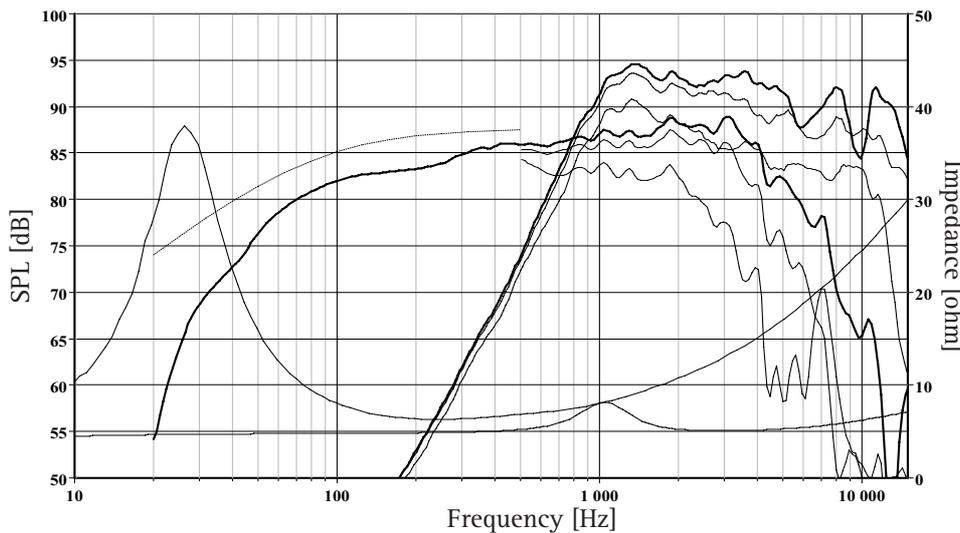


A PP/TPX based cone matches ideally with an adaptive rubber surround. The result is an outstandingly smooth frequency response from the mid woofer.

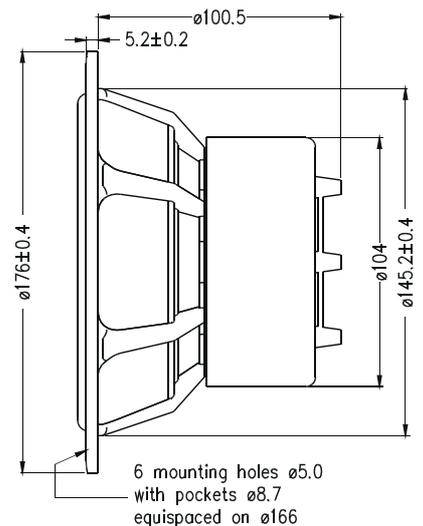
A coaxially arranged precoated fabric dome high frequency unit with a low resonance frequency, integrates with the cone driver to a point source.

The cone of the woofer acts as a horn loading for the tweeter, and the chassis of the dome unit represents the throat of this horn.

A compensation magnet and a shielding cup is mounted on the woofer magnet system to eliminate magnetic stray fields, hence the unit can be used very close to CRT's in audio/video applications.



The frequency responses above show measured free field sound pressure in 0, 30, and 60 degrees angle using a 12L closed box. Input 2.83 V_{RMS}, 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.



	Woofer	Tweeter		Woofer	Tweeter
Nominal Impedance	8 Ohms	6 Ohms	Voice Coil Resistance	6.1 Ohms	4.8 Ohms
Recommended Frequency Range	30-3000 Hz	2000-25000	Voice Coil Inductance	0.79 mH	0.05 mH
Short Term Power Handling *	250 W	220 W	Force Factor	6.8 N/A	2.3 N/A
Long Term Power Handling *	80 W	90 W	Free Air Resonance	26 Hz	1200 Hz
Characteristic Sensitivity (2.83V, 1m)	87 dB	88.5	Moving Mass	13.7 g	0.3 g
Voice Coil Diameter	39 mm	26 mm	Air Load Mass In IEC Baffle	0.76 g	-
Voice Coil Height	12 mm	1.5 mm	Suspension Compliance	2.7mm/N	-
Air Gap Height	6 mm	2.0 mm	Suspension Mechanical Resistance	1.45Ns/m	-
Linear Coil Travel (p-p)	6 mm	0.5 mm	Effective Piston Area	120 cm ²	7 cm ²
Maximum Coil Travel (p-p)	19 mm	-	VAS	52 Litres	-
Magnetic Gap Flux Density	0.87 T	1.2 T	QMS	1.63	-
Magnet Weight	0.84 kg	-	QES	0.31	-
Total Weight	1.91 kg	-	QTS	0.26	-