

### TECHNICAL SPECIFICATIONS

|                     |                             |       |
|---------------------|-----------------------------|-------|
| Nominal diameter    | 380 mm                      | 15 in |
| Rated impedance     | 8 Ω                         |       |
| Minimum impedance   | 6,7 Ω                       |       |
| Power capacity*     | 400 W <sub>AES</sub>        |       |
| Program power       | 800 W                       |       |
| Sensitivity         | 95 dB @ 1W @ Z <sub>N</sub> |       |
| Frequency range     | 30 - 2.000 Hz               |       |
| Voice coil diameter | 76,2 mm                     | 3 in  |
| Air gap height      | 7 mm                        |       |
| Voice coil length   | 17,5 mm                     |       |
| BI factor           | 16,2 N/A                    |       |
| Moving mass         | 0,117 kg                    |       |
| Winding material    | Copper                      |       |
| Magnet material     | Ferrite                     |       |
| Cone material       | Paper cone                  |       |
|                     | Shiny treatment             |       |
| Frame material      | Steel                       |       |

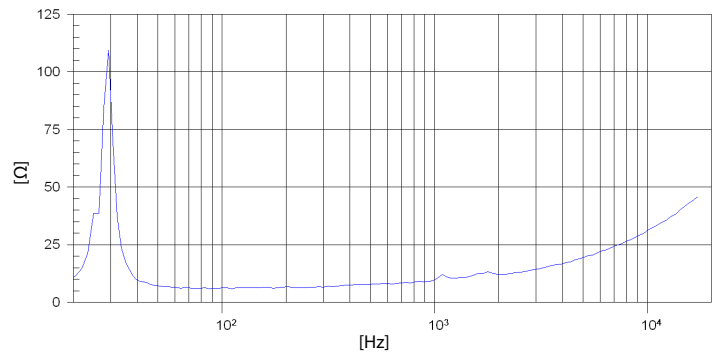
### MOUNTING INFORMATION

|                        |         |          |
|------------------------|---------|----------|
| Overall diameter       | 386 mm  | 15,2 in  |
| Bolt circle diameter   | 370 mm  | 14,5 in  |
| Baffle cutout diameter | 352 mm  | 13,8 in  |
| Depth                  | 160 mm  | 6,3 in   |
| Net weight             | 5,75 kg | 12,65 lb |

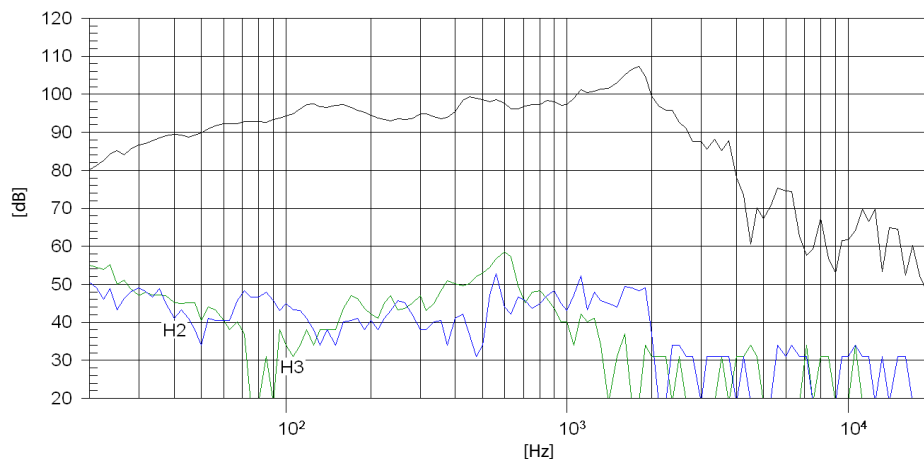
### THIELE-SMALL PARAMETERS\*\*

|  |                      |
|--|----------------------|
| Resonant frequency, $f_s$                    | 30 Hz                |
| D.C. Voice coil resistance, $R_e$            | 6,2 Ω                |
| Mechanical Quality Factor, $Q_{ms}$          | 8,97                 |
| Electrical Quality Factor, $Q_{es}$          | 0,52                 |
| Total Quality Factor, $Q_{ts}$               | 0,49                 |
| Equivalent Air Volume to $C_{ms}$ , $V_{as}$ | 260,1 l              |
| Mechanical Compliance, $C_{ms}$              | 237 μm / N           |
| Mechanical Resistance, $R_{ms}$              | 2,48 kg / s          |
| Efficiency, $\eta_0$                         | 1,31 %               |
| Effective Surface Area, $S_d$                | 0,088 m <sup>2</sup> |
| Maximum Displacement, $X_{max}^{***}$        | 7,2 mm               |
| Voice Coil Inductance, $L_e$                 | 1,2 mH               |

### FREE AIR IMPEDANCE CURVE



### FREQUENCY RESPONSE AND DISTORTION



Note: On axis frequency response measured with loudspeaker standing on infinite baffle in anechoic chamber, 2,83V @ 1m.

#### Notes:

This datasheet is done with the measurements of a laboratory prototype. Small differences may appear once the driver is transferred to the production line and manufactured in big quantities. Please refer to the serial datasheet for the definitive information of the average production.

\* 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.