W22NX001
E0077-08

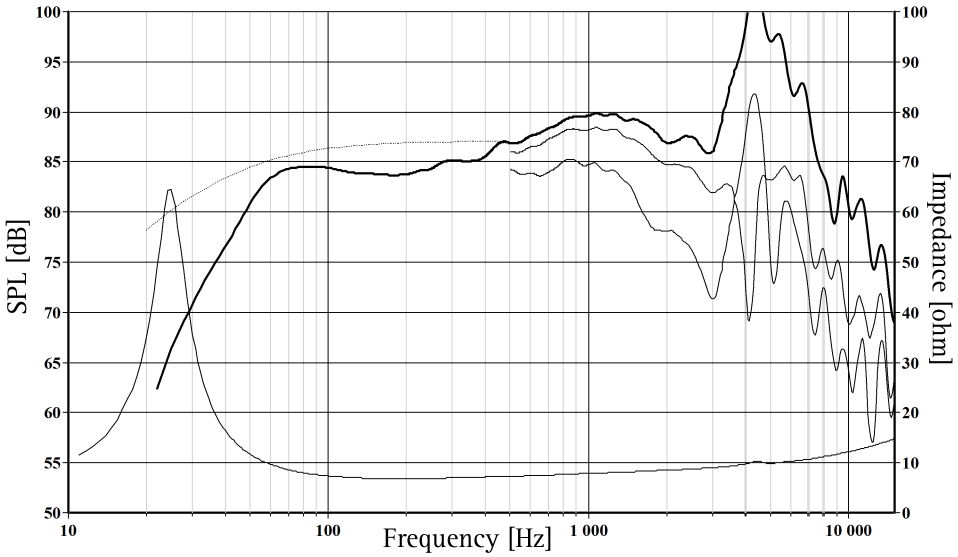
Precision cast, machined and Graphene treated magnesium cone acts as a piston throught the audible frequency band without showing any sign of midrange resonances.

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

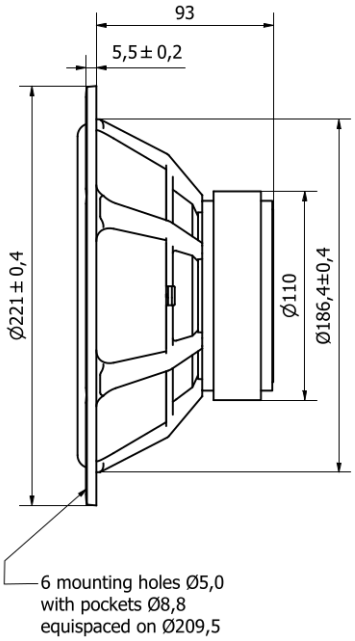
FEA optimised magnet system with precisely fitted copper parts for excellent linearity, high power handling and low distortion.

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.

Gold plated terminals mounted on a glassfibre reinforced plate to reduce contact resistance and improve reliability.



The frequency responses above show measured free field sound pressure in 0, 30, and 60 degrees angle using a 21L 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	6.3 Ohms
Recommended Frequency Range	20 - 2000Hz	Voice Coil Inductance	0.26 mH
Short Term Power Handling *	500 W	Force Factor	8.3 N/A
Long Term Power Handling *	200 W	Free Air Resonance	25 Hz
Characteristic Sensitivity (2,83V, 1m)	87.3 dB	Moving Mass	31.1 g
Voice Coil Diameter	39 mm	Suspension Compliance	1.35 mm/N
Voice Coil Height	20 mm	Suspension Mechanical Resistance	1.15 Ns/m
Air Gap Height	6 mm	Effective Piston Area	220 cm^2
Linear Coil Travel (p-p)	14 mm	VAS	93 Litres
Maximum Coil Travel (p-p)	20 mm	QMS	4.18
Magnetic Gap Flux Density	1.3 T	QES	0.44
Magnet Weight	0.9 kg	QTS	0.39
Total Weight	2.8 kg		

*IEC 268-5

Jul 2024

SEAS reserves the right to change technical data

RoHS compliant product

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