

KEY FEATURES

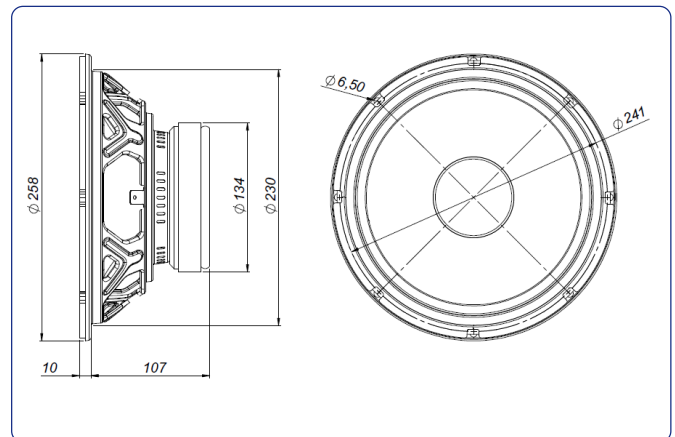
- High power handling: 600 W program power
- 2" copper wire voice coil
- High sensitivity: 95 dB (1W / 1m)
- Optimized pressed steel frame
- FEA optimized ceramic magnetic circuit
- Designed with MMSS technology for high control, linearity and low harmonic distortion
- Waterproof cone treatment on both sides of the cone
- 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		7,5 Ω
Power capacity*	300 W _{AES}	
Program power	600 W	
Sensitivity	95 dB	1W / 1m @ Z _N
Frequency range		55 - 4.000 Hz
Recom. enclosure vol.	15 / 50 l	0,53 / 1,77 ft ³
Voice coil diameter	50,8 mm	2 in
Bl factor		14,3 N/A
Moving mass		0,041 kg
Voice coil length		15 mm
Air gap height		8 mm
X _{damage} (peak to peak)		30 mm

DIMENSION DRAWINGS



THIELE-SMALL PARAMETERS**

Resonant frequency, f _s	52 Hz
D.C. Voice coil resistance, R _e	6,1 Ω
Mechanical Quality Factor, Q _{ms}	5,5
Electrical Quality Factor, Q _{es}	0,40
Total Quality Factor, Q _{ts}	0,38
Equivalent Air Volume to C _{ms} , V _{as}	39,3 l
Mechanical Compliance, C _{ms}	227 μ m / N
Mechanical Resistance, R _{ms}	2,5 kg / s
Efficiency, η_0	1,3 %
Effective Surface Area, S _d	0,035 m ²
Maximum Displacement, X _{max} ***	6 mm
Displacement Volume, V _d	210 cm ³
Voice Coil Inductance, L _e @ 1 kHz	1 mH

MOUNTING INFORMATION

Overall diameter	258 mm	10,16 in
Bolt circle diameter	241 mm	9,49 in
Baffle cutout diameter:		
- Front mount	230 mm	9,06 in
Depth	117 mm	4,60 in
Net weight	3,5 kg	7,71 lb
Shipping weight	3,9 kg	8,60 lb

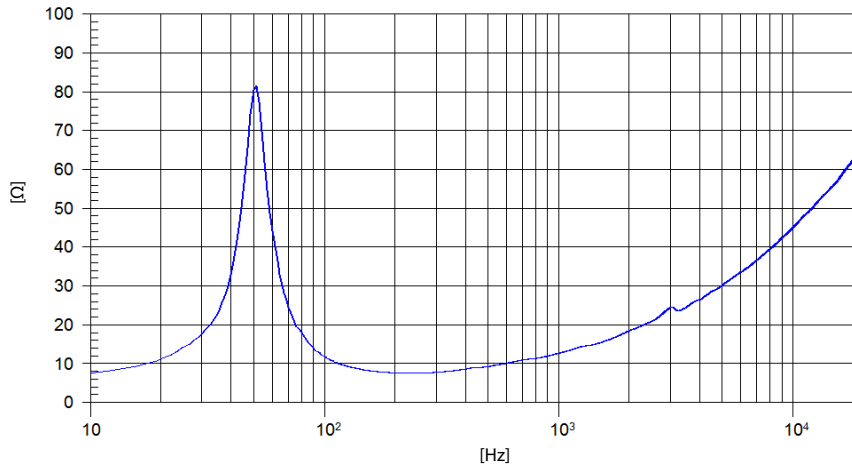
Notes:

* The power capacity is determined according to AES2-1984 (r2003) standard. Program power is defined as the transducer's ability to handle normal music program material.

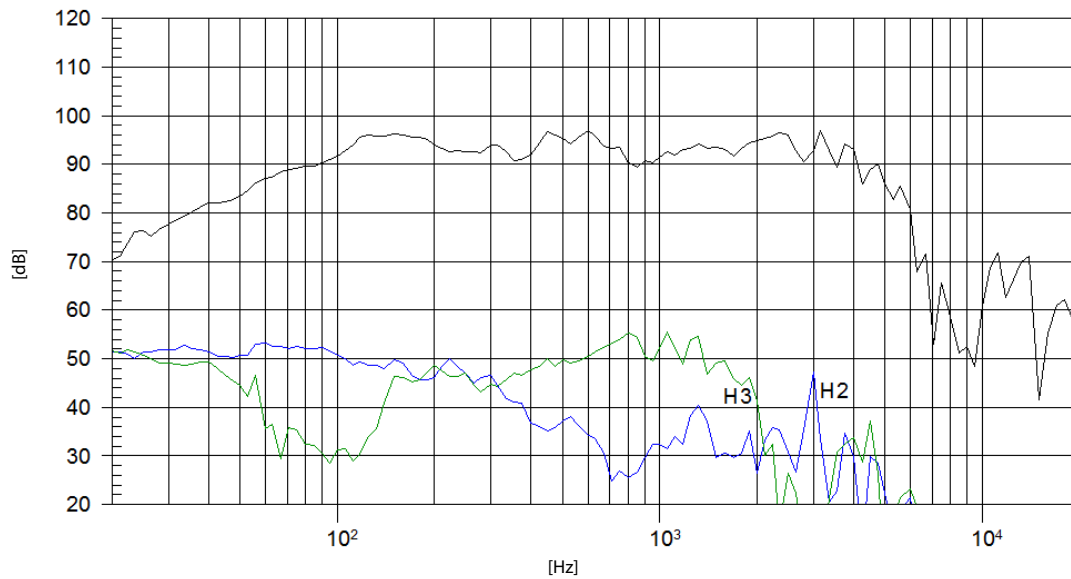
** T-S parameters are measured after an exercise period using a preconditioning power test. The measurements are carried out with a velocity-current laser transducer and will reflect the long term parameters (once the loudspeaker has been working for a short period of time).

*** 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.

FREE AIR IMPEDANCE CURVE



FREQUENCY RESPONSE AND DISTORTION



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