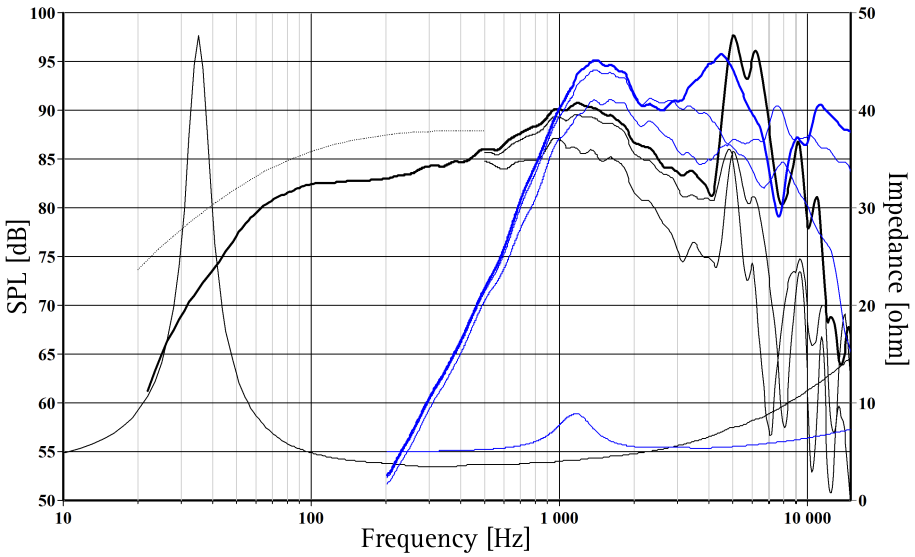
C16NX001/F
E0080-04/06

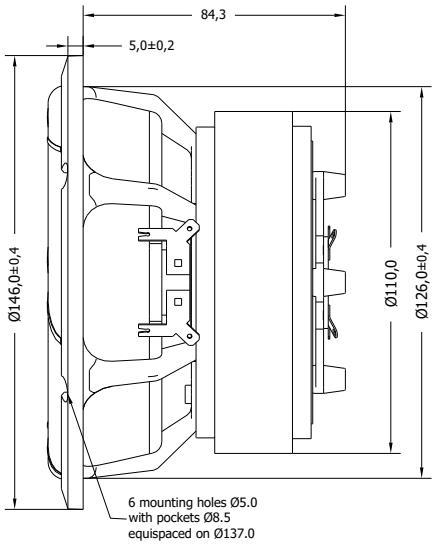
The precision cast, machined and Graphene treated magnesium cone acts as a piston through the working frequency band without showing any sign of mid-drange resonances.

The woofer has an FEA optimised magnet system with precisely fitted copper parts for excellent linearity, high powerhandling and low distortion. A titanium voice coil former with a long copper clad aluminium winding for excellent force transfer, transient sound reproduction and large linear excursion. This results in very low mechanical damping for better clarity and brings out the micro details in the music.

The coaxially arranged tweeter with a precoated fabric dome is fitted with a Titanium former, has a low resonance frequency and integrates with the cone driver to form a point source for excellent sound stage imaging.

The extremely stiff and stable injection moulded metal basket designed for smooth air-flow, keeps the critical components in perfect alignment and reduce sound reflection, 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 10L 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	3.0 Ohms	4.7 Ohms
Recommended Frequency Range	20 - 3000 Hz	2 - 20 kHz	Voice Coil Inductance	0.23 mH	0.05 mH
Short Term Power Handling *	250 W	220 W	Force Factor	5.7 N/A	3.2 N/A
Long Term Power Handling *	150 W	90 W	Free Air Resonance	35 Hz	1165 Hz
Characteristic Sensitivity (2,83V, 1m)	88.5 dB	90 dB	Moving Mass	16.2 g	0.4 g
Voice Coil Diameter	39 mm	26 mm	Suspension Compliance	1.26 mm/N	-
Voice Coil Height	20 mm	1.6 mm	Suspension Mechanical Resistance	0.74 Ns/m	-
Air Gap Height	6 mm	2 mm	Effective Piston Area	94 cm^2	7 cm^2
Linear Coil Travel (p-p)	14 mm	0.4 mm	VAS	16 Litres	-
Maximum Coil Travel (p-p)	22 mm	-	QMS	4.85	-
Magnetic Gap Flux Density	1,1 T	1,2 T	QES	0.33	-
Total Weight	2,4 kg	-	QTS	0.31	-

*IEC 268-5

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SEAS reserves the right to change technical data

RoHS compliant product

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