

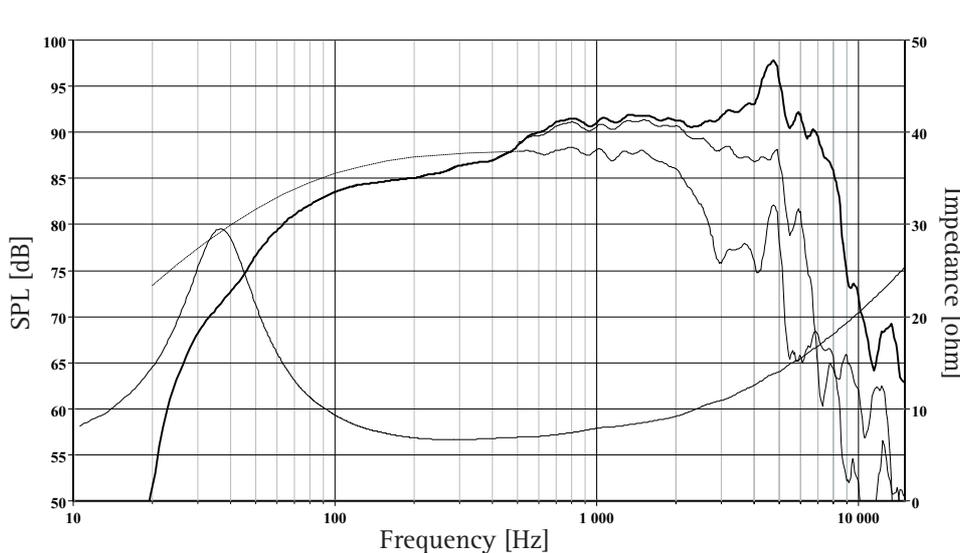
The ER18RNX is an 18 cm (6,5") cone driver, developed for use as a long throw high fidelity woofer or woofer/midrange unit.

An edge coated reed/paper pulp cone which together with the perfectly matched moving parts gives a smooth, extended frequency response.

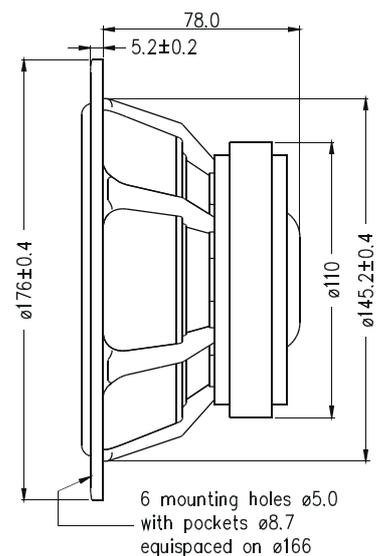
A bumped back plate in the magnet system, together with the very long and light weight copper clad aluminum voice coil, allow extreme coil excursion with low distortion.

A heavy copper ring below the T-shaped pole piece, to reduce non linear and modulation 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.



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.



Nominal Impedance	8 Ohms	Voice Coil Resistance	5.9 Ohms
Recommended Frequency Range	45 - 3000 Hz	Voice Coil Inductance	0.67 mH
Short Term Power Handling *	250 W	Force Factor	7.2 N/A
Long Term Power Handling *	80 W	Free Air Resonance	37 Hz
Characteristic Sensitivity (2,83V, 1m)	88.5 dB	Moving Mass	14.0 g
Voice Coil Diameter	39 mm	Air Load Mass In IEC Baffle	0.92 g
Voice Coil Height	18 mm	Suspension Compliance	1.3 mm/N
Air Gap Height	6 mm	Suspension Mechanical Resistance	2.20 Ns/m
Linear Coil Travel (p-p)	12 mm	Effective Piston Area	136 cm ²
Maximum Coil Travel (p-p)	22 mm	VAS	32 Litres
Magnetic Gap Flux Density	1.0 T	QMS	1.58
Magnet Weight	0.64 kg	QES	0.39
Total Weight	1.91 kg	QTS	0.32