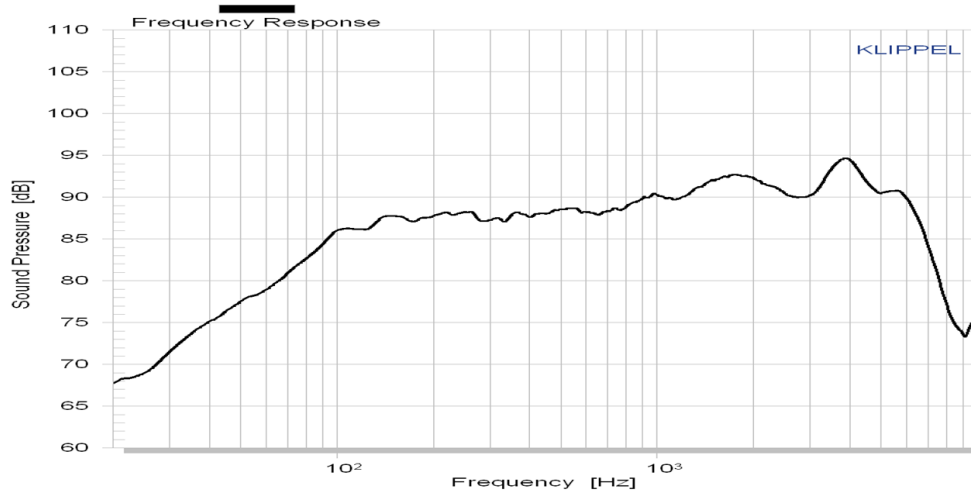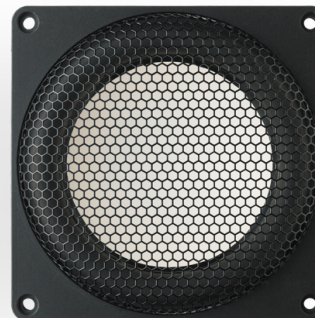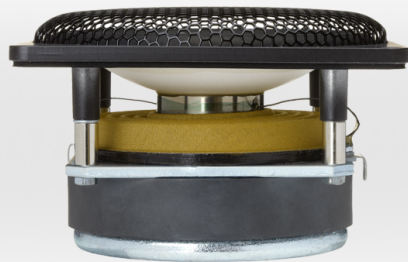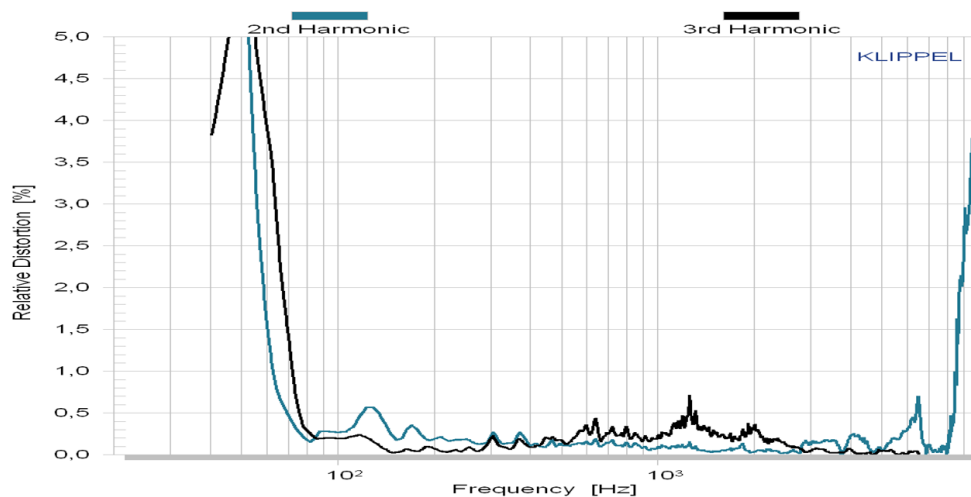
The **C90 - 6 - 089** is a 5 inch midrange driver with ultra hard ceramic dome.

A FEA optimized overhung motor design with 38 mm titanium voice coil former guarantees very low energy storage and good heat transfer.

The low loss rubber surround and a thin fabric spider center the moving parts with high linearity.

We recommend a bass - midrange application from 70 Hz – 3000 Hz.

