

KEY FEATURES

- High power handling: 600 W / 100 W program power
- 2,5" / 1,75" voice coil (LF/HF)
- High sensitivity: 96,5 / 104 dB (1W / 1m) (LF/HF)
- FEA optimized common magnet circuit
- Shorting cap for extended response
- Weatherproof cone with treatment for both sides of the cone
- PM4 diaphragm for natural sound
- 70° conical coverage horn



TECHNICAL SPECIFICATIONS

Nominal diameter	250 mm	10 in
Rated impedance (LF/HF)	8 / 16 Ω	
Minimum impedance (LF/HF)	5,7 / 10,1 Ω	
Power capacity ¹ (LF/HF)	300 / 50 W _{AES}	
Program power ² (LF/HF)	600 / 100 W	
Sensitivity (LF/HF) ³	96,5 dB	1W / 1m @ Z _N
	104 dB	1W / 1m @ Z _N
Frequency range	50 - 20.000 Hz	
Recom. HF crossover	2 kHz or higher (12 dB/oct min slope)	
Voice coil diameter (LF/HF)	63,5 mm	2,5 in
	44,4 mm	1,75 in
BI factor	11,6 N/A	
Moving mass	0,035 kg	
Voice coil length	17,5 mm	
Air gap height	10 mm	
X_{damage} (peak to peak)	30 mm	

Notes:

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

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

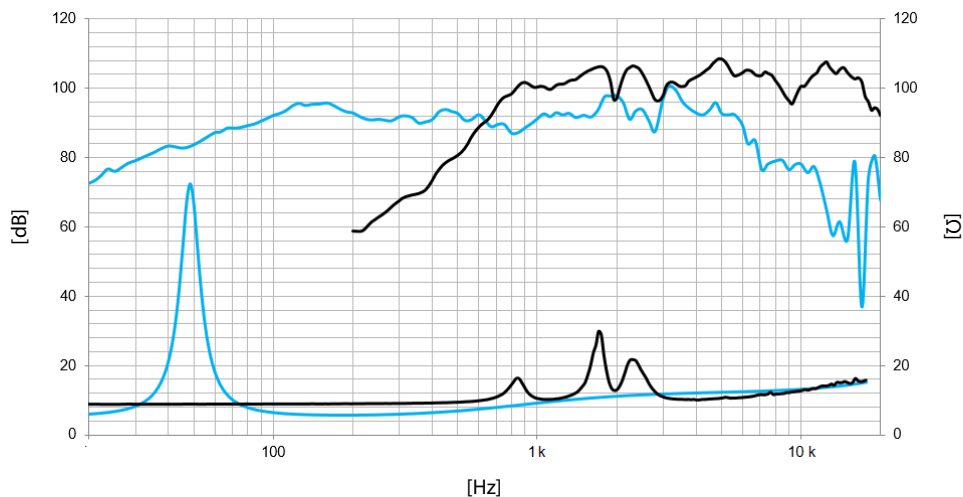
³ Sensitivity was measured at 1m distance, on axis, with 1W input, averaged in the range 1 - 8 kHz.

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.

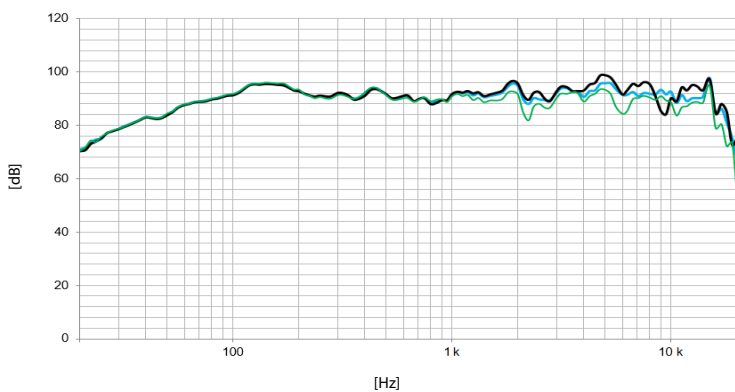
THIELE-SMALL PARAMETERS⁴

Resonant frequency, f_s	48 Hz
D.C. Voice coil resistance, R_e	5,2 Ω
Mechanical Quality Factor, Q_{ms}	5,3
Electrical Quality Factor, Q_{es}	0,41
Total Quality Factor, Q_{ts}	0,38
Equivalent Air Volume to C_{ms}, V_{as}	63 l
Mechanical Compliance, C_{ms}	307 $\mu\text{m} / \text{N}$
Mechanical Resistance, R_{ms}	2 kg / s
Efficiency, η_0	1,7 %
Effective Surface Area, S_d	0,038 m ²
Maximum Displacement, X_{max} ⁵	6,7 mm
Displacement Volume, V_d	256 cm ³
Voice Coil Inductance, L_e	0,4 mH



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

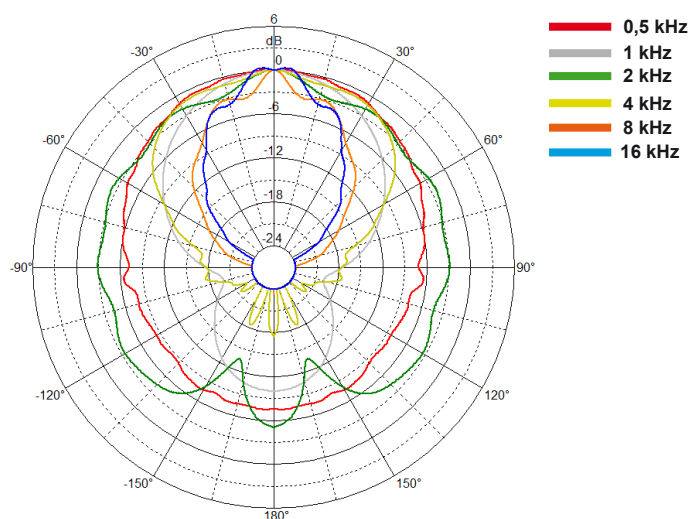
FILTERED FREQUENCY RESPONSE



— 0 degrees — 35 degrees — 70 degrees

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

POLAR PATTERN



MOUNTING INFORMATION

Overall diameter	260,5 mm	10,3 in
Bolt circle diameter	243,5 mm	9,6 in
Baffle cutout diameter:		
- Front mount	228 mm	9,0 in
Depth	145 mm	5,7 in
Net weight	5,1 kg	11,2 lb
Shipping weight	5,5 kg	12,1 lb

DIMENSION DRAWING

