

KEY FEATURES

- Power handling: 170 W_{AES}
- High sensitivity: 94 dB (1W / 1m)
- FEA optimized neodymium magnetic circuit
- Weatherproof treatment for both sides of the cone
- 2" aluminium voice coil
- Shorting cap for extended response and low distortion
- Excellent for line array mid bass applications



TECHNICAL SPECIFICATIONS

Nominal diameter	165 mm	6,5 in
Rated impedance		8 Ω
Minimum impedance		7,9 Ω
Power capacity ¹		170 W _{AES}
Program power ²		340 W
Sensitivity	94 dB	1W / 1m @ Z _N
Frequency range		90 - 8.000 Hz
Recom. enclosure (Bass-reflex design)		V _b = 4 l F _b = 110 Hz
Voice coil diameter	50,8 mm	2 in
BI factor		11,2 N/A
Moving mass		0,014 kg
Voice coil length		9 mm
Air gap height		7 mm
X _{damage} (peak to peak)		20 mm

THIELE-SMALL PARAMETERS³

Resonant frequency, f _s	85 Hz
D.C. Voice coil resistance, R _e	6 Ω
Mechanical Quality Factor, Q _{ms}	3,7
Electrical Quality Factor, Q _{es}	0,36
Total Quality Factor, Q _{ts}	0,33
Equivalent Air Volume to C _{ms} , V _{as}	7 l
Mechanical Compliance, C _{ms}	250 μm / N
Mechanical Resistance, R _{ms}	2 kg / s
Efficiency, η ₀	1,2 %
Effective Surface Area, S _d	0,014 m ²
Maximum Displacement, X _{max} ⁴	3 mm
Displacement Volume, V _d	14 cm ³
Voice Coil Inductance, L _e	0,2 mH

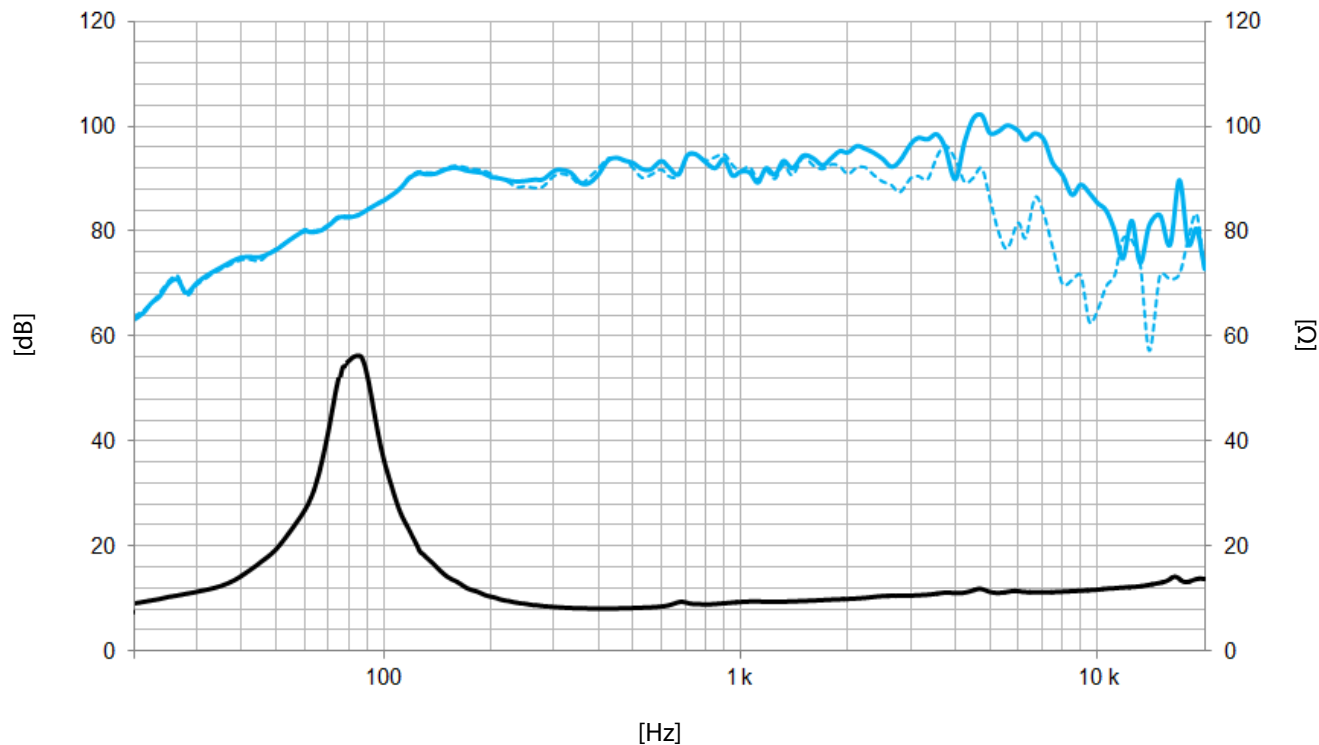
Notes:

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	187,5 mm	7,4 in
Bolt circle diameter	172 mm	6,8 in
Baffle cutout diameter:		
- Front mount	146 mm	5,7 in
Depth	77,8 mm	3,1 in
Net weight	1,6 kg	3,5 lb
Shipping weight	1,8 kg	4,0 lb

DIMENSION DRAWING

