FA22RCZ
H1597

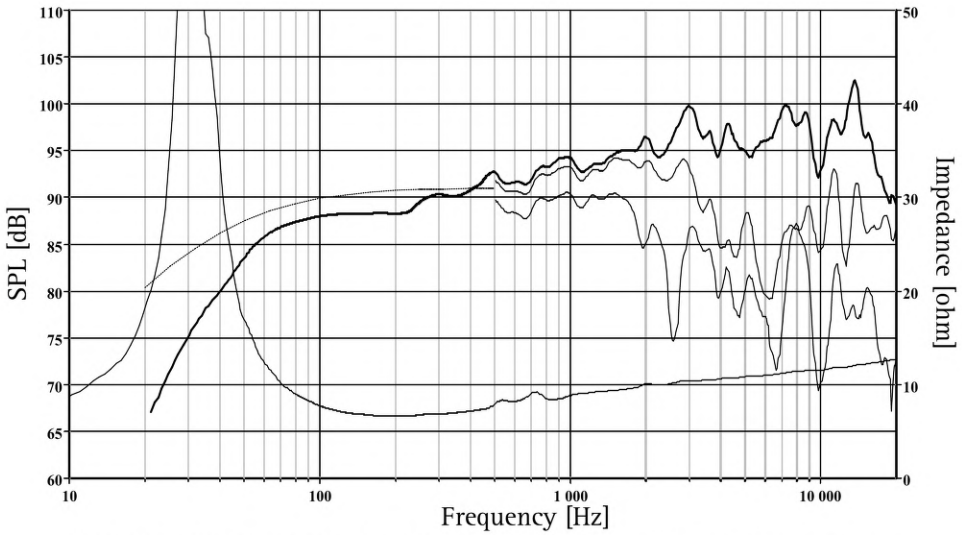
The FA22RCZ is an 8” full range driver offering astonishing efficiency and sound clarity.

A blue-gray paper cone with papyrus fibres, and a high frequency cone directly coupled to the voice coil set the air in motion. The surround is made from a flexible and stable foam rubber material.

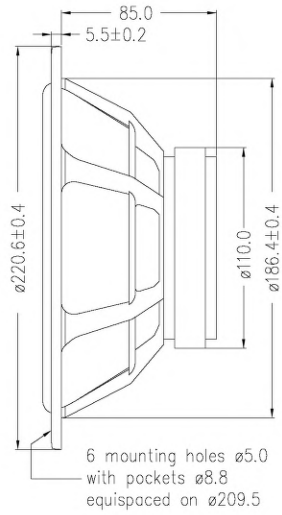
The large, open weave fabric spider reflects very little acoustic energy to the cone, and offers excellent stiffness linearity. A heat resistant, non conductive glass fiber coil former allows a high mechanical Q of the moving system.

A large ferrite ring magnet offers a high magnetic gap flux in a cost efficient way. The pole piece is prolonged forwards and equipped with a deep drawn copper cap to ensure excellent linearity in the force factor and coil inductance.

A stiff and stable injection moulded zinc chassis keeps the critical components in perfect alignment. Large windows in the chassis 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 60L 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	5.7 Ohms
Recommended Frequency Range	30 - 20000 Hz	Voice Coil Inductance	0.09 mH
Short Term Power Handling *	110 W	Force Factor	6.4 N/A
Long Term Power Handling *	40 W	Free Air Resonance	30 Hz
Characteristic Sensitivity (2,83V, 1m)	94 dB	Moving Mass	12.6 g
Voice Coil Diameter	26 mm	Air Load Mass In IEC Baffle	1.92 g
Voice Coil Height	12 mm	Suspension Compliance	2.2 mm/N
Air Gap Height	6 mm	Suspension Mechanical Resistance	0.63 Ns/m
Linear Coil Travel (p-p)	6 mm	Effective Piston Area	222 cm^2
Maximum Coil Travel (p-p)	14 mm	VAS	134 Litres
Magnetic Gap Flux Density	1.1 T	QMS	4.36
Magnet Weight	0.6 kg	QES	0.38
Total Weight	2.05 kg	QTS	0.35

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*IEC 268-5

SEAS reserves the right to change technical data

RoHS compliant product

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