

## C158-8-085

Bass - midrange driver

DOMEMATERIAL: CERAMIC  
APPLICATION: BASS - MIDRANGE  
NOMINAL DIAMETER: 158 mm  
SENSITIVITY: 89 dB

### MAIN FEATURES :

OVERHUNG MOTOR DESIGN  
25 MM TITANIUM VC FORMER  
SOFT RUBBER SURROUND  
VENTED VC, POLE PIECE & SPIDER  
35 HZ - 3 KHZ IN VENTED BOX

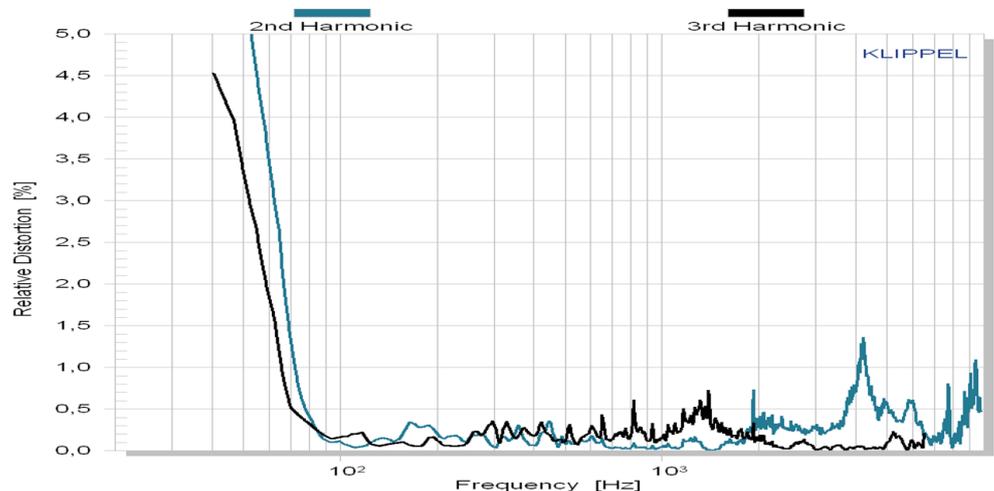
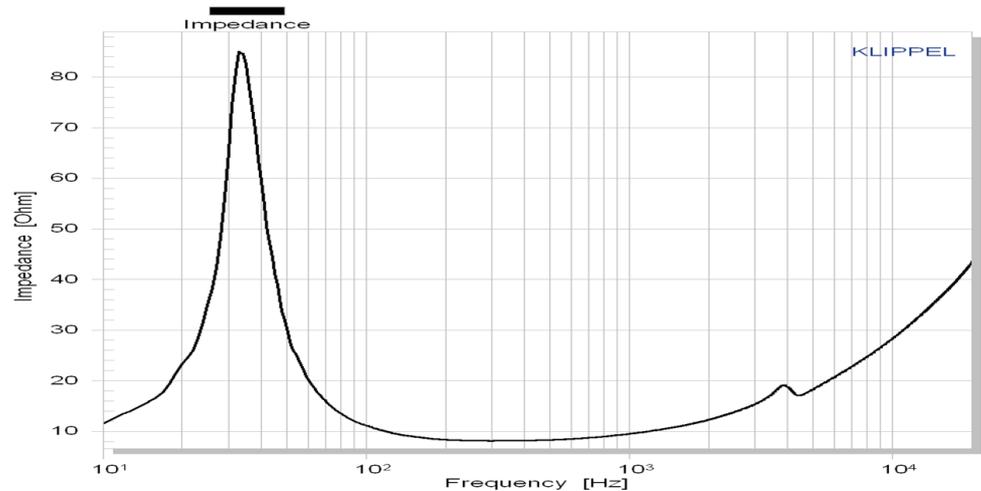
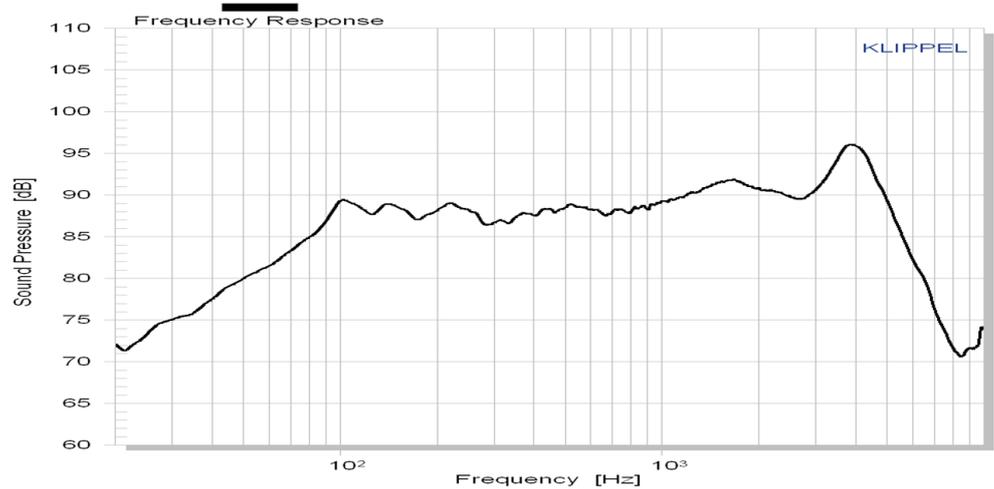


