seas

OF NORWAY

H1085

WOOFER

L18RCY/P

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 below 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.
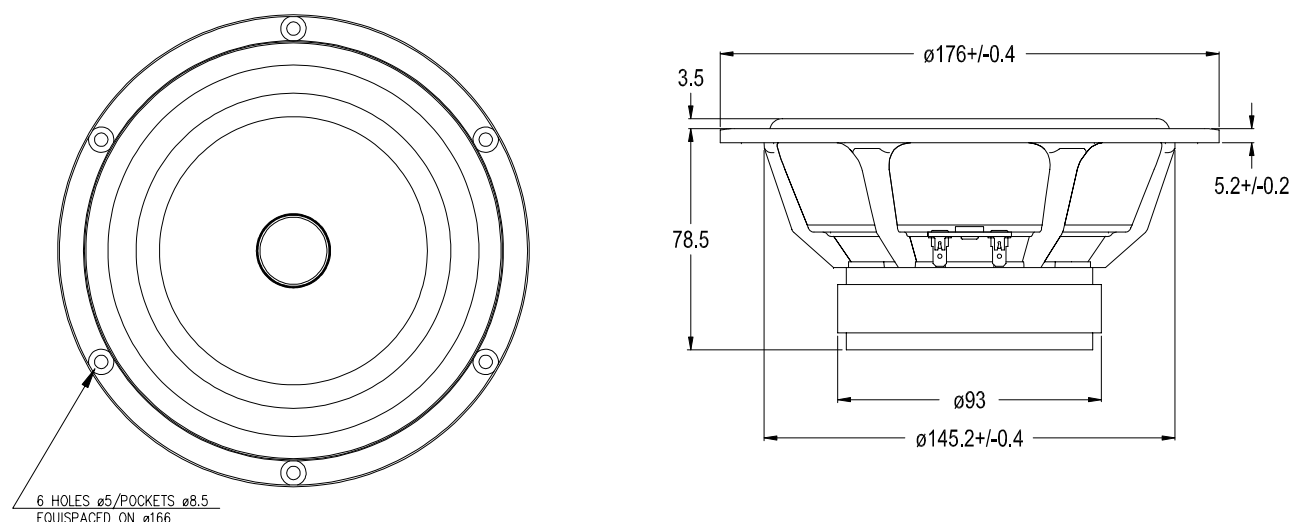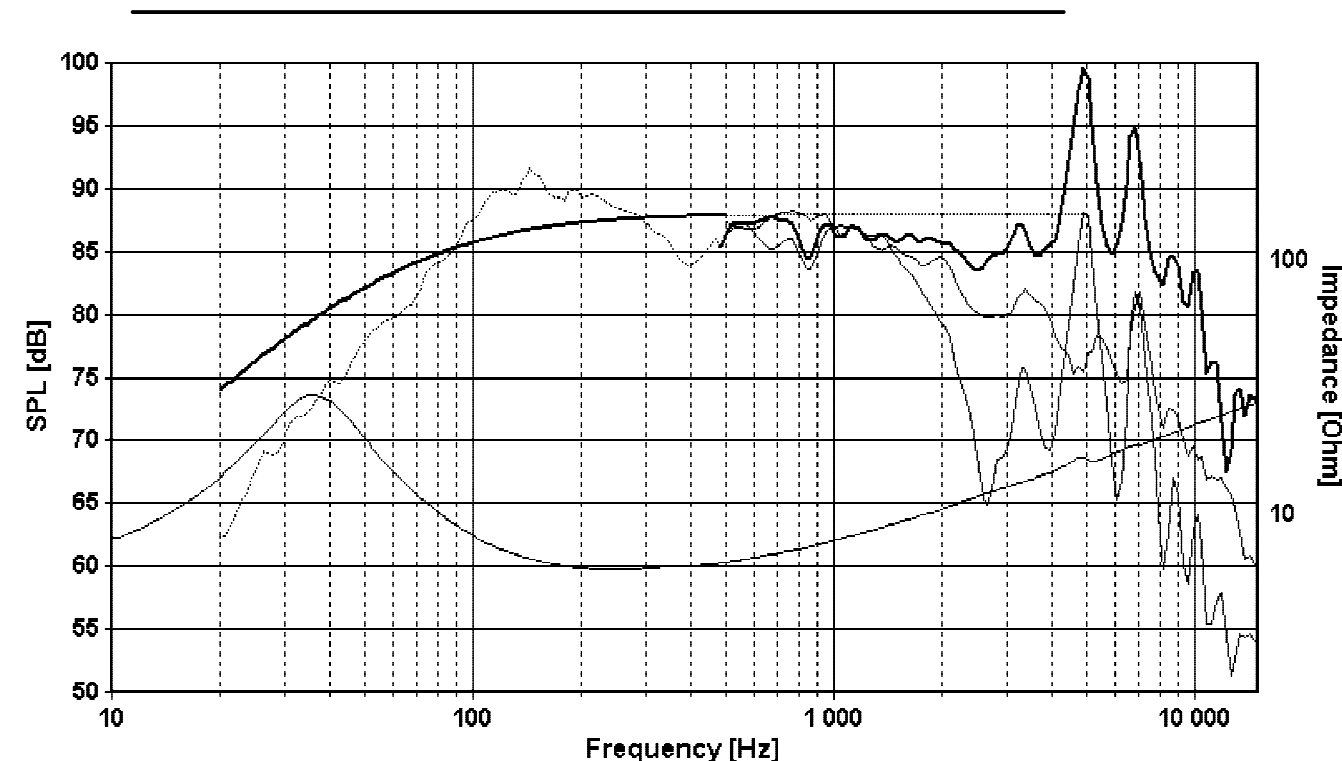

