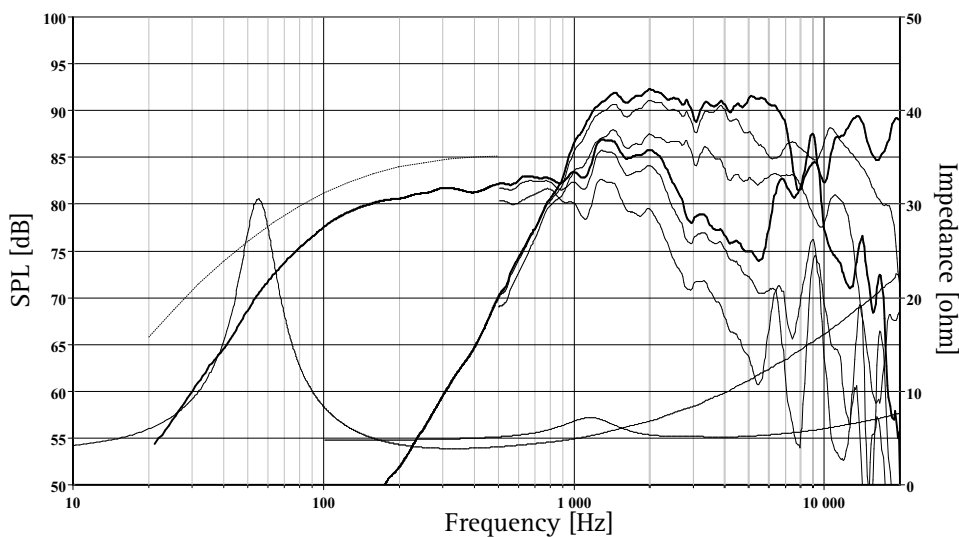


The L12RE/XFC is a coaxial loudspeaker providing high quality sound in a very compact format.

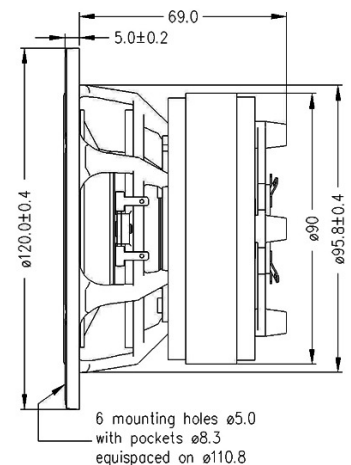
The coaxially arranged precoated fabric dome high frequency unit has a low resonance frequency, and integrates with the cone driver to a point source. Voice coil windings immersed in magnetic fluid increase short term power handling capacity and reduce the compression at high power levels

The cone of the woofer acts as a moderate horn loading for the tweeter, and the chassis of the dome unit represents the throat of this horn.

The stiff, yet light aluminum cone acts as a piston throughout the recommended frequency range.



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.



	Woofer	Tweeter		Woofer	Tweeter
Nominal Impedance	4 Ohms	6 Ohms	Voice Coil Resistance	3.1 Ohms	4.8 Ohms
Recommended Frequency Range	60-2200 Hz	2000-25000	Voice Coil Inductance	0.48 mH	0.05 mH
Short Term Power Handling *	250 W	220 W	Force Factor	5.5 N/A	2.3 N/A
Long Term Power Handling *	80 W	90 W	Free Air Resonance	55 Hz	1200 Hz
Characteristic Sensitivity (2.83V, 1m)	86 dB	88.5	Moving Mass	9.2 g	0.3 g
Voice Coil Diameter	39 mm	26 mm	Air Load Mass In IEC Baffle	0.19 g	-
Voice Coil Height	12 mm	1.5 mm	Suspension Compliance	0.9mm/N	-
Air Gap Height	6 mm	2.0 mm	Suspension Mechanical Resistance	1.08Ns/m	-
Linear Coil Travel (p-p)	6 mm	0.5 mm	Effective Piston Area	47 cm ²	7 cm ²
Maximum Coil Travel (p-p)	12 mm	-	VAS	3 Litres	-
Magnetic Gap Flux Density	0.85 T	1.2 T	QMS	2.99	-
Magnet Weight	0.42 kg	-	QES	0.33	-
Total Weight	1.20 kg	-	QTS	0.30	-

Feb 2011-1

*IEC 268-5(Tweeter via high pass butterworth filter 3500 Hz, 12 dB/oct)

SEAS reserves the right to change technical data