

KEY FEATURES

- High power handling: 450 W_{AES}
- High sensitivity: 100 dB (1W / 1m)
- Very high efficiency (5,1%)
- Extremely linear frequency response
- Low harmonic distortion
- 3" aluminum voice coil with polyimide fiber glass former
- Large magnetic assembly for efficient heat dissipation
- Designed for high quality mid-frequency reproduction



TECHNICAL SPECIFICATIONS

Nominal diameter	300 mm	12 in
Rated impedance		8 Ω
Minimum impedance		8 Ω
Power capacity ¹		450 W _{AES}
Program power ²		900 W
Sensitivity	100 dB	1W / 1m @ Z _N
Frequency range		60 - 4.000 Hz
Voice coil diameter	76,2 mm	3 in
BI factor		21,6 N/A
Moving mass		0,047 kg
Voice coil length		13,5 mm
Air gap height		10 mm
X _{damage} (peak to peak)		24 mm

THIELE-SMALL PARAMETERS³

Resonant frequency, f _s	58 Hz
D.C. Voice coil resistance, R _e	6,3 Ω
Mechanical Quality Factor, Q _{ms}	5,5
Electrical Quality Factor, Q _{es}	0,23
Total Quality Factor, Q _{ts}	0,22
Equivalent Air Volume to C _{ms} , V _{as}	64 l
Mechanical Compliance, C _{ms}	163 μm / N
Mechanical Resistance, R _{ms}	3,3 kg / s
Efficiency, η ₀	5,1 %
Effective Surface Area, S _d	0,053 m ²
Maximum Displacement, X _{max} ⁴	3 mm
Displacement Volume, V _d	159 cm ³
Voice Coil Inductance, L _e	1 mH

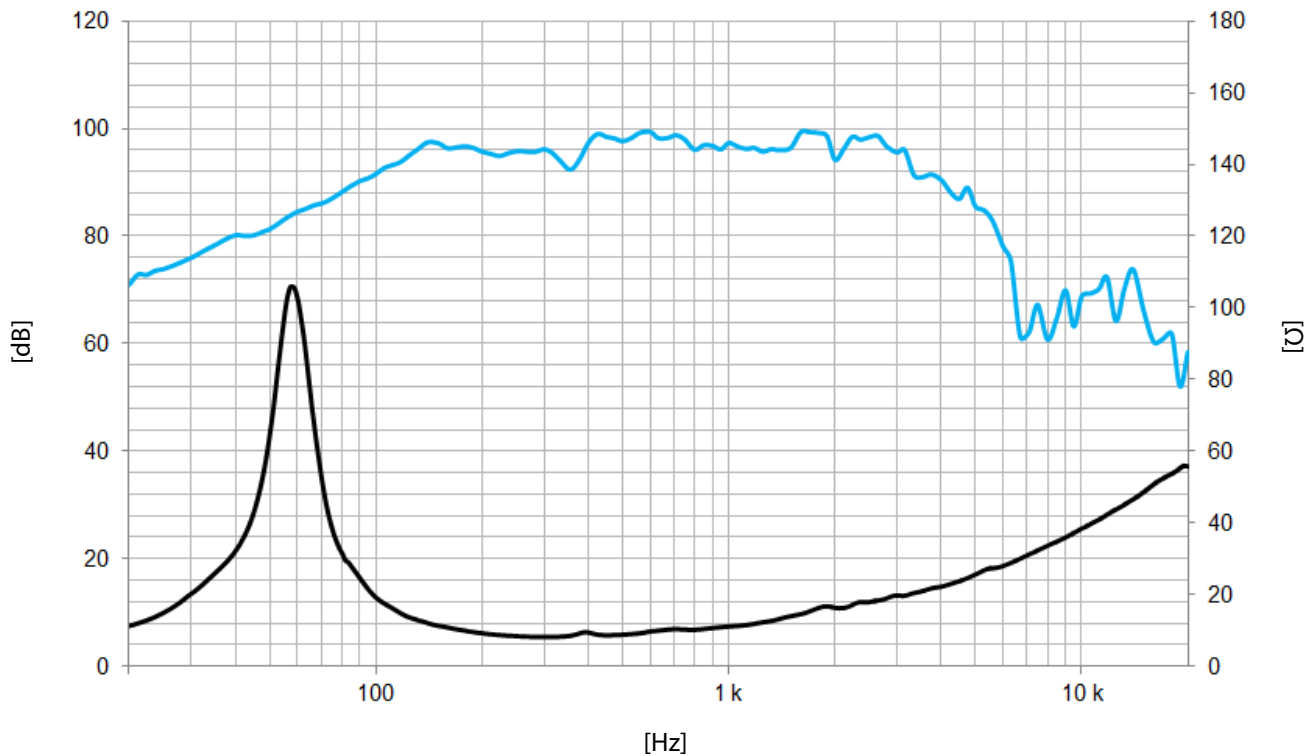
Notes:

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	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	135 mm	5,4 in
Net weight	7,2 kg	15,8 lb
Shipping weight	8 kg	17,6 lb

DIMENSION DRAWING

