

#### KEY FEATURES

- 250W program power.
- Sensitivity 95 dB, 1W @ 1m .
- Extended controlled displacement:  $X_{max} \pm 6,5$  mm.
- Treated cloth surround.
- Smooth and flat response and low distortion.
- Suited for bass and midbass applications in small vented cabinets.
- Steel basket.
- Ferrite magnet.

#### TECHNICAL SPECIFICATIONS

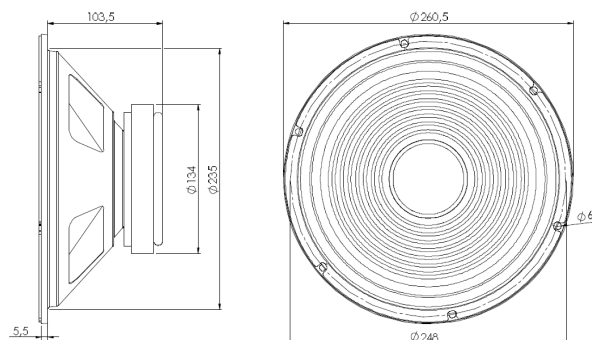
|                                    |                                        |              |
|------------------------------------|----------------------------------------|--------------|
| Nominal diameter                   | 250 mm                                 | 10 in        |
| Rated impedance                    |                                        | 8 $\Omega$   |
| Minimum impedance                  |                                        | 7,4 $\Omega$ |
| Power capacity*                    | 125 W <sub>RMS</sub>                   |              |
| Program power                      | 250 W                                  |              |
| Sensitivity                        | 95 dB 1W @ 1m @ 2 $\pi$                |              |
| Frequency range                    | 50 - 5.000 Hz                          |              |
| Recom. enclosure vol.              | 40 / 100 l 1,41 / 3,53 ft <sup>3</sup> |              |
| Voice coil diameter                | 38,5 mm                                | 1,5 in       |
| Magnetic assembly weight           | 2,75 kg                                | 6,06 lb      |
| BL factor                          | 12,2 N/A                               |              |
| Moving mass                        | 0,035 kg                               |              |
| Voice coil length                  | 16 mm                                  |              |
| Air gap height                     | 7 mm                                   |              |
| X <sub>damage</sub> (peak to peak) | 24,5 mm                                |              |

#### THIELE-SMALL PARAMETERS\*\*

|                                              |                      |
|----------------------------------------------|----------------------|
| Resonant frequency, $f_s$                    | 61 Hz                |
| D.C. Voice coil resistance, $R_e$            | 6,15 $\Omega$        |
| Mechanical Quality Factor, $Q_{ms}$          | 6,38                 |
| Electrical Quality Factor, $Q_{es}$          | 0,55                 |
| Total Quality Factor, $Q_{ts}$               | 0,51                 |
| Equivalent Air Volume to $C_{ms}$ , $V_{as}$ | 40,7 l               |
| Mechanical Compliance, $C_{ms}$              | 192 $\mu$ m / N      |
| Mechanical Resistance, $R_{ms}$              | 2,13 kg / s          |
| Efficiency, $\eta_0$                         | 1,60 %               |
| Effective Surface Area, $S_d$                | 0,039 m <sup>2</sup> |
| Maximum Displacement, $X_{max}$ ***          | 6,5 mm               |
| Displacement Volume, $V_d$                   | 195 cm <sup>3</sup>  |
| Voice Coil Inductance, $L_e$ @ 1 kHz         | 1,2 mH               |



#### DIMENSION DRAWINGS



#### MOUNTING INFORMATION

|                            |          |                      |
|----------------------------|----------|----------------------|
| Overall diameter           | 260,5 mm | 10,26 in             |
| Bolt circle diameter       | 248 mm   | 9,76 in              |
| Baffle cutout diameter:    |          |                      |
| - Front mount              | 235 mm   | 9,25 in              |
| - Rear mount               | 240 mm   | 9,45 in              |
| Depth                      | 103,5 mm | 4,07 in              |
| Volume displaced by driver | 2,5 l    | 0,09 ft <sup>3</sup> |
| Net weight                 | 2,93 kg  | 6,46 lb              |
| Shipping weight            | 3,30 kg  | 7,28 lb              |

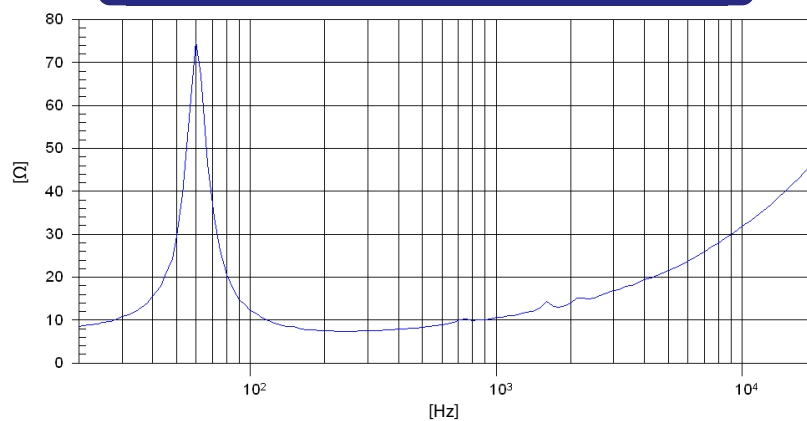
#### Notes:

\* 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.

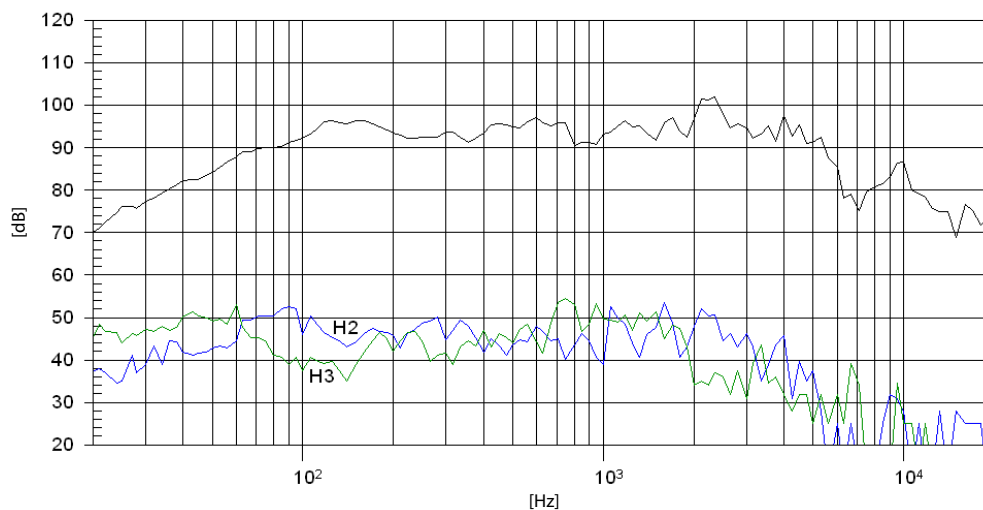
\*\* T-S parameters are measured after an exercise period using a preconditioning power test. The measurements are carried out with a velocity-current laser transducer and will reflect the long term parameters (once the loudspeaker has been working for a short period of time).

\*\*\* 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