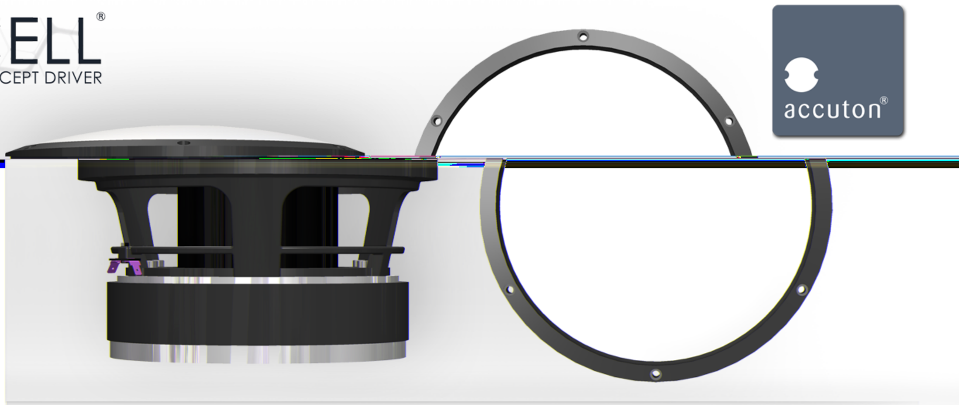
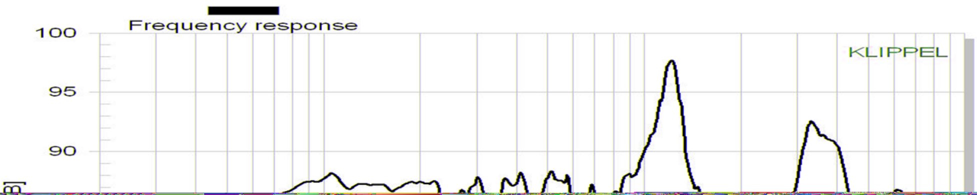
AS250-8-552

Bass driver

DOME MATERIAL: ALUMINUM SANDWICH
APPLICATION: BASS
NOMINAL DIAMETER: 250 mm
SENSITIVITY: 87 dB





FEATURES:

- FEATURED CELL CONCEPT
- L ACOUSTICAL CENTER
- COMPRESSION DESIGN
- PROPRIETARY MOTOR SYSTEM
- 20 HZ - 600 HZ IN VENTED BOX

The **AS250-8-552** is an 11 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 **AS250-8-552** for an application from 20 Hz – 600 Hz.

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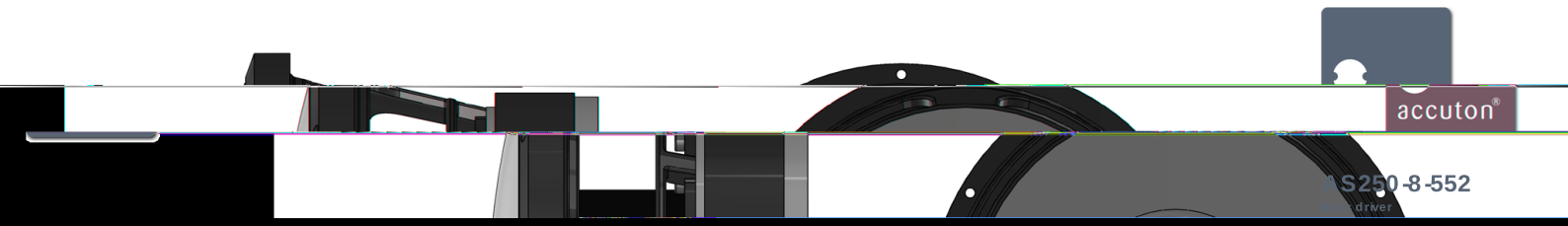

Mechanical data

Overall diameter	250	mm
Cutout diameter	227	mm
Frontplate depth	18	mm
Overall depth	141	mm
Motor assembly diameter	210	mm
Motor assembly depth	56.5	mm
Screw fitting	DIN 7984, 4mm	
Terminal	+ : 6.3 x 0.8 / - : 4.8 x 0.8	mm
Shipping weight / net weight	14 / 14.5	kg
Shipping box size	340 / 230 / 340	mm

Thiele/Small Parameters

Sensitivity (2.83V / 1m)	E	87*	dB
DC-resistance	Re	8	Ohm
resonance frequency	Fs	20	Hz
equivalent vol. of air	Vas	159	L
mechanical Q	Qms	5	
electrical Q	Qes	0.35	
total Q	Qts	0.33	
effective piston area	Sd	382	cm²
moving mass	Mms	88	g
suspension compl.	Cms	0.72	mm/N
mechanical resistance	Rms	2.4	kg x s

Voice Coil data

Power handling	P	300*	Watt
Linear excursion	Xmax	+/- 9	mm
Voice coil diameter		114	mm
Voice coil former material		Ti	
Voice coil material		CU	
Voice coil inductance	Le	0.5	mH
Force factor	Bl	16	N/A
Motor type		Overhung	
Ferrofluid filling		no	

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

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