

#### KEY FEATURES

- Power handling: 150 / 40 W<sub>AES</sub> (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: X<sub>max</sub> ± 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 <sup>1</sup> (LF/HF)	150 / 40 W <sub>AES</sub>	
Program power <sup>2</sup> (LF/HF)	300 / 80 W	
Sensitivity (LF/HF <sup>3</sup> )	94 dB	1W / 1m @ Z <sub>N</sub>
	104 dB	1W / 1m @ Z <sub>N</sub>
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
BI factor	8,4 N/A	
Moving mass	0,008 kg	
Voice coil length	14 mm	
Air gap height	6 mm	
X <sub>damage</sub> (peak to peak)	19 mm	

Notes:

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

<sup>2</sup> Program power is defined as power capacity + 3 dB.

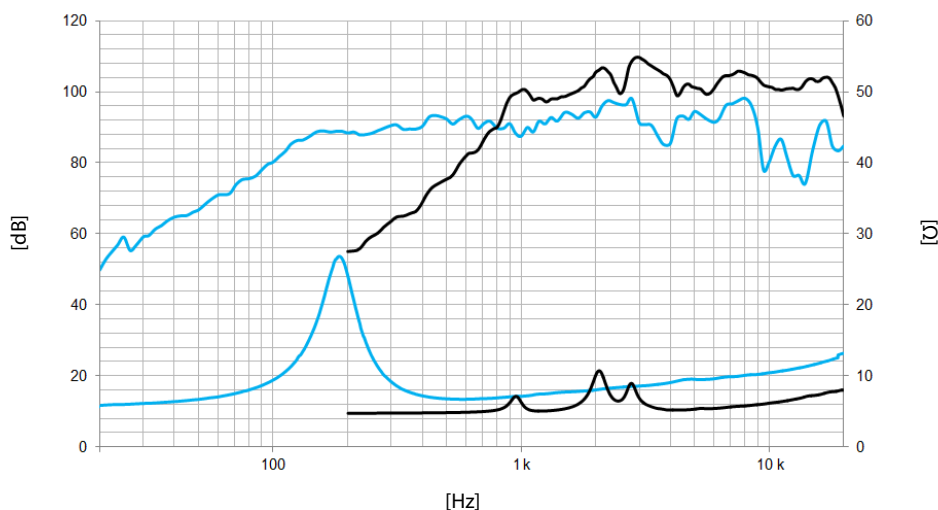
<sup>3</sup> Sensitivity was measured at 1m distance, on axis, with 1W input, averaged in the range 2 - 10 kHz

<sup>4</sup> 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).

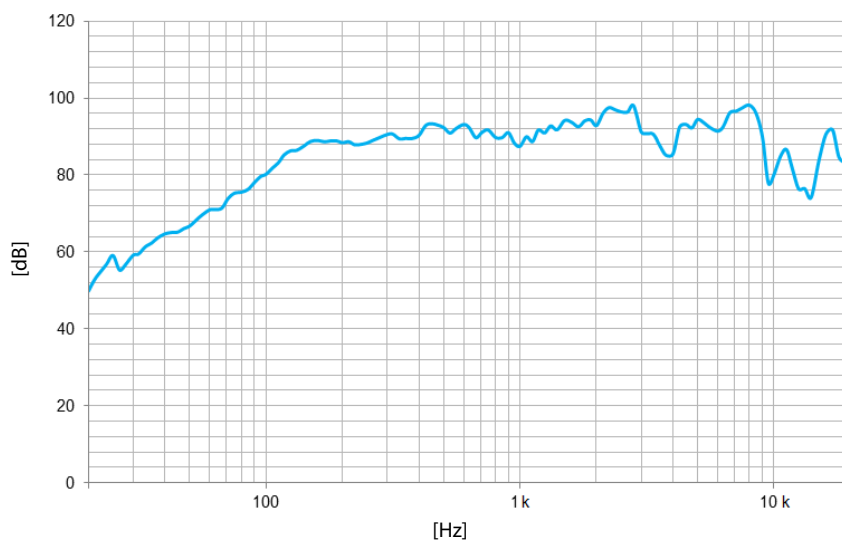
<sup>5</sup> The X<sub>max</sub> is calculated as (L<sub>vc</sub> - H<sub>ag</sub>)/2 + (H<sub>ag</sub>/3,5), where L<sub>vc</sub> is the voice coil length and H<sub>ag</sub> is the air gap height.

#### THIELE-SMALL PARAMETERS<sup>4</sup>

Resonant frequency, f <sub>s</sub>	185 Hz
D.C. Voice coil resistance, R <sub>e</sub>	5 Ω
Mechanical Quality Factor, Q <sub>ms</sub>	3
Electrical Quality Factor, Q <sub>es</sub>	0,65
Total Quality Factor, Q <sub>ts</sub>	0,54
Equivalent Air Volume to C <sub>ms</sub> , V <sub>as</sub>	1,2 l
Mechanical Compliance, C <sub>ms</sub>	93 μm / N
Mechanical Resistance, R <sub>ms</sub>	3 kg / s
Efficiency, η <sub>0</sub>	1,1 %
Effective Surface Area, S <sub>d</sub>	0,0095 m <sup>2</sup>
Maximum Displacement, X <sub>max</sub> <sup>5</sup>	5,5 mm
Displacement Volume, V <sub>d</sub>	48 cm <sup>3</sup>
Voice Coil Inductance, L <sub>e</sub>	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

