



W18NX001 E0042

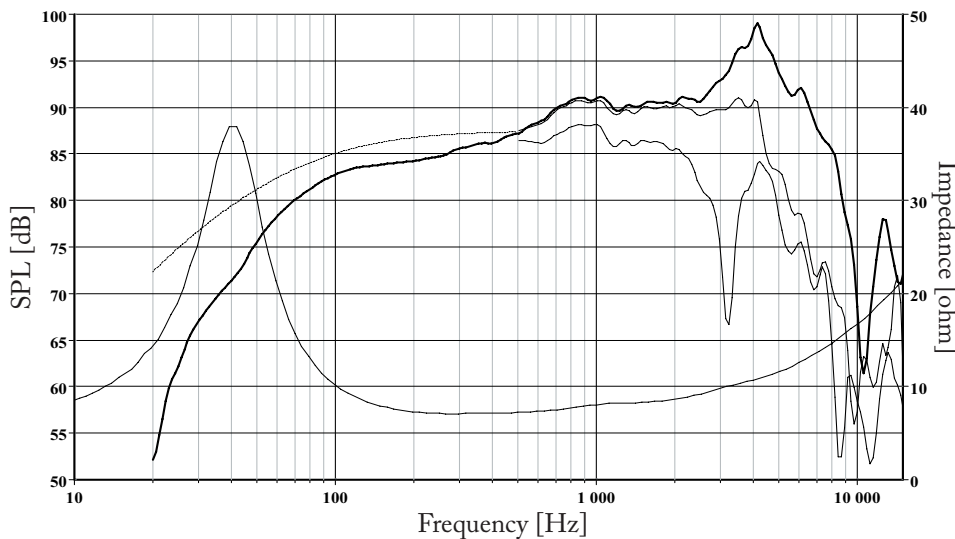
An adaptive rubber surround provides an ideal match to the cone over the total frequency range.

A paper cone with a unique Nextel coating ensures smooth frequency response and low distortion.

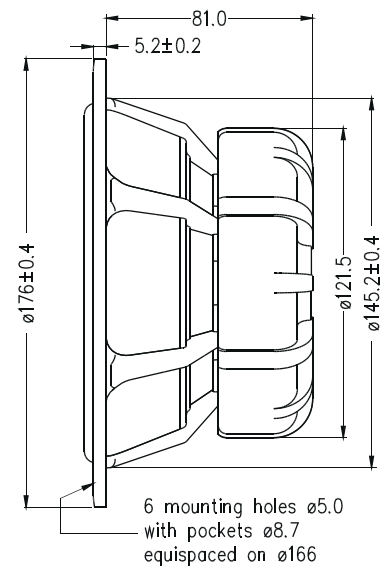
A large magnet system with bumped back plate, together with a very long and light weight CCAW voice coil allow extreme coil excursion with low distortion and excellent transient response.

Heavy copper rings mounted above and below the T-shaped pole piece reduce non linear and modulation distortion and increase overload margin.

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



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 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	30 - 3000 Hz	Voice Coil Inductance	0.43 mH
Short Term Power Handling *	250 W	Force Factor	7.0 N/A
Long Term Power Handling *	80 W	Free Air Resonance	40 Hz
Characteristic Sensitivity (2,83V, 1m)	87.5 dB	Moving Mass	13.7 g
Voice Coil Diameter	39 mm	Air Load Mass In IEC Baffle	0.86 g
Voice Coil Height	20 mm	Suspension Compliance	1.2 mm/N
Air Gap Height	6 mm	Suspension Mechanical Resistance	1.77 Ns/m
Linear Coil Travel (p-p)	14 mm	Effective Piston Area	126 cm ²
Maximum Coil Travel (p-p)	22 mm	VAS	24 Litres
Magnetic Gap Flux Density	1.0 T	QMS	2.08
Magnet Weight	0.64 kg	QES	0.41
Total Weight	2.15 kg	QTS	0.34