

KEY FEATURES

- 300 W program power
- Sensitivity: 92 dB (1W / 1m)
- 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
- Shorting cap for extended response and low harmonic distortion
- Waterproof paper cone and Santoprene™ surround
- Neodymium magnet

TECHNICAL SPECIFICATIONS

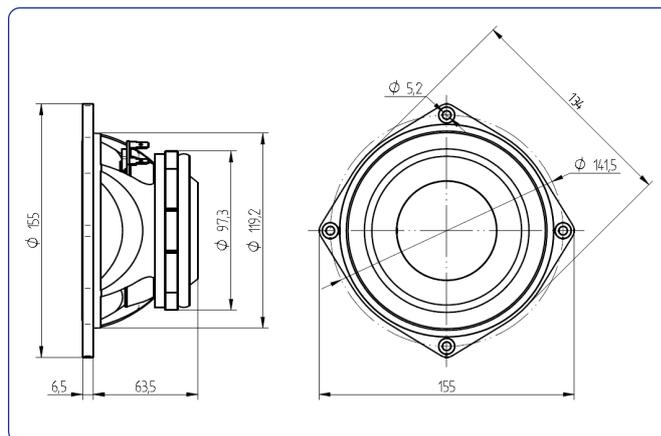
Nominal diameter	127 mm	5 in
Rated impedance		8 Ω
Minimum impedance		6,7 Ω
Power capacity*	150 W _{AES}	
Program power	300 W	
Sensitivity	92 dB	1W @ 1m @ Z _N
Frequency range	80 - 10.000 Hz	
Recom. enclosure vol.	3 / 20 l	0,10 / 0,70 ft ³
Voice coil diameter	38 mm	1,5 in
Bl factor		9,9 N/A
Moving mass		0,011 kg
Voice coil length		14 mm
Air gap height		6 mm
X _{damage} (peak to peak)		16 mm

THIELE-SMALL PARAMETERS**

Resonant frequency, f_s	78 Hz
D.C. Voice coil resistance, R_e	5,3 Ω
Mechanical Quality Factor, Q_{ms}	10,7
Electrical Quality Factor, Q_{es}	0,31
Total Quality Factor, Q_{ts}	0,30
Equivalent Air Volume to C_{ms} , V_{as}	4,5 l
Mechanical Compliance, C_{ms}	355 μ m / N
Mechanical Resistance, R_{ms}	0,5 kg / s
Efficiency, η_0	0,68 %
Effective Surface Area, S_d	0,0095 m ²
Maximum Displacement, X_{max} ***	5,7 mm
Displacement Volume, V_d	54,1 cm ³
Voice Coil Inductance, L_e @ 1 kHz	0,25 mH



DIMENSION DRAWINGS



MOUNTING INFORMATION

Overall diameter	155 mm	6,10 in
Bolt circle diameter	141,5 mm	5,57 in
Baffle cutout diameter:		
- Front mount	119 mm	4,69 in
Depth	71 mm	2,80 in
Net weight	1,25 kg	2,75 lb
Shipping weight	1,5 kg	3,30 lb

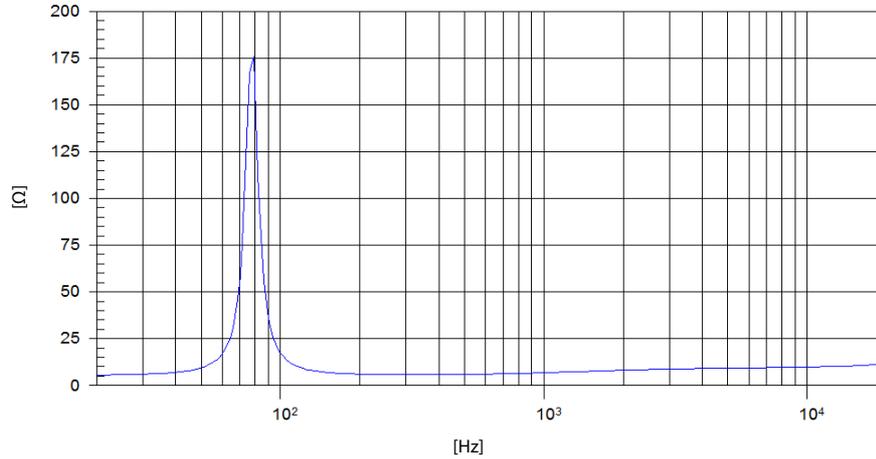
Notes:

* 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.

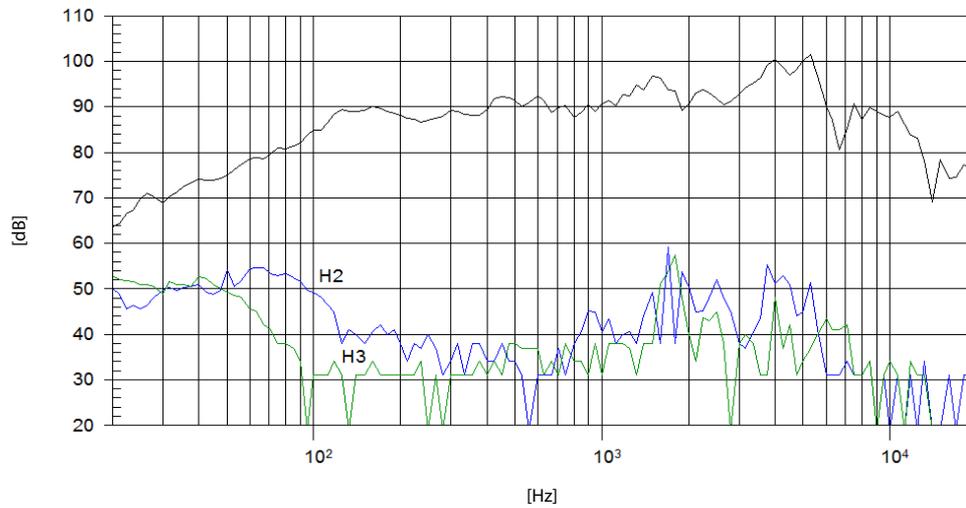
** T-S parameters are measured after an exercise period using a preconditioning power test. The measurements are carried out with a velocity-current laser transducer and will reflect the long term parameters (once the loudspeaker has been working for a short period of time).

*** 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