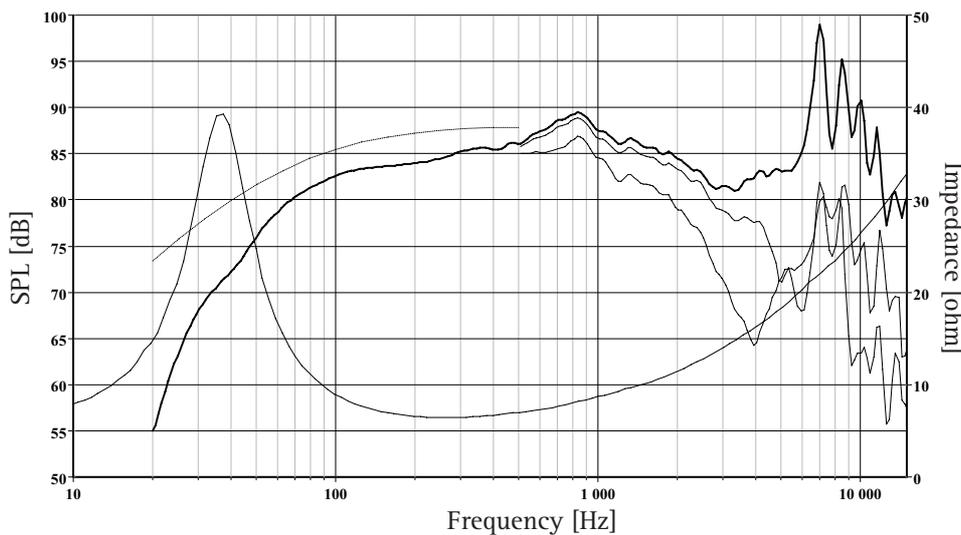
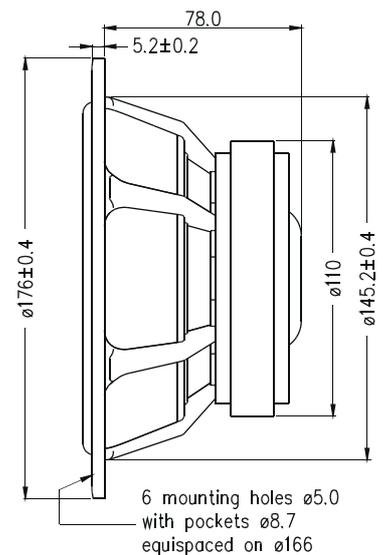


The L18RNX/P is an 18 cm (6,5") cone driver, developed for use as a long throw high fidelity woofer or woofer/midrange unit. The stiff, yet light aluminum cone and the low loss rubber surround show no sign of the familiar 500-1500 Hz cone edge resonance and distortion associated with soft cones. On the other hand, the cone break up modes at higher frequencies call for special attention in the crossover design work. The large magnet system gives good transient response, and the bumped back plate together with the very long, and light weight copper clad aluminum voice coil allow for extreme coil excursion with 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.



The frequency responses above show measured free field sound pressure in 0, 30, and 60 degrees angle using a 20L 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	5.8 Ohms
Recommended Frequency Range	40 - 2500 Hz	Voice Coil Inductance	1.06 mH
Short Term Power Handling *	250 W	Force Factor	7.2 N/A
Long Term Power Handling *	100 W	Free Air Resonance	36 Hz
Characteristic Sensitivity (2,83V, 1m)	88 dB	Moving Mass	13.6 g
Voice Coil Diameter	39 mm	Air Load Mass In IEC Baffle	0.82 g
Voice Coil Height	18 mm	Suspension Compliance	1.4 mm/N
Air Gap Height	6 mm	Suspension Mechanical Resistance	1.56 Ns/m
Linear Coil Travel (p-p)	12 mm	Effective Piston Area	126 cm ²
Maximum Coil Travel (p-p)	22 mm	VAS	30 Litres
Magnetic Gap Flux Density	1.0 T	QMS	2.09
Magnet Weight	0.64 kg	QES	0.36
Total Weight	1.92 kg	QTS	0.31