L18RCY/P is a 6,5" High Fidelity woofer with an injection moulded metal chassis, intended for bass reflex and transmission line designs. The stiff, yet light aluminum cone and the low loss rubber surround show no sign of the familiar 500-1500 Hz cone edge resonance and distortion assosiated with soft cones. On the other hand, the cone break up modes at higher frequencies call for special attention in the crossover design work. A high temperature voice coil wound on an aluminum voice coil former gives a high power handling capacity. The phase plug reduces compression due to temperature variations in the voice coil, eliminates resonances that would occur in the volume between the dust cap and the pole piece and increases the power handling capacity. The large magnet system provides high efficiency and low Q.

NOMINAL IMPEDANCE	8	Ohms	VOICE COIL RESISTANCE	5.6	Ohms
RECOMMENDED FREQUENCY RANGE	35-2500	Hz	VOICE COIL INDUCTANCE (EQUIVALENT)	0.9	mH
SHORT TERM MAXIMUM POWER *	250	W	FORCE FACTOR	6.4	N/A
LONG TERM MAXIMUM POWER *	80	W	FREE AIR RESONANCE	35	Hz
CHARACTERISTIC SENSITIVITY (1W , 1m)	88	dB SPL	MOVING MASS	12.4	g
			AIR LOAD MASS IN IEC BAFFLE	0.8	g
			SUSPENSION COMPLIANCE	1.7	mm/N
VOICE COIL DIAMETER	26	mm	SUSPENSION MECHANICAL RESISTANCE	1.7	Ns/m
VOICE COIL HEIGHT	14	mm	EFFECTIVE PISTON AREA	125	sq.cm
AIR GAP HEIGHT	6.0	mm			
LINEAR COIL TRAVEL (p-p)	8.0	mm			
MAXIMUM COIL TRAVEL (p-p)	16	mm	VAS	34 Litres	
MAGNETIC GAP FLUX DENSITY	1.25	T	QMS	1.73	
MAGNET WEIGHT	0.42	Kg	QES	0.4	
TOTAL WEIGHT	1.42	Kg	QTS	0.32	

* = IEC 268-5

NOTES