

KEY FEATURES

- 600 W program power
- Sensitivity: 94 dB (1W / 1m)
- Extended controlled displacement: $X_{max} \pm 6$ mm
- 24 mm peak-to-peak excursion before damage
- Copper shorting cap for low harmonic distortion
- CONEX spider
- Weatherproof carbon fiber loaded paper cone with Santoprene™ surround



TECHNICAL SPECIFICATIONS

Nominal diameter	200 mm	8 in
Rated impedance		8 Ω
Minimum impedance		6,7 Ω
Power capacity ¹		300 W _{AES}
Program power ²		600 W
Sensitivity	94 dB	1W / 1m @ Z _N
Frequency range		60 - 7.000 Hz
Recom. enclosure (Bass-reflex design)		V _b = 16 l F _b = 71 Hz
Voice coil diameter	63,5 mm	2,5 in
BI factor		11,6 N/A
Moving mass		0,025 kg
Voice coil length		15 mm
Air gap height		7 mm
X _{damage} (peak to peak)		24 mm

Notes:

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

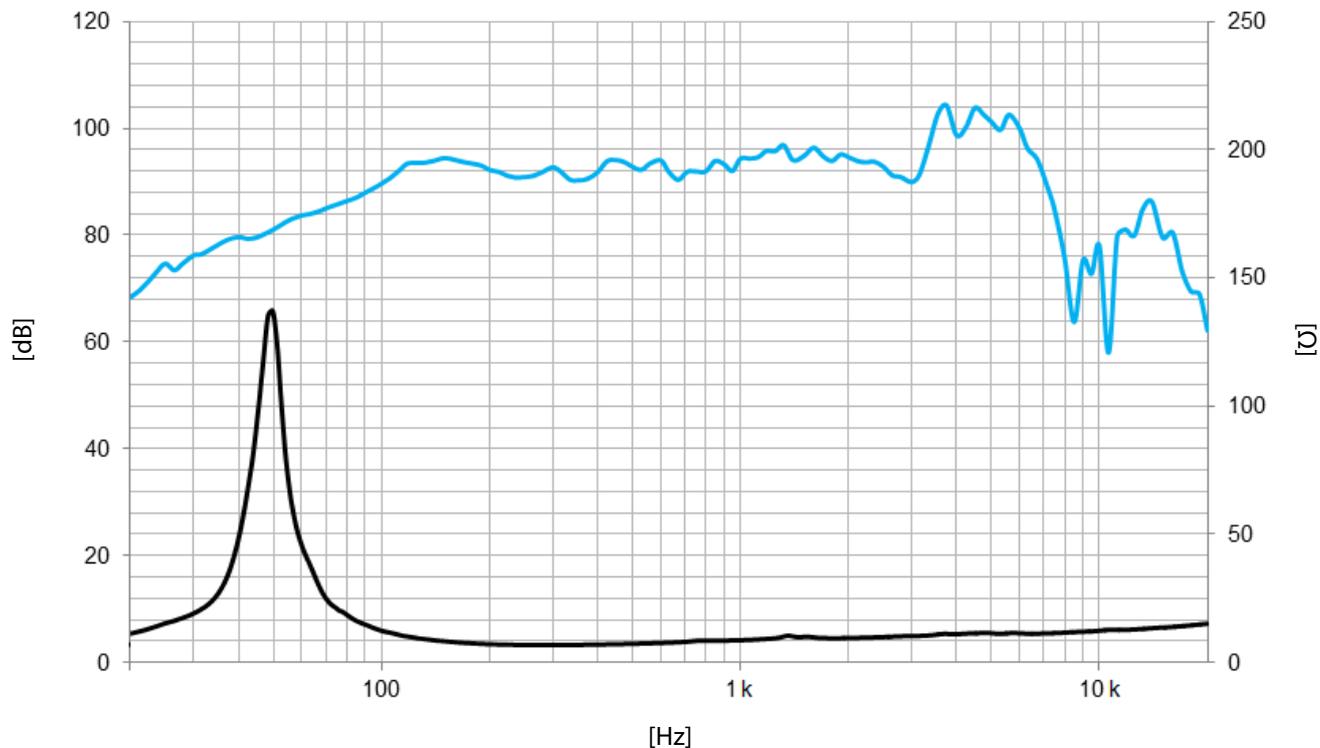
² Program power is defined as power capacity + 3 dB.

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	53 Hz
D.C. Voice coil resistance, R _e	5,2 Ω
Mechanical Quality Factor, Q _{ms}	14,3
Electrical Quality Factor, Q _{es}	0,32
Total Quality Factor, Q _{ts}	0,31
Equivalent Air Volume to C _{ms} , V _{as}	24,8 l
Mechanical Compliance, C _{ms}	362 μ m / N
Mechanical Resistance, R _{ms}	0,58 kg / s
Efficiency, η_0	1,1 %
Effective Surface Area, S _d	0,022 m ²
Maximum Displacement, X _{max} ⁴	6 mm
Displacement Volume, V _d	132 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

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	97 mm	3,8 in
Net weight	4 kg	8,8 lb
Shipping weight	4,2 kg	9,4 lb

DIMENSION DRAWING

