

AS190-9-252

Bass driver

DOMEMATERIAL: ALUMINUM SANDWICH
APPLICATION: BASS
NOMINAL DIAMETER: 190 mm
SENSITIVITY: 85 dB

MAIN FEATURES :

FULL FEATURED CELL CONCEPT

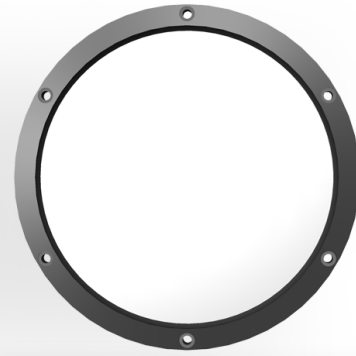
IDEAL ACOUSTICAL CENTER

NO COMPRESSION DESIGN

PROPRIETARY MOTOR SYSTEM

30 HZ - 1 KHZ IN VENTED BOX

CELL[®]
CONCEPT DRIVER



The **AS190-9-252** is an 8 inch bass driver with **aluminum 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.

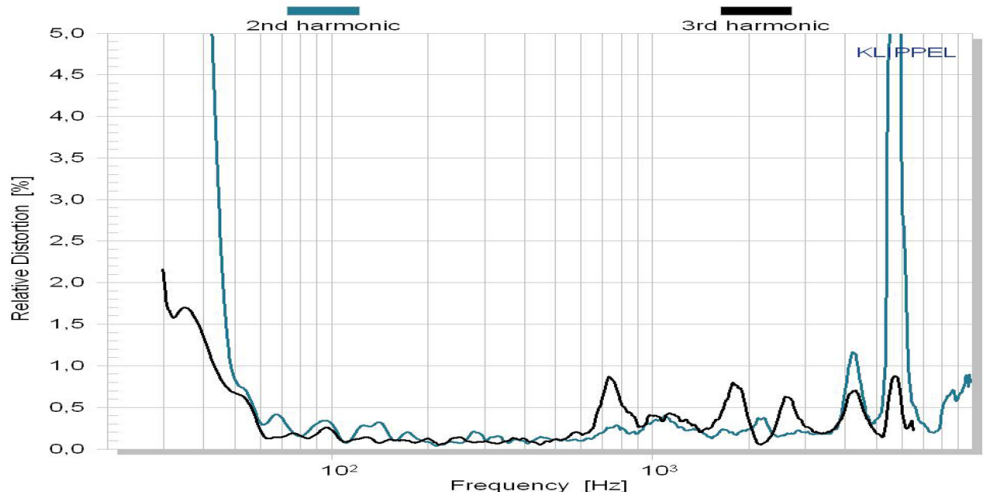
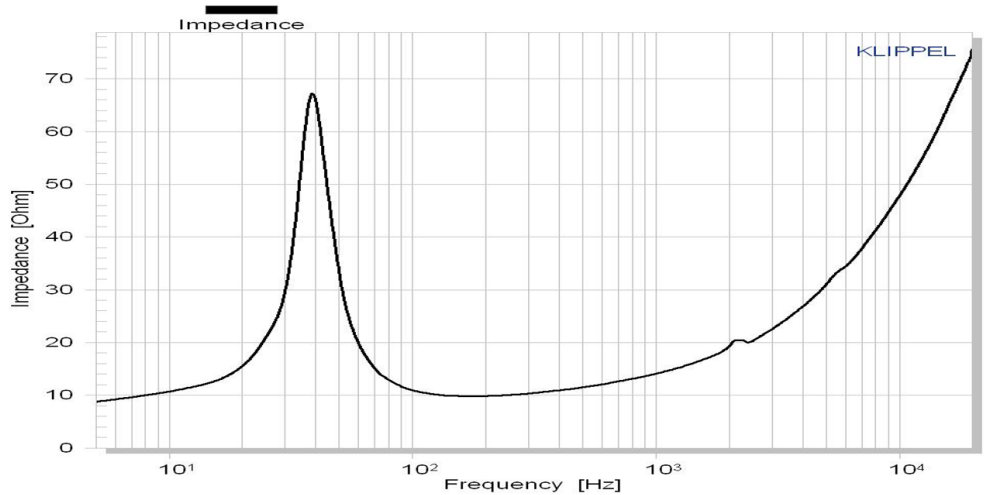
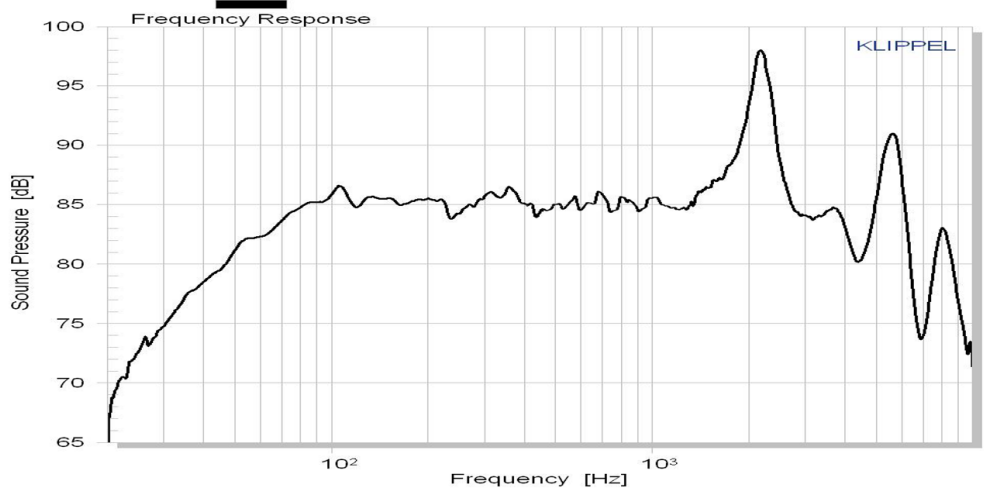
Its **novel designed overhung motor** combines the advantages of traditional over- and underhung designs, delivering high linear excursion and ultra low distortion.

