

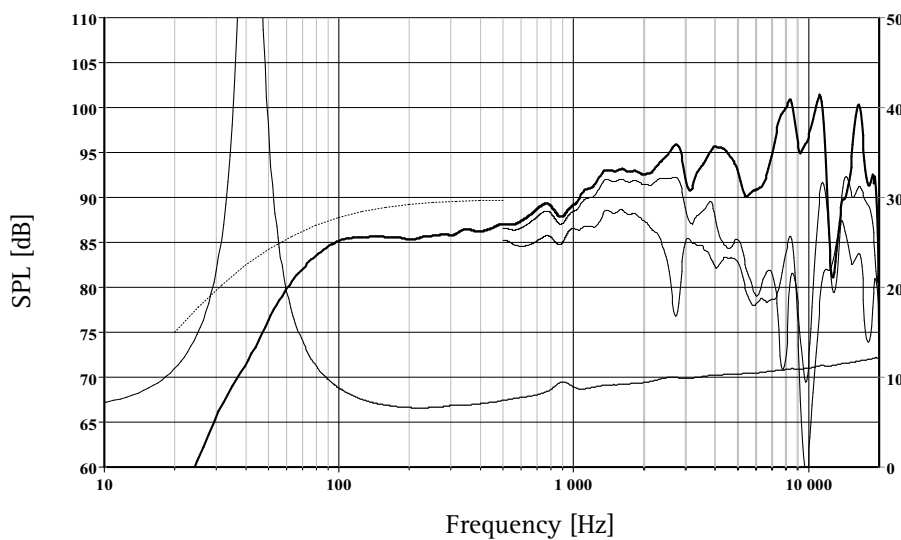
The FEA18RCZ is an 18cm (6.5") full range driver offering excellent efficiency and extended bandwidth in a more compact package.

A blue-grey paper cone with papyrus fibres, and a high frequency cone directly coupled to the voice coil set the air in motion. The flexible surround is made from a low loss rubber material with minimal damping properties.

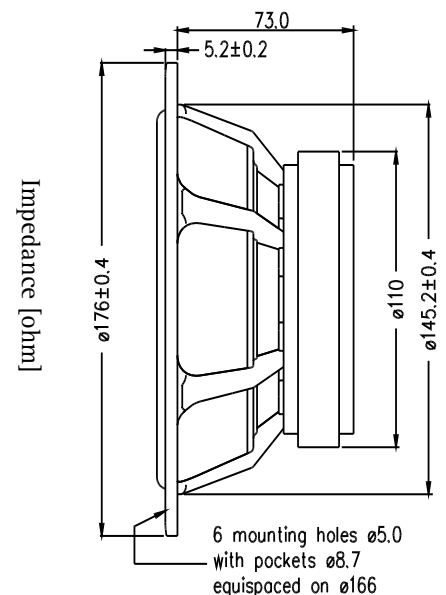
The large spider provides low mechanical resistance, and offers excellent stiffness linearity. A heat resistant, non-conductive glass fibre coil former allows a high mechanical Q-factor of the moving system.

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 long 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 degree angles using a 12L 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	45 - 20000 Hz	Voice Coil Inductance	0.49 mH
Short Term Power Handling *	110 W	Force Factor	6.6 N/A
Long Term Power Handling *	40 W	Free Air Resonance	42 Hz
Characteristic Sensitivity (2,83V, 1m)	89.7 dB	Moving Mass inc. air (Mms)	12.1 g
Voice Coil Diameter	26 mm	Suspension Compliance	1.19 mm/N
Voice Coil Height	12 mm	Suspension Mechanical Resistance	0.51 Ns/m
Air Gap Height	6 mm	Effective Piston Area	136 cm <sup>2</sup>
Linear Coil Travel (p-p)	6 mm	VAS	31 Litres
Maximum Coil Travel (p-p)	14 mm	QMS	6.29
Magnetic Gap Flux Density	1.1 T	QES	0.42
Magnet Weight	0.6 kg	QTS	0.39
Total Weight	1.8 kg		