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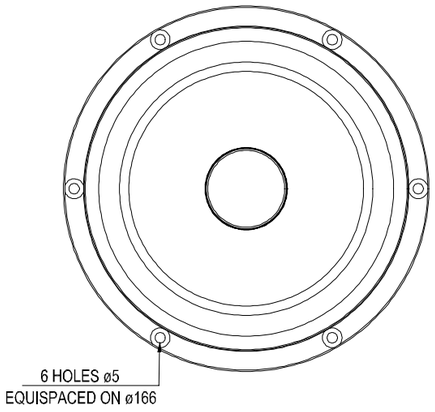
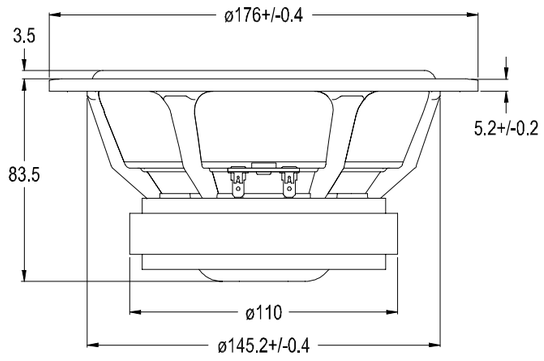
OF NORWAY

H1224

WOOFER L18RNX/P

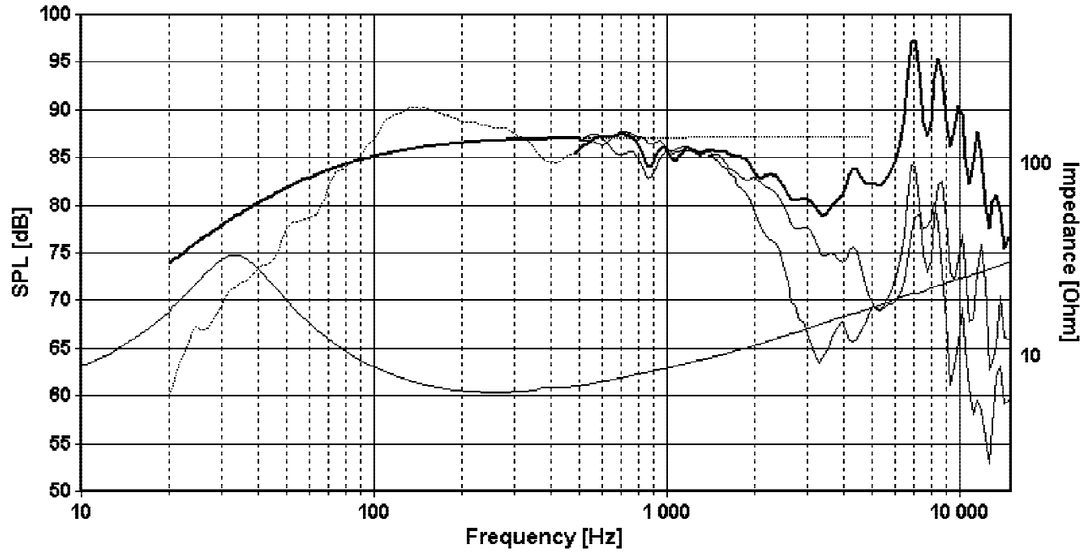




The L18RNX/P is an 18 cm (6,5") cone driver, developed for use as a long throw high fidelity woofer or woofer/midrange unit.
The stiff, yet light aluminum cone and the low loss rubber surround show no sign of the familiar 500-1500 Hz cone edge resonance and distortion associated with soft cones. On the 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.

NOTES

The frequency responses below show measured free field sound pressure in 0, 30, and 60 degrees angle using a standard baffle (IEC 268-5). Input 2.83 Volts RMS, microphone distance 1m.
The solid line under 500 Hz is a calculated response for an infinite baffle based on the parameters given for this specific driver. The impedance is measured in free air without baffle.



NOMINAL IMPEDANCE	8	Ohms	VOICE COIL RESISTANCE	6.1	Ohms
RECOMMENDED FREQUENCY RANGE	40-2500	Hz	VOICE COIL INDUCTANCE (EQUIVALENT)	1.0	mH
SHORT TERM MAXIMUM POWER *	250	W	FORCE FACTOR	6.7	N/A
LONG TERM MAXIMUM POWER *	100	W	FREE AIR RESONANCE	33	Hz
CHARACTERISTIC SENSITIVITY (1W,1m)	87	dB SPL	MOVING MASS	14	g
			AIR LOAD MASS IN IEC BAFFLE	0.8	g
			SUSPENSION COMPLIANCE	1.7	mm/N
VOICE COIL DIAMETER	39	mm	SUSPENSION MECHANICAL RESISTANCE	1.6	Ns/m
VOICE COIL HEIGHT	18	mm	EFFECTIVE PISTON AREA	126	sq.cm
AIR GAP HEIGHT	6	mm			
LINEAR COIL TRAVEL (p-p)	12	mm			
MAXIMUM COIL TRAVEL (p-p)	22	mm	VAS	35 Litres	
MAGNETIC GAP FLUX DENSITY	1.0	T	QMS	1.89	
MAGNET WEIGHT	0.64	Kg	QES	0.42	
TOTAL WEIGHT	1.92	Kg	QTS	0.34	

* = IEC 268-5