

KEY FEATURES

- High power handling: 500 W program power
- High sensitivity: 96 dB (1W / 1m)
- Low harmonic distortion
- 2" aluminium voice coil with polyimide fiber glass former
- Designed for high quality mid-frequency reproduction



TECHNICAL SPECIFICATIONS

Nominal diameter	200 mm	8 in
Rated impedance		8 Ω
Minimum impedance		7,6 Ω
Power capacity ¹		250 W _{AES}
Program power ²		500 W
Sensitivity	96 dB	1W / 1m @ Z _N
Frequency range		100 - 7.000 Hz
Voice coil diameter	50,8 mm	2 in
BI factor		11,5 N/A
Moving mass		0,019 kg
Voice coil length		9 mm
Air gap height		7 mm

THIELE-SMALL PARAMETERS³

Resonant frequency, f _s	90 Hz
D.C. Voice coil resistance, R _e	6 Ω
Mechanical Quality Factor, Q _{ms}	7,5
Electrical Quality Factor, Q _{es}	0,48
Total Quality Factor, Q _{ts}	0,45
Equivalent Air Volume to C _{ms} , V _{as}	12 l
Mechanical Compliance, C _{ms}	175 μm / N
Mechanical Resistance, R _{ms}	1,4 kg / s
Efficiency, η ₀	1,6 %
Effective Surface Area, S _d	0,022 m ²
Maximum Displacement, X _{max} ⁴	3 mm
Displacement Volume, V _d	66 cm ³
Voice Coil Inductance, L _e	0,2 mH

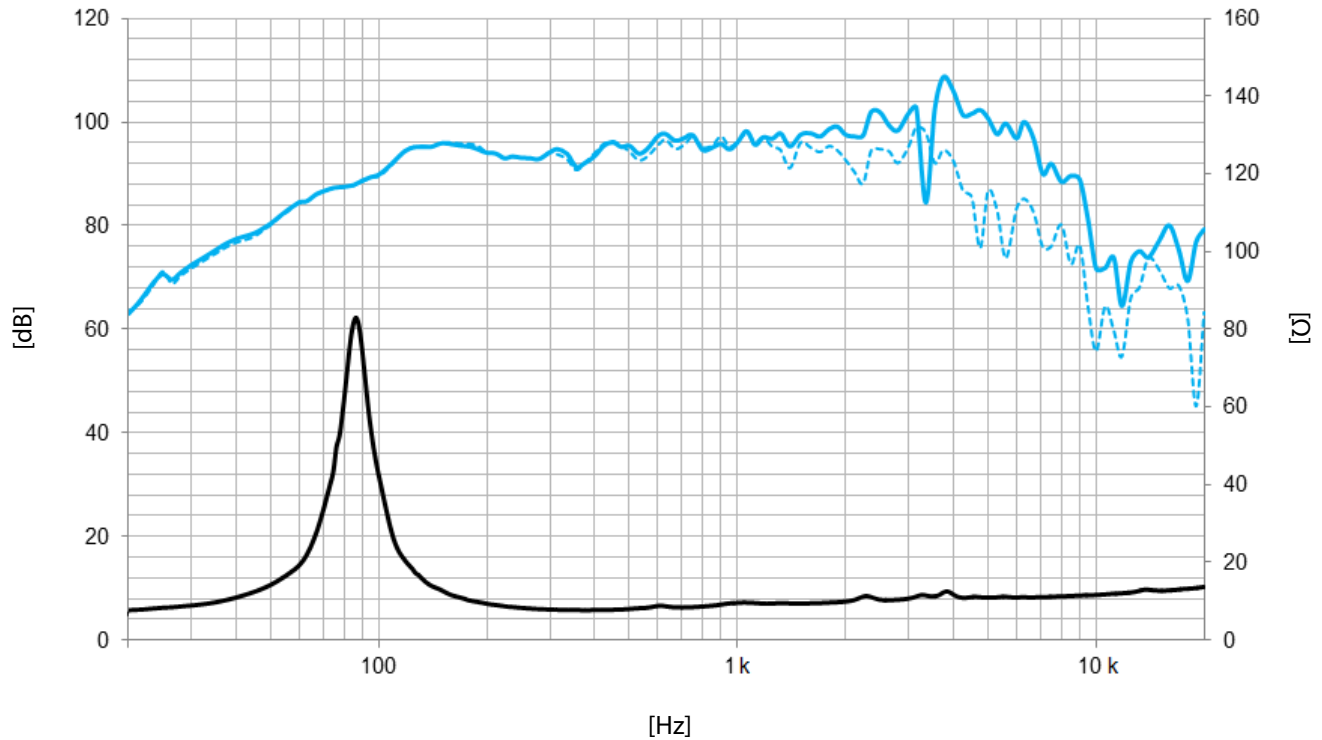
Notes:

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

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

³ 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).

⁴ 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.



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

— Frequency response on axis
- - - Frequency response 45° off axis

MOUNTING INFORMATION

Overall diameter	212 mm	8,3 in
Bolt circle diameter	198 mm	7,8 in
Baffle cutout diameter:		
- Front mount	181 mm	7,1 in
Depth	94 mm	3,7 in
Net weight	3,1 kg	6,9 lb
Shipping weight	3,2 kg	7,2 lb

DIMENSION DRAWING

