

KEY FEATURES

- Power handling: 150 / 40 W_{AES} (LF / HF)
- Sensitivity: 95 / 104 dB (1W / 1m) (LF / HF)
- Common neodymium magnet system design
- Low weight and mounting depth
- CONEX spider

- Shorting cup for low harmonic distortion
- Extended controlled displacement: Xmax ± 5,5 mm
- 19 mm peak-to-peak excursion before damage
- Polyester diaphragm
- 70° coverage horn for HF dispersion control



TECHNICAL SPECIFICATIONS

Nominal diameter	125 mm	5 in
Rated impedance (LF/HF)		8 / 8 Ω
Minimum impedance (LF/HF)		6,7 / 5,2 Ω
Power capacity ¹ (LF/HF)	150 / 40 W _{AES}	
Program power ² (LF/HF)		300 / 80 W
Sensitivity (LF/HF ³)	94 dB 1W / 1m @ Z _N	
	104 dB 1W / 1m @ Z _N	
Frequency range	200 - 20.000 Hz	
Recom. HF crossover	2,5 kHz or higher	
	(12 dB/oct min slope)	
Voice coil diameter (LF/HF)	38,1 mm	1,5 in
	44,4 mm	1,75 in
BL factor		8,4 N/A
Moving mass		0,008 kg
Voice coil length		14 mm
Air gap height		6 mm
X_{damage} (peak to peak)		19 mm

Notes:

¹ The power capacity is determined according to AES2-1984 (r2003) standard.

² Program power is defined as power capacity + 3 dB.

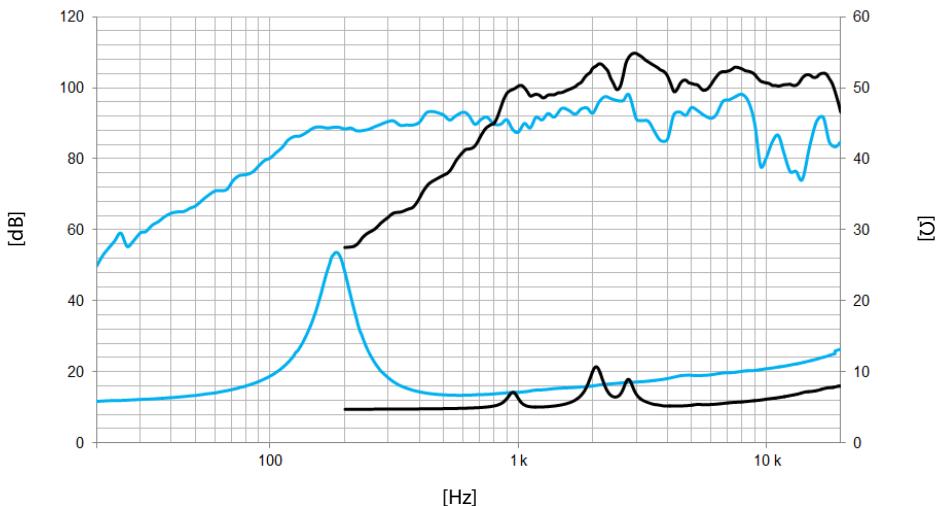
³ Sensitivity was measured at 1m distance, on axis, with 1W input, averaged in the range 2 - 10 kHz

⁴ T-S parameters are measured after an exercise period using a preconditioning power test. The measurements are carried out with a velocity-current laser transducer and will reflect the long term parameters (once the loudspeaker has been working for a short period of time).

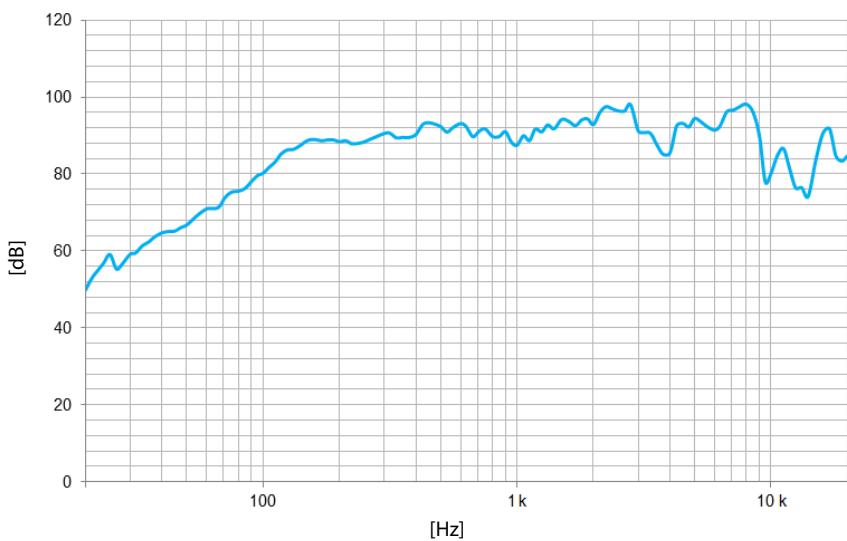
⁵ The X_{max} is calculated as (L_{vc} - H_{ag})/2 + (H_{ag}/3,5), where L_{vc} is the voice coil length and H_{ag} is the air gap height.

THIELE-SMALL PARAMETERS⁴

Resonant frequency, f_s	185 Hz
D.C. Voice coil resistance, R_e	5 Ω
Mechanical Quality Factor, Q_{ms}	3
Electrical Quality Factor, Q_{es}	0,65
Total Quality Factor, Q_{ts}	0,54
Equivalent Air Volume to C_{ms}, V_{as}	1,2 l
Mechanical Compliance, C_{ms}	93 μm / N
Mechanical Resistance, R_{ms}	3 kg / s
Efficiency, η₀	1,1 %
Effective Surface Area, S_d	0,0095 m ²
Maximum Displacement, X_{max}⁵	5,5 mm
Displacement Volume, V_d	48 cm ³
Voice Coil Inductance, L_e	0,2 mH



Note: Frequency response measured with loudspeaker standing on infinite baffle in anechoic chamber, 1W @ 1m



Note: Frequency response measured with loudspeaker standing on infinite baffle in anechoic chamber, 1W @ 1m with FD-2CX

MOUNTING INFORMATION

Overall diameter	155 mm	6,1 in
Bolt circle diameter	141,5 mm	5,6 in
Baffle cutout diameter:		
- Front mount	119 mm	4,7 in
Depth	127 mm	5,0 in
Net weight	1,6 kg	3,5 lb
Shipping weight	1,7 kg	3,7 lb

DIMENSION DRAWING

