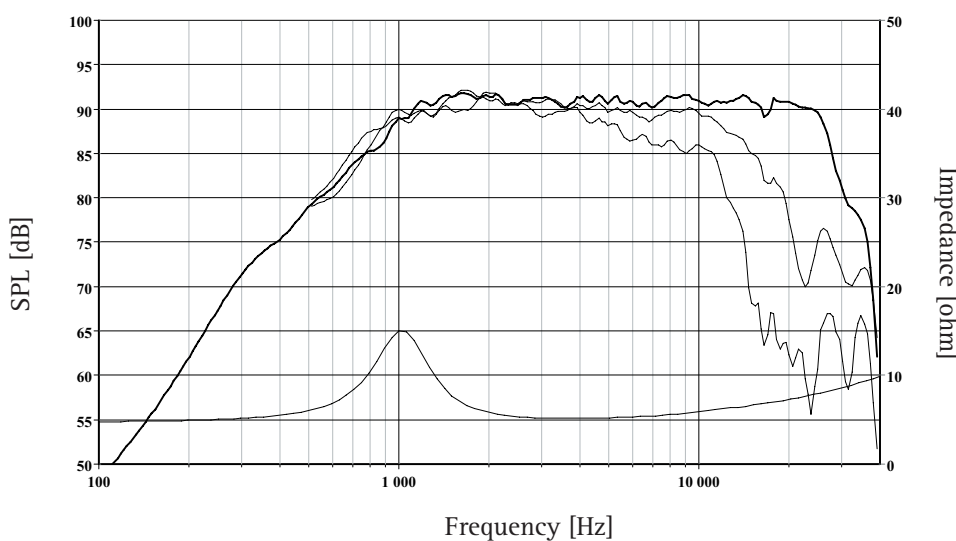
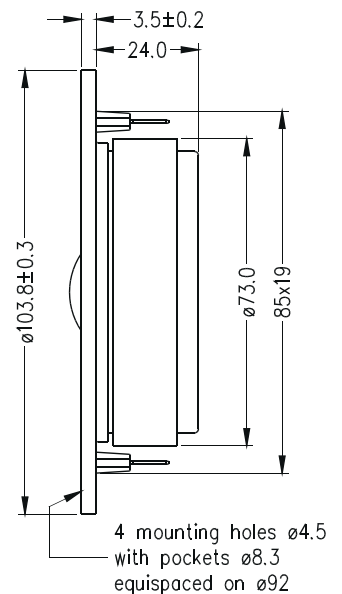


27mm High Fidelity dome tweeter with glass fibre reinforced plastic chassis with optimum acoustic properties. The diaphragm is formed from a precoated lightweight fabric using a unique production method developed by SEAS. The technology gives a vast improvement in consistency compared with other coating methods. Careful matching of fabric and coating results in a very smooth frequency response throughout the audible frequency range and gives a very high degree of stability against changes in air temperature and humidity.

The voice coil is wound on an aluminium voice coil former with ventilating holes which eliminate problems connected with resonances in the internal cavities. The voice coil is immersed in low viscosity magnetic fluid, allowing high power handling capacity and simplified crossover design. Increased volume under the diaphragm by means of well in the polepiece, lowers the resonance frequency.



The frequency responses above show measured free field sound pressure in 0, 30, and 60 degrees, mounted in a 0.6m by 0.8m baffle. Input 2.83 Vrms, microphone distance 0.5m, normalized to SPL 1m. The impedance is measured without baffle using a 2V sine signal.



Nominal Impedance	6 Ohms	Voice Coil Resistance	4.8 Ohms
Recommended Frequency Range	2000 - 25000 Hz	Voice Coil Inductance	0.05 mH
Short Term Power Handling *	220 W	Force Factor	3.5 N/A
Long Term Power Handling *	90 W	Free Air Resonance	1200 Hz
Characteristic Sensitivity (2.83V, 1m)	92 dB	Moving Mass	0.30 g
Voice Coil Diameter	26 mm	Effective Piston Area	7.5 cm <sup>2</sup>
Voice Coil Height	1.5 mm	Magnetic Gap Flux Density	1.8 T
Air Gap Height	2.0 mm	Magnet Weight	0.25 kg
Linear Coil Travel (p-p)	0.5 mm	Total Weight	0.50 kg