Frequency Response

Impedance

2nd Harmonic   3rd Harmonic

4 HOLES ⌀4.5 AT □116

R33 ⌀102 110 130 R7

32

6,50 65
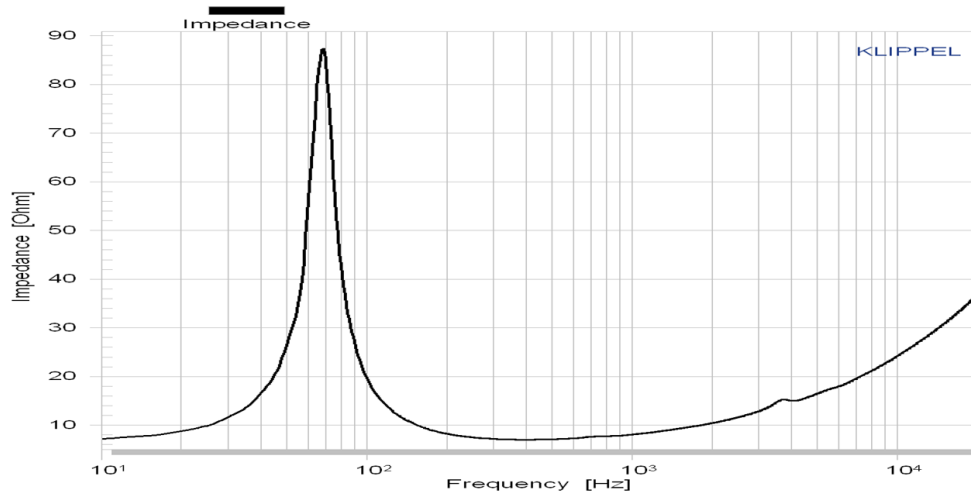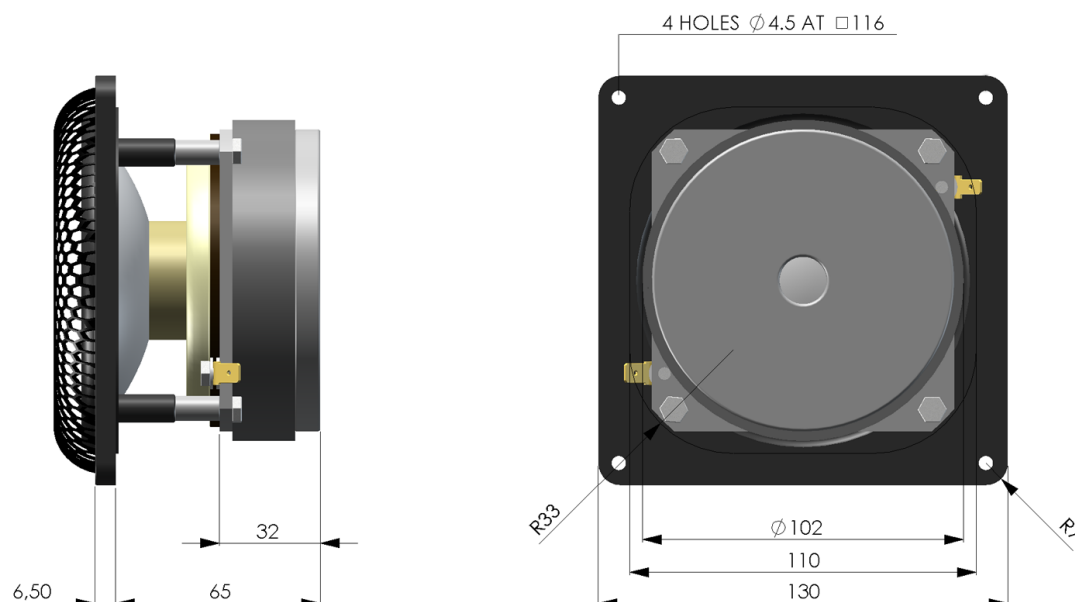
Mechanical data

Overall diameter	130	mm
Cutout hole square	111	mm
Frontplate depth	6.5	mm
Overall depth	64.5	mm
Motor assembly diameter	102	mm
Motor assembly depth	32	mm
Screw fitting	DIN 7984, 4mm	
Terminal	+ : 6.3 x 0.8 / – : 6.3 x 0.8	mm
Shipping weight / net weight (one piece)	2.0 / 1.8	kg
Shipping size (pair)	180 / 180 / 240	mm

Thiele/Small Parameters

Sensitivity (2.83V / 1m)	Lp	89.5*	dB
DC-resistance	Re	6.4	Ohm
Resonance frequency	Fs	72	Hz
Equivalent volume of air	Vas	5.1	L
Mechanical Q	Qms	7	
Electrical Q	Qes	0.52	
Total Q	Qts	0.48	
Effective piston area	Sd	83	cm²
Moving mass	Mms	9.4	g
Suspension compliance	Cms	0.52	mm/N
Mechanical resistance	Rms	0.61	kg x s

Voice Coil data

Power handling	P	120*	Watt
Linear excursion	Xmax	+/- 4	mm
Voice coil diameter		38	mm
Voice coil former material		Ti	
Voice coil material		Cu	
Voice coil inductance	Le	0.41	mH
Force factor	Bl	7.3	N/A
Motor type		Overhung	
Ferrofluid filling		no	

* Please refer to www.accuton.com for exact measurement conditions and further information.