

KEY FEATURES

- High power handling: 250 W_{AES}
- Sensitivity 95 dB (1W / 1m)
- 2,5" aluminum voice coil with polyimide fiber glass former
- Extremely linear frequency response
- Low harmonic distortion
- Extended controlled displacement: $X_{max} \pm 6,5$ mm
- 23 mm peak-to-peak excursion before damage
- Designed for woofer applications
- Optimized for small bass-reflex cabinets



TECHNICAL SPECIFICATIONS

Nominal diameter	200 mm	8 in
Rated impedance		8 Ω
Minimum impedance		7,3 Ω
Power capacity ¹		250 W _{AES}
Program power ²		500 W
Sensitivity	95 dB	1W / 1m @ Z _N
Frequency range		70 - 6.000 Hz
Recom. enclosure vol.	10 / 30 l	0,35 / 1,06 ft ³
Voice coil diameter	63,5 mm	2,5 in
BI factor		12,2 N/A
Moving mass		0,021 kg
Voice coil length		16 mm
Air gap height		7 mm
X _{damage} (peak to peak)		23 mm

THIELE-SMALL PARAMETERS³

Resonant frequency, f _s	70 Hz
D.C. Voice coil resistance, R _e	6,1 Ω
Mechanical Quality Factor, Q _{ms}	6,8
Electrical Quality Factor, Q _{es}	0,38
Total Quality Factor, Q _{ts}	0,36
Equivalent Air Volume to C _{ms} , V _{as}	17 l
Mechanical Compliance, C _{ms}	246 μ m / N
Mechanical Resistance, R _{ms}	1,4 kg / s
Efficiency, η_0	1,5 %
Effective Surface Area, S _d	0,022 m ²
Maximum Displacement, X _{max} ⁴	6,5 mm
Displacement Volume, V _d	143 cm ³
Voice Coil Inductance, L _e	1,3 mH

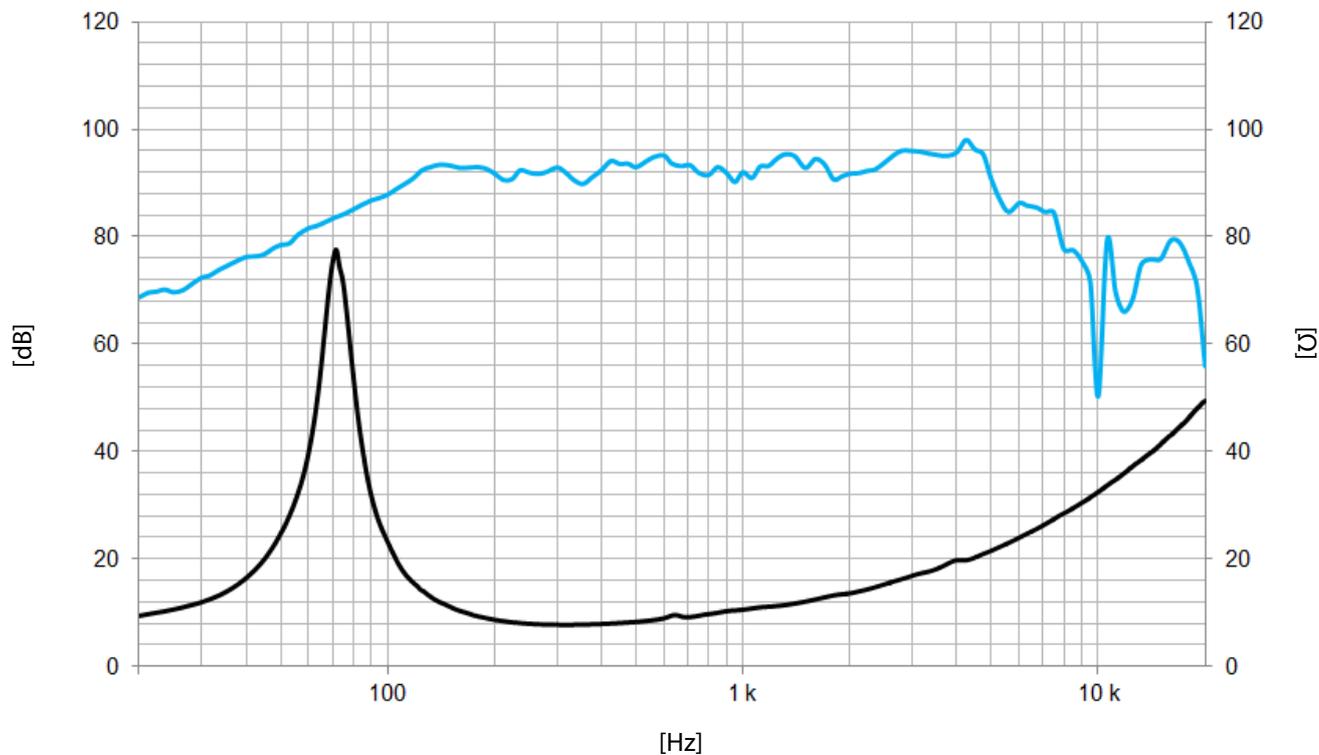
Notes:

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

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	96 mm	3,8 in
Net weight	3,3 kg	7,3 lb
Shipping weight	3,5 kg	7,6 lb

DIMENSION DRAWING

