

#### 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

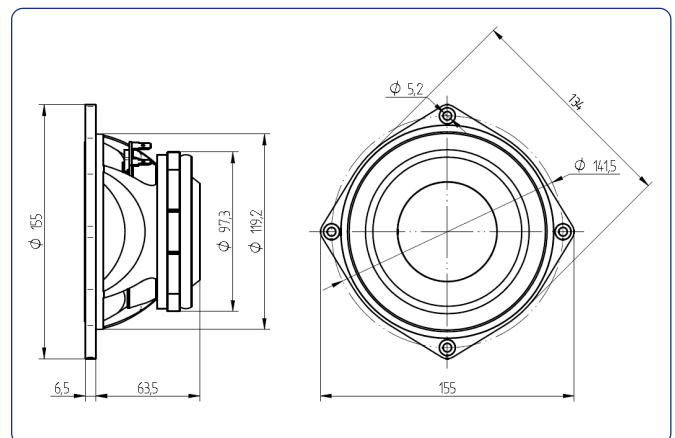
Nominal diameter	127 mm	5 in
Rated impedance		8 $\Omega$
Minimum impedance		6,7 $\Omega$
Power capacity*	150 W <sub>AES</sub>	
Program power	300 W	
Sensitivity	92 dB	1W @ 1m @ Z <sub>N</sub>
Frequency range	80 - 10.000 Hz	
Recom. enclosure vol.	3 / 20 l	0,10 / 0,70 ft <sup>3</sup>
Voice coil diameter	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 <sub>damage</sub> (peak to peak)		16 mm

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

Resonant frequency, $f_s$	78 Hz
D.C. Voice coil resistance, $R_e$	5,3 $\Omega$
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 $\mu$ m / N
Mechanical Resistance, $R_{ms}$	0,5 kg / s
Efficiency, $\eta_0$	0,68 %
Effective Surface Area, $S_d$	0,0095 m <sup>2</sup>
Maximum Displacement, $X_{max}$ ***	5,7 mm
Displacement Volume, $V_d$	54,1 cm <sup>3</sup>
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

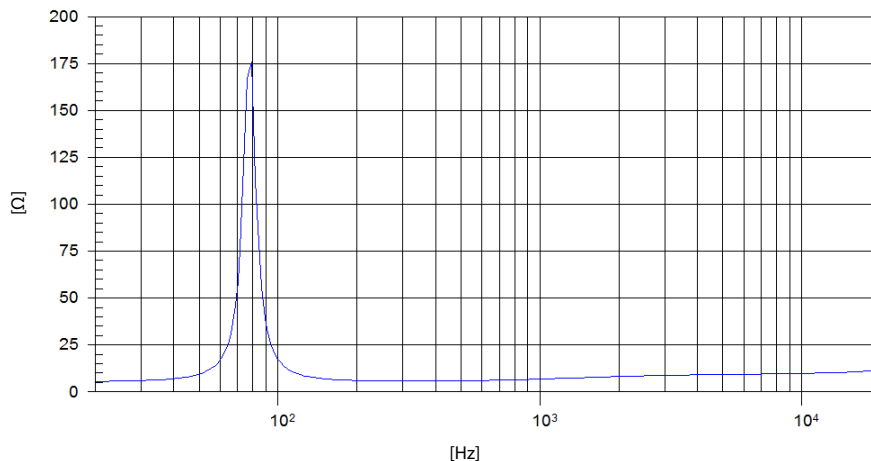
#### Notes:

\* 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.

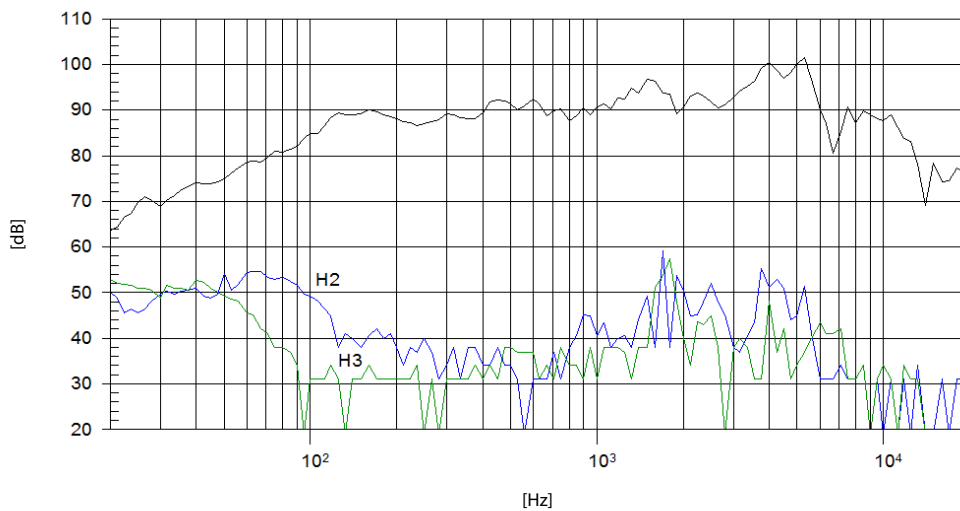
\*\* T-S parameters are measured after an exercise period using a preconditioning power test. The measurements are carried out with a velocity-current laser transducer and will reflect the long term parameters (once the loudspeaker has been working for a short period of time).

\*\*\* 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