

KEY FEATURES

- High power handling 350 W_{AES}
- High sensitivity: 97 dB (1W / 1m)
- 2,5" copper voice coil
- Lightweight curvilinear cone
- Extended controlled displacement: $X_{max} \pm 8,25$ mm
- 27 mm peak-to-peak excursion before damage
- Designed for low and mid frequencies reproduction



TECHNICAL SPECIFICATIONS

Nominal diameter	300 mm	12 in
Rated impedance		8 Ω
Minimum impedance		6,5 Ω
Power capacity ¹		350 W _{AES}
Program power ²		700 W
Sensitivity	97 dB	1W / 1m @ Z _N
Frequency range		45 - 4.000 Hz
Recom. enclosure vol.	30 / 100 l	1,1 / 3,5 ft ³
Voice coil diameter	63,5 mm	2,5 in
BI factor		14,4 N/A
Moving mass		0,057 kg
Voice coil length		19,5 mm
Air gap height		7 mm
X _{damage} (peak to peak)		27 mm

Notes:

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

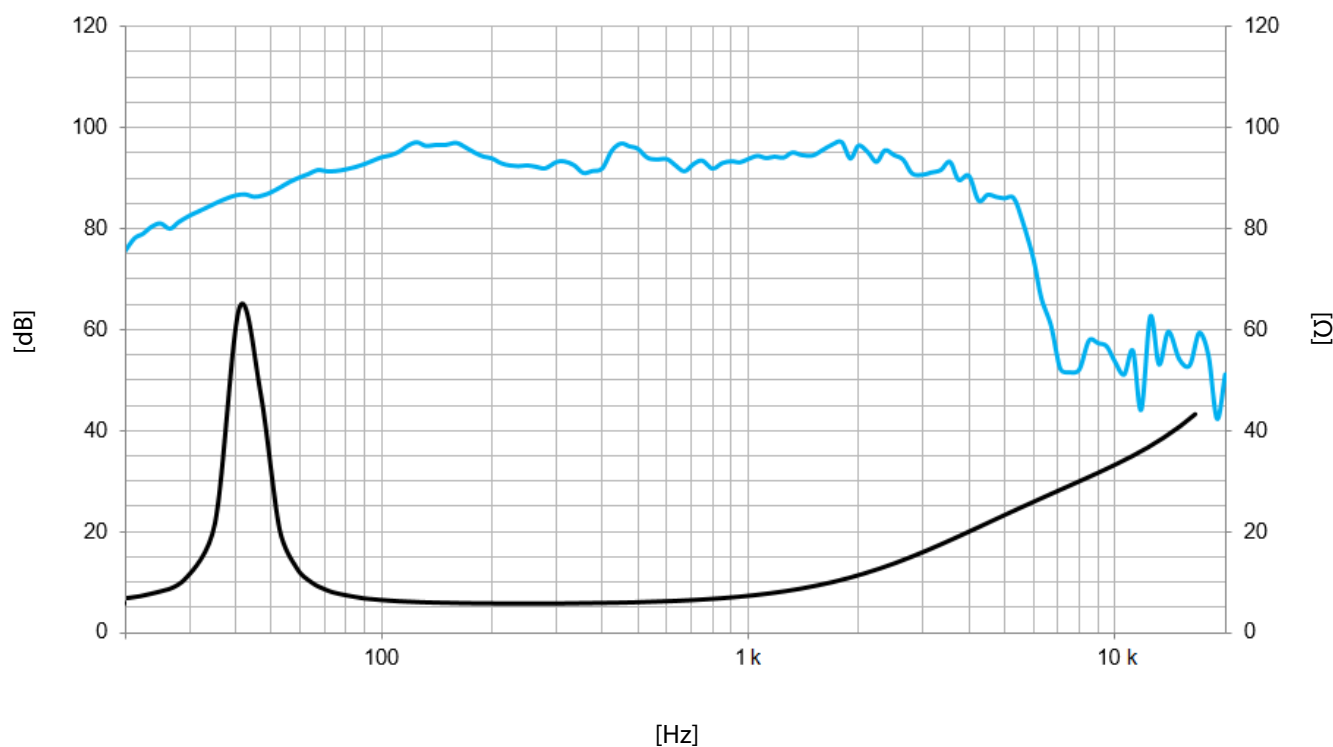
² Program power is defined as power capacity + 3 dB.

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	43 Hz
D.C. Voice coil resistance, R _e	5,5 Ω
Mechanical Quality Factor, Q _{ms}	5,3
Electrical Quality Factor, Q _{es}	0,41
Total Quality Factor, Q _{ts}	0,38
Equivalent Air Volume to C _{ms} , V _{as}	103 l
Mechanical Compliance, C _{ms}	240 μ m / N
Mechanical Resistance, R _{ms}	2,9 kg / s
Efficiency, η_0	1,9 %
Effective Surface Area, S _d	0,055 m ²
Maximum Displacement, X _{max} ⁴	8,25 mm
Displacement Volume, V _d	453 cm ³
Voice Coil Inductance, L _e	0,6 mH



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

MOUNTING INFORMATION

Overall diameter	312 mm	12,3 in
Bolt circle diameter	294,5 mm	11,6 in
Baffle cutout diameter:		
- Front mount	278 mm	10,9 in
Depth	132 mm	5,2 in
Volume displaced by driver	4 l	0,14 ft ³
Net weight	4,6 kg	10,1 lb
Shipping weight	5,3 kg	11,7 lb

DIMENSION DRAWING