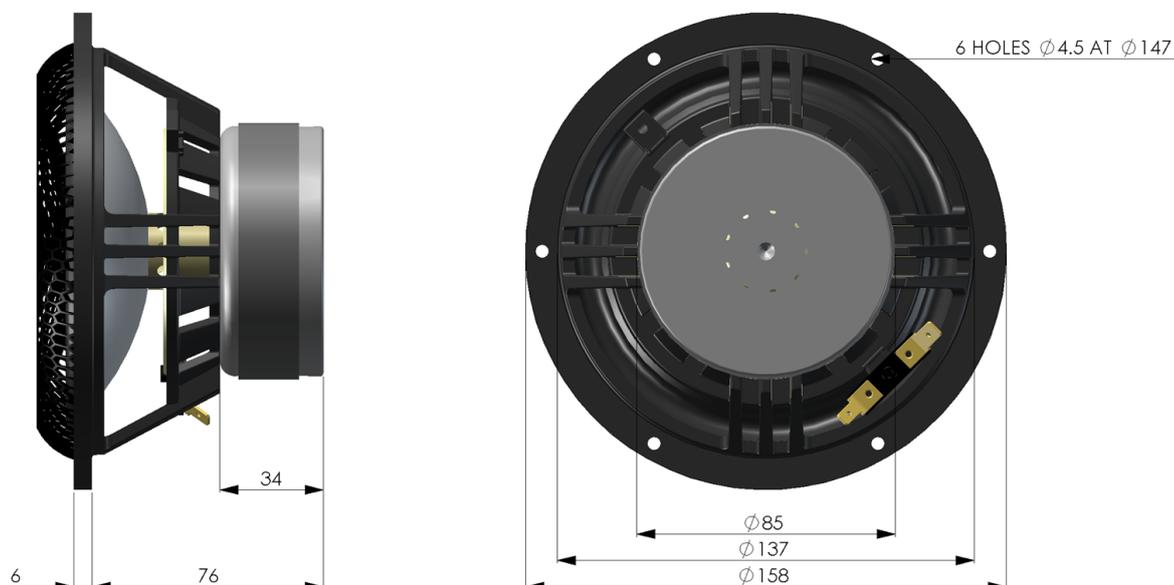
The **C158 - 8 - 085** is a 5.5 inch bass - midrange driver with ultra hard **ceramic dome**.

A **FEA optimized** overhung motor design with 25 mm titanium voice coil former guarantees extraordinary low energy storage and good heat transfer.

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

As a typical small home stereo bass - midrange driver, we recommend our **C158 - 8 - 085** for an application from 35 Hz – 3000 Hz.





Mechanical data		
Overall diameter	158	mm
Cutout diameter	137	mm
Frontplate depth	6	mm
Overall depth	82	mm
Motor assembly diameter	85	mm
Motor assembly depth	34	mm
Screw fitting	DIN 7984, 4mm	
Terminal	+ : 6.3 x 0.8 / - : 4.8 x 0.8	
Shipping weight / net weight	1.75 / 1.65	
Shipping box size	180 / 180 / 240	
		mm

Thiele/Small Parameters			
Sensitivity (2.83V / 1m)	E	89*	dB
DC-resistance	Re	7.8	Ohm
resonance frequency	Fs	33	Hz
equivalent vol. of air	Vas	35	L
mechanical Q	Qms	4.12	
electrical Q	Qes	0.34	
total Q	Qts	0.31	
effective piston area	Sd	113	cm <sup>2</sup>
moving mass	Mms	11.6	g
suspension compl.	Cms	1.89	mm/N
mechanical resistance	Rms	0.53	kg x s

Voice Coil data			
Power handling	P	100*	Watt
Linear excursion	Xmax	+/- 5	mm
Voice coil diameter		25	mm
Voice coil former material		Ti	
Voice coil material		Cu	
Voice coil inductance	Le	0.54	mH
Force factor	Bl	7.5	N/A
Motor type		Overhung	
Ferrofluid filling		no	

\* See [www.accuton.com](http://www.accuton.com) for exact measurement conditions.