

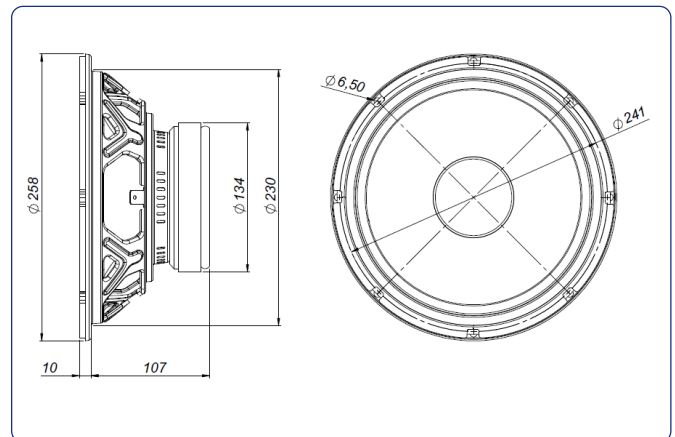
KEY FEATURES

- 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 |

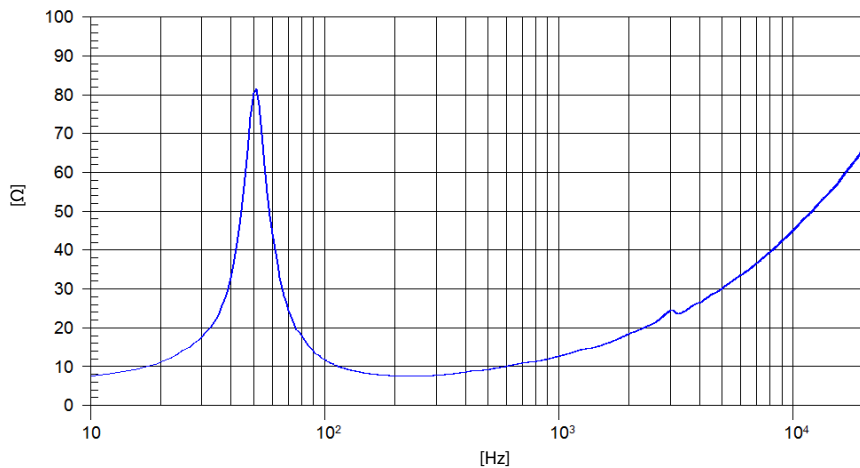
Notes:

* 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.

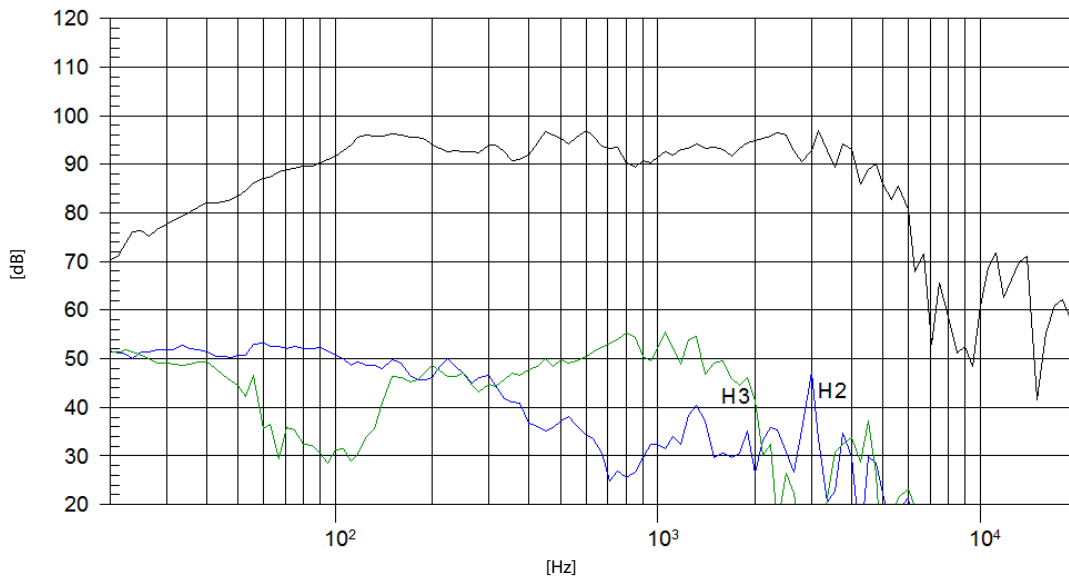
** T-S parameters are measured after an exercise period using a preconditioning power test. The measurements are carried out with a velocity-current laser transducer and will reflect the long term parameters (once the loudspeaker has been working for a short period of time).

*** 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