

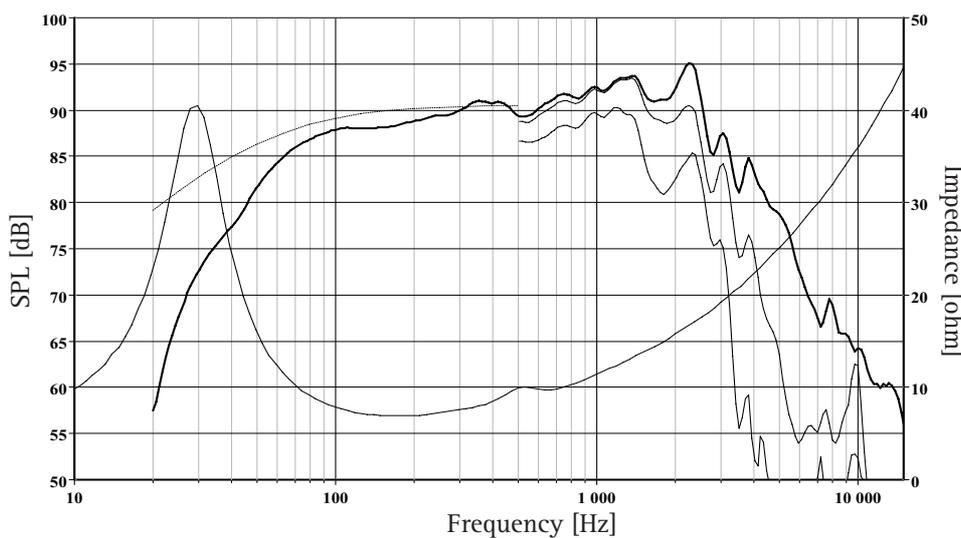
A classical handcoated paper cone and matching natural rubber surround produce a well behaved roll off characteristic and reduce potential resonance problems.

A 2" high temperature voice coil with black anodized aluminum coil former gives high power handling and reduced power compression.

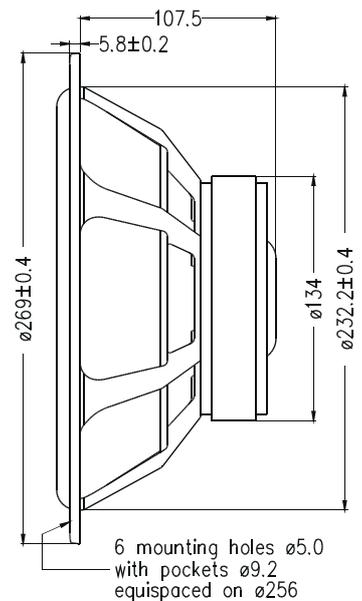
A large magnet system gives good sensitivity and transient response.

A bumped backplate in the magnet system allow maximum utilization of the long voice coil without mechanical limitation.

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 29.5L closed box. Input 2.83 V<sub>RMS</sub>, 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	6.3 Ohms
Recommended Frequency Range	30 - 1000 Hz	Voice Coil Inductance	1.95 mH
Short Term Power Handling *	300 W	Force Factor	10.7 N/A
Long Term Power Handling *	100 W	Free Air Resonance	29 Hz
Characteristic Sensitivity (2.83V, 1m)	90.5 dB	Moving Mass	36.1 g
Voice Coil Diameter	51 mm	Air Load Mass In IEC Baffle	3.5 g
Voice Coil Height	20 mm	Suspension Compliance	0.8 mm/N
Air Gap Height	6 mm	Suspension Mechanical Resistance	3.4 Ns/m
Linear Coil Travel (p-p)	14 mm	Effective Piston Area	350 cm <sup>2</sup>
Maximum Coil Travel (p-p)	35 mm	VAS	129 Litres
Magnetic Gap Flux Density	1.23 T	QMS	2.14
Magnet Weight	3.0 kg	QES	0.40
Total Weight	4.5 kg	QTS	0.34