

KEY FEATURES

- High power handling: 600 W program power
- 2" copper wire voice coil
- High sensitivity: 95 dB (1W / 1m)
- FEA optimized ceramic magnetic circuit
- Waterproof cone treatment for both sides of the cone
- Extended controlled displacement: $X_{\max} \pm 6$ mm
- 30 mm peak-to-peak excursion before damage
- Low harmonic distortion and linear response
- Wide range of applications of low and mid-low frequencies



TECHNICAL SPECIFICATIONS

Nominal diameter	250 mm	10 in
Rated impedance		8 Ω
Minimum impedance		6,5 Ω
Power capacity ¹		300 W _{AES}
Program power ²		600 W
Sensitivity	95 dB	1W / 1m @ Z _N
Frequency range		55 - 5.000 Hz
Recom. enclosure vol.	15 / 50 l	0,53 / 1,77 ft ³
Voice coil diameter	50,8 mm	2 in
Bl factor		14,2 N/A
Moving mass		0,039 kg
Voice coil length		15 mm
Air gap height		8 mm
X _{damage} (peak to peak)		30 mm

Notes:

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

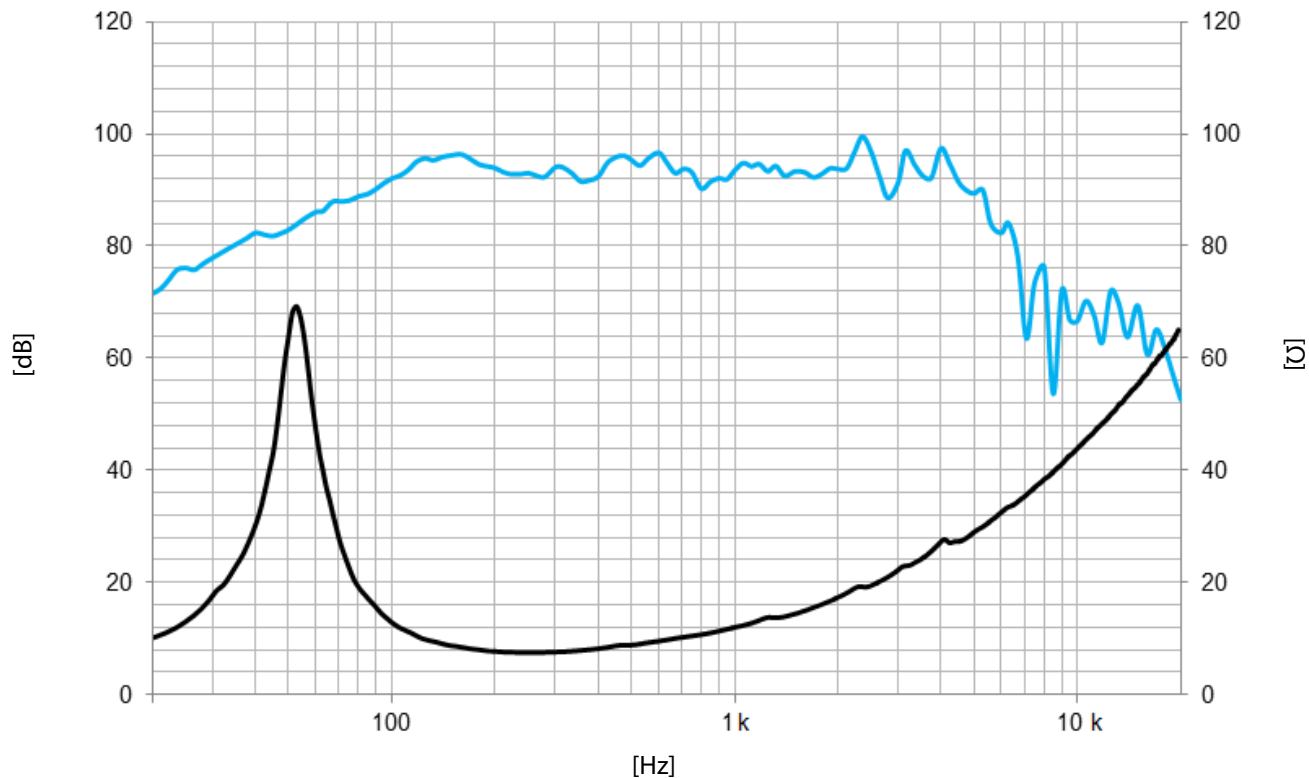
² Program power is defined as power capacity + 3 dB.

³ 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.

THIELE-SMALL PARAMETERS³

Resonant frequency, f _s	52 Hz
D.C. Voice coil resistance, R _e	6,1 Ω
Mechanical Quality Factor, Q _{ms}	3,9
Electrical Quality Factor, Q _{es}	0,39
Total Quality Factor, Q _{ts}	0,35
Equivalent Air Volume to C _{ms} , V _{as}	42 l
Mechanical Compliance, C _{ms}	240 μ m / N
Mechanical Resistance, R _{ms}	3,3 kg / s
Efficiency, η_0	1,5 %
Effective Surface Area, S _d	0,035 m ²
Maximum Displacement, X _{max} ⁴	6 mm
Displacement Volume, V _d	210 cm ³
Voice Coil Inductance, L _e	1 mH



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

MOUNTING INFORMATION

Overall diameter	261 mm	10,3 in
Bolt circle diameter	243,5 mm	9,6 in
Baffle cutout diameter:		
- Front mount	228 mm	9,0 in
Depth	117 mm	4,6 in
Net weight	3,5 kg	7,7 lb
Shipping weight	3,9 kg	8,6 lb

DIMENSION DRAWING

