

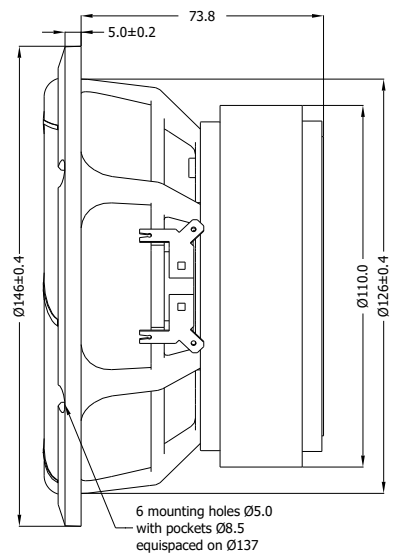
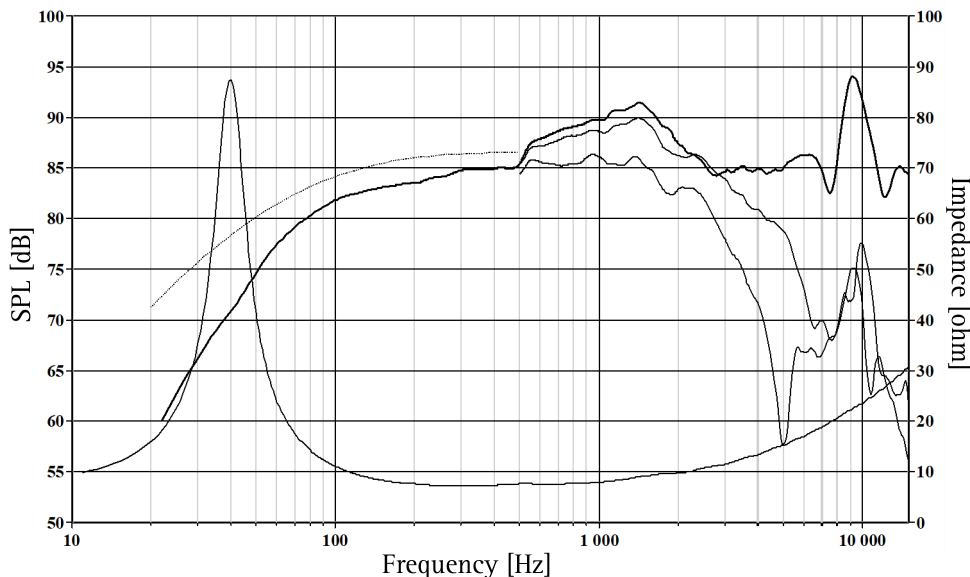
Metamodal TPCD cone is the second generation of the TPCD material which is engineered to have low weight, high stiffness and controlled damping. This is matched to an optimised suspension to give a smooth, extended frequency response.

Titanium voice coil former with a long copper clad aluminium winding for excellent force transfer, transient sound reproduction and large linear excursion.

An FEA optimised magnet system with precisely fitted copper parts for superb linearity, high power handling and low distortion.

The extremely stiff and stable injection moulded metal basket keeps the critical components in perfect alignment. Large windows in the basket both above and below the spider reduce sound reflection, air flow noise and cavity resonance to a minimum.

This combination results in improved clarity and finely detailed sound reproduction, for a more lifelike and realistic listening experience.



The frequency responses above show measured free field sound pressure in 0, 30, and 60 degrees angle using a 10L closed box. Input 2.83 VRMS, microphone distance 0.5m, normalized to SPL 1m. The dotted line is a calculated response in infinite baffle based on the parameters given for this specific driver. The impedance is measured in free air without baffle using a 2V sine signal.

Nominal Impedance	8 Ohms	Voice Coil Resistance	6.4 Ohms
Recommended Frequency Range	20- 4000 Hz	Voice Coil Inductance	0.45 mH
Short Term Power Handling *	300 W	Force Factor	7,9 N/A
Long Term Power Handling *	180 W	Free Air Resonance	40 Hz
Characteristic Sensitivity (2,83V, 1m)	87.3 dB	Moving Mass	13,4 g
Voice Coil Diameter	39 mm	Suspension Compliance	1.19 mm/N
Voice Coil Height	20 mm	Suspension Mechanical Resistance	0.77 Ns/m
Air Gap Height	6 mm	Effective Piston Area	104 cm ²
Linear Coil Travel (p-p)	14 mm	VAS	18 Litres
Maximum Coil Travel (p-p)	22 mm	QMS	4,37
Magnetic Gap Flux Density	1.1 T	QES	0.34
Magnet Weight	0.9 kg	QTS	0.32
Total Weight	2.1 kg		