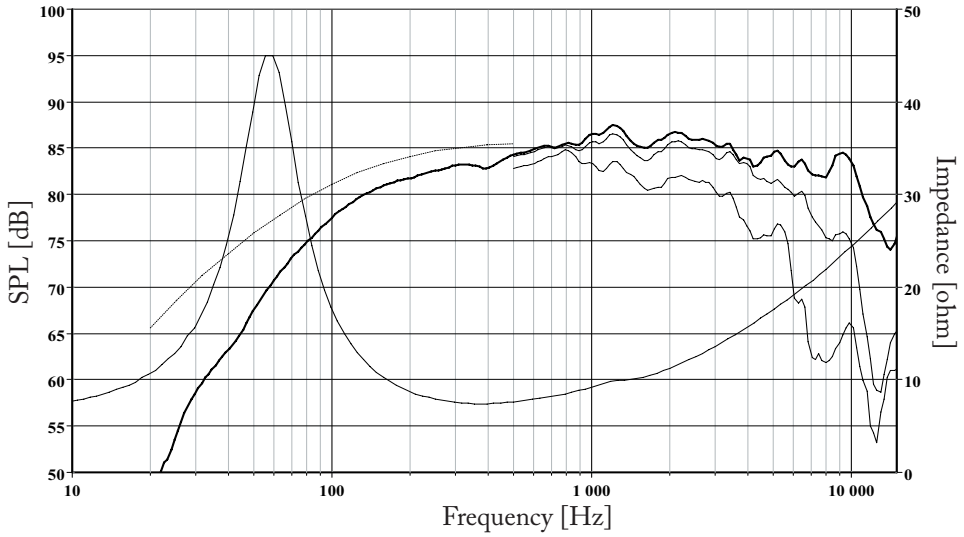
CA12RCY
H1152

Natural rubber surround and handcoated paper cone with coated fabric dust cap, reduce resonances and distortion.

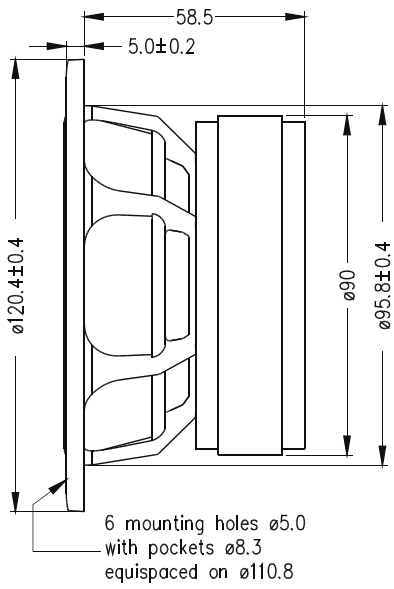
A large magnet system and a symmetrical driving force accomplished through a special coil winding technique for the voice coil give an excellent linearity.

A very large magnet system provides a reasonable efficiency and a low Q.

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 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 2.5L 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	6.4 Ohms
Recommended Frequency Range	45 - 5000 Hz	Voice Coil Inductance	1.05 mH
Short Term Power Handling *	200 W	Force Factor	6.35 N/A
Long Term Power Handling *	60 W	Free Air Resonance	57 Hz
Characteristic Sensitivity (2.83V, 1m)	86 dB	Moving Mass	6.1 g
Voice Coil Diameter	26 mm	Air Load Mass In IEC Baffle	0.24 g
Voice Coil Height	12/8 mm	Suspension Compliance	1.3 mm/N
Air Gap Height	6 mm	Suspension Mechanical Resistance	1.04 Ns/m
Linear Coil Travel (p-p)	6 mm	Effective Piston Area	55 cm^2
Maximum Coil Travel (p-p)	9 mm	VAS	5 Litres
Magnetic Gap Flux Density	1.15 T	QMS	2.17
Magnet Weight	0.42 kg	QES	0.36
Total Weight	0.66 kg	QTS	0.31