

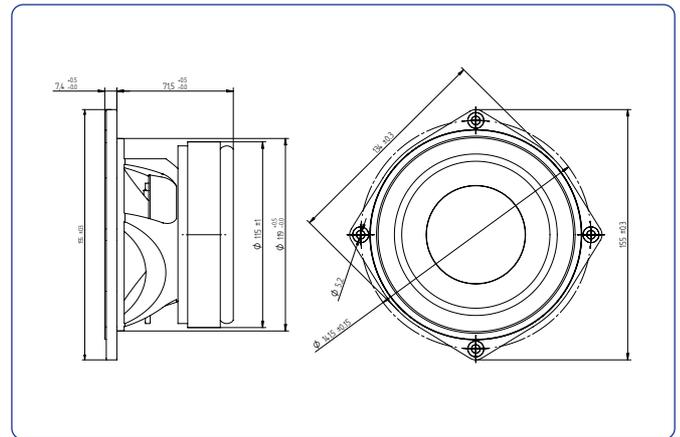
KEY FEATURES

- 300 W program power
- Sensitivity: 92 dB @ 2,83 V @ 1 m
- Extended controlled displacement: $X_{max} \pm 5,7$ mm
- Extended mechanical displacement capability: $X_{damage} \pm 16$ mm
- Designed with MMSS technology for high control, symmetry and linearity
- Demodulating ring for low harmonic distortion
- CONEX spider for higher resistance and consistency
- Waterproof paper cone with Santoprene™ surround
- Ferrite magnet

TECHNICAL SPECIFICATIONS

| | | |
|-----------------------------|-----------|-----------------------------|
| Nominal diameter | 127 mm | 5 in |
| Rated impedance | | 8 Ω |
| Minimum impedance | | 6,7 Ω |
| Power capacity* | | 150 W _{AES} |
| Program power | | 300 W |
| Sensitivity | 92 dB | 2.83v @ 1m @ 2 π |
| Frequency range | | 70 - 10.000 Hz |
| Recom. enclosure vol. | 10 / 20 l | 0,35 / 0,75 ft ³ |
| Voice coil diameter | 38 mm | 1,5 in |
| Magnetic assembly weight | 1,9 kg | 4,19 lb |
| BL factor | | 8,5 N/A |
| Moving mass | | 0,01 kg |
| Voice coil length | | 14 mm |
| Air gap height | | 6 mm |
| X_{damage} (peak to peak) | | 16 mm |

DIMENSION DRAWINGS



MOUNTING INFORMATION

| | | |
|----------------------------|----------|----------------------|
| Overall diameter | 155 mm | 6,1 in |
| Bolt circle diameter | 141,5 mm | 5,57 in |
| Baffle cutout diameter: | | |
| - Front mount | 119 mm | 4,69 in |
| - Rear mount | 122 mm | 4,8 in |
| Depth | 78,9 mm | 3,11 in |
| Volume displaced by driver | 0,5 l | 0,02 ft ³ |
| Net weight | 2,19 kg | 4,83 lb |
| Shipping weight | 2,47 kg | 5,45 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.

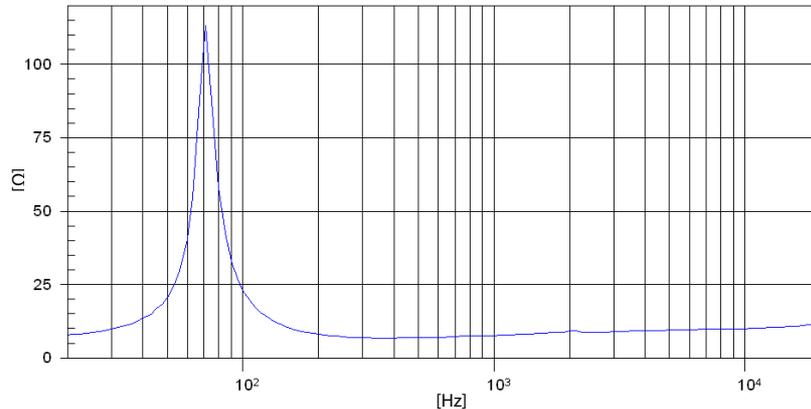
** T-S parameters are measured after an exercise period using a preconditioning power test. The measurements are carried out with a velocity-current laser transducer and will reflect the long term parameters (once the loudspeaker has been working for a short period of time).

*** 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.

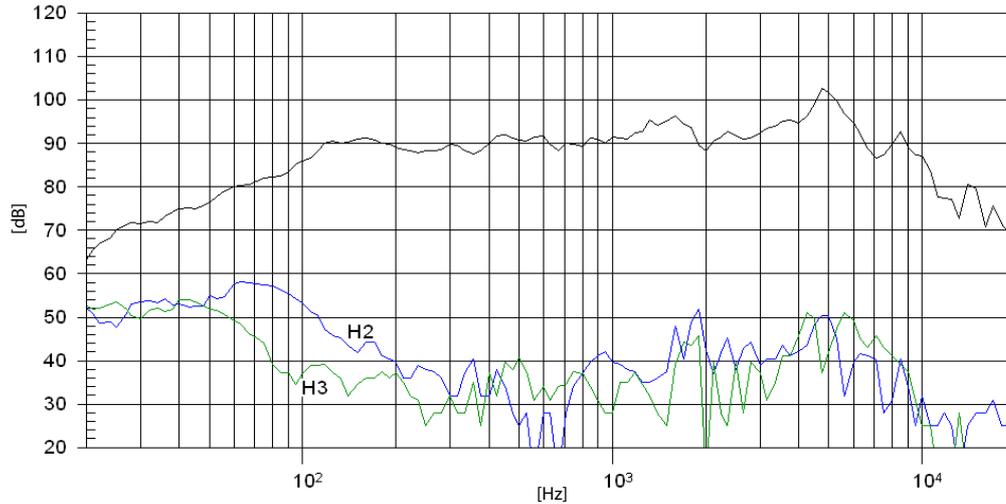
THIELE-SMALL PARAMETERS**

| | |
|--|--------------------|
| Resonant frequency, f_s | 72 Hz |
| D.C. Voice coil resistance, R_e | 5,2 Ω |
| Mechanical Quality Factor, Q_{ms} | 7,50 |
| Electrical Quality Factor, Q_{es} | 0,35 |
| Total Quality Factor, Q_{ts} | 0,33 |
| Equivalent Air Volume to C_{ms} , V_{as} | 5,69 l |
| Mechanical Compliance, C_{ms} | 451 μ m / N |
| Mechanical Resistance, R_{ms} | 0,65 kg / s |
| Efficiency, η_0 | 0,58 % |
| Effective Surface Area, S_d | 95 cm ² |
| Maximum Displacement, X_{max} *** | 5,7 mm |
| Displacement Volume, V_d | 49 cm ³ |
| Voice Coil Inductance, L_e @ 1 kHz | 0,6 mH |

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