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 **AS190-9-252** for an application from 30 Hz – 1000 Hz.

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Thiel & Partner GmbH

Rommerskirchenerstrasse 21 50259 Pulheim

T +49 (0) 2238 / 475475

dirk.vaehsen@accuton.com



AS190-9-252
Bass driver



recommended cutout diameter: 191

Mechanical data

Overall diameter	190	mm
Cutout diameter	167	mm
Frontplate depth	16	mm
Overall depth	135.5	mm
Motor assembly diameter	156	mm
Motor assembly depth	52	mm
Screwfitting	DIN 7984, 4mm	
Terminal	+ : 6.3 x 0.8 / - : 4.8 x 0.8	mm
Shipping weight / net weight	16 / 15.5	kg
Shipping box size	245 / 220 / 245	mm

Thiele/Small Parameters

Sensitivity (2.83V / 1m)	E	85*	dB
DC-resistance	Re	9	Ohm
resonance frequency	Fs	39	Hz
equivalent vol. of air	Vas	20	L
mechanical Q	Qms	5	
electrical Q	Qes	0.48	
total Q	Qts	0.45	
effective piston area	Sd	202	cm ²
moving mass	Mms	48	g
suspension compl.	Cms	0.35	mm/N
mechanical resistance	Rms	2.3	kg x s

Voice Coil data

Power handling	P	250*	Watt
Linear excursion	Xmax	+/- 9	mm
Voice coil diameter		78	mm
Voice coil former material		Ti	
Voice coil material		CCAW	
Voice coil inductance	Le	0.6	mH
Force factor	Bl	13.6	N/A
Motor type		Overhung	
Ferrofluid filling		no	

* See www.accuton.com for exact measurement conditions.

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Thiel & Partner GmbH Rommelskirchenerstrasse 21 50259 Pulheim T +49 (0) 2238 / 475475 dirk.vaehsen@accuton.com