RW220 L0022

High End automotive subwoofer.

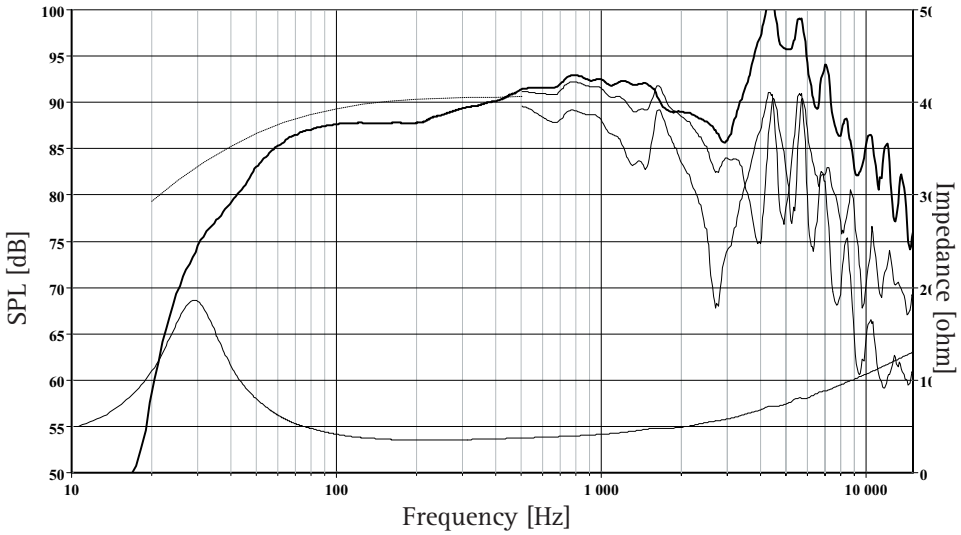
8” cone driver with an extremely stiff and stable injection moulded metal basket to keep the critical components in perfect alignment.

The stiff, yet light aluminum cone gives tremendous bass precision.

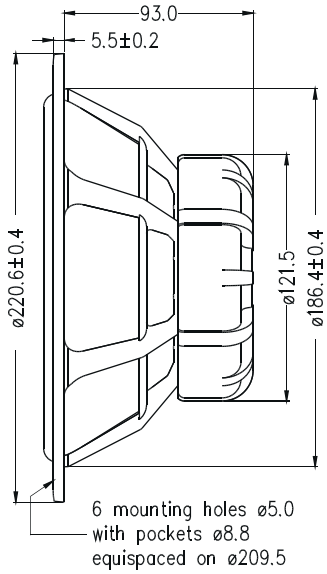
The very long high temperature voice coil wound on an aluminium voice coil former gives a high power handling capacity. The phase plug reduces compression due to temperature variations in the voice coil, eliminates resonances that would occur in the volume between the dust cap and the pole piece and increases the power handling capacity. The magnet system is equipped with a bumped back plate which makes room for extreme coil excursions.

Heavy copper rings mounted above and below the T-shaped pole piece reduce non linear and modulation distortion and increase overload margin.

Gold plated terminals mounted on a glass fibre reinforced plate reduce contact resistance and improve reliability.



The frequency responses above show measured free field sound pressure in 0, 30, and 60 degrees angle using a 21l 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	4 Ohms	Voice Coil Resistance	3.2 Ohms
Recommended Frequency Range	30 - 2000 Hz	Voice Coil Inductance	0.38 mH
Short Term Power Handling *	300 W	Force Factor	6.4 N/A
Long Term Power Handling *	110 W	Free Air Resonance	29 Hz
Characteristic Sensitivity (2.83V, 1m)	91.0 dB	Moving Mass	28.2 g
Voice Coil Diameter	39 mm	Air Load Mass In IEC Baffle	1.89 g
Voice Coil Height	16 mm	Suspension Compliance	1.1 mm/N
Air Gap Height	6 mm	Suspension Mechanical Resistance	2.59 Ns/m
Linear Coil Travel (p-p)	10 mm	Effective Piston Area	220 cm^2
Maximum Coil Travel (p-p)	21 mm	VAS	68 Litres
Magnetic Gap Flux Density	1.0 T	QMS	2.11
Magnet Weight	0.64 kg	QES	0.43
Total Weight	2.20 kg	QTS	0.36

*IEC 268-5

SEAS reserves the right to change technical data

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RoHS compliant product

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