

KEY FEATURES

- 600 W program power
- Sensitivity: 95 dB
- Extended controlled displacement: $X_{\max} \pm 6$ mm
- Extended mechanical displacement capability: $X_{\text{damage}} \pm 24$ mm
- Designed with MMSS technology for high control, symmetry and linearity
- Shorting cup for low harmonic distortion
- CONEX spider for higher resistance and consistency
- Waterproof carbon fiber loaded paper cone with Santoprene™ surround
- Ferrite magnet

TECHNICAL SPECIFICATIONS

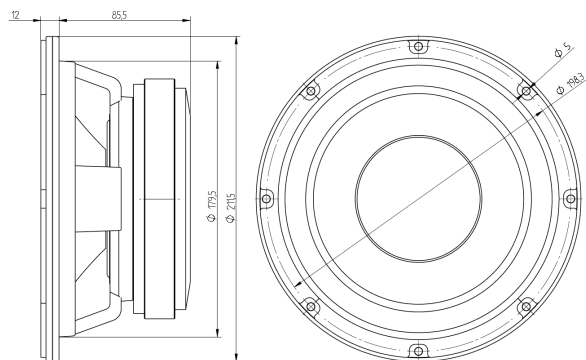
Nominal diameter	200 mm	8 in
Rated impedance		8 Ω
Minimum impedance		6,7 Ω
Power capacity*	300 W _{AES}	
Program power	600 W	
Sensitivity	95 dB	1W / 1m @ Z_N
Frequency range	50 - 8000 Hz	
Recom. enclosure vol.	10 / 30 l	0,35 / 1,06 ft ³
Voice coil diameter	63,5 mm	2,5 in
Magnetic assembly weight	3 kg	6,61 lb
BL factor		11 N/A
Moving mass	0.022 kg	
Voice coil length	15 mm	
Air gap height	7 mm	
X_{damage} (peak to peak)	24 mm	

THIELE-SMALL PARAMETERS**

Resonant frequency, f_s	61 Hz
D.C. Voice coil resistance, R_e	5,2 Ω
Mechanical Quality Factor, Q_{ms}	9,54
Electrical Quality Factor, Q_{es}	0,34
Total Quality Factor, Q_{ts}	0,33
Equivalent Air Volume to C_{ms} , V_{as}	21,49 l
Mechanical Compliance, C_{ms}	318 $\mu\text{m} / \text{N}$
Mechanical Resistance, R_{ms}	0,85 kg / s
Efficiency, η_0	1,39 %
Effective Surface Area, S_d	0.022 m ²
Maximum Displacement, $X_{\max}$ ***	6 mm
Displacement Volume, V_d	130 cm ³
Voice Coil Inductance, L_e @ 1 kHz	0,8 mH



DIMENSION DRAWINGS



MOUNTING INFORMATION

Overall diameter	211,5 mm	8,33 in
Bolt circle diameter	198,3 mm	7,81 in
Baffle cutout diameter:		
- Front mount	179,5 mm	7,07 in
- Rear mount	182,5 mm	7,19 in
Depth	97,5 mm	3,84 in
Volume displaced by driver	1,5 l	0,056 ft ³
Net weight	4,03 kg	8,88 lb
Shipping weight	4,23 kg	9,32 lb

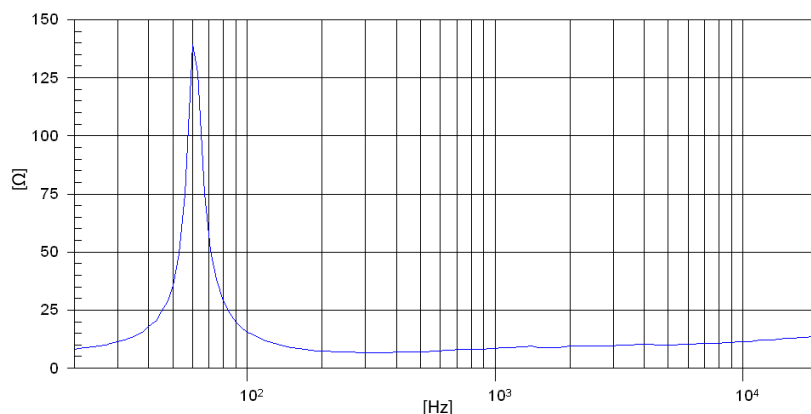
Notes:

* 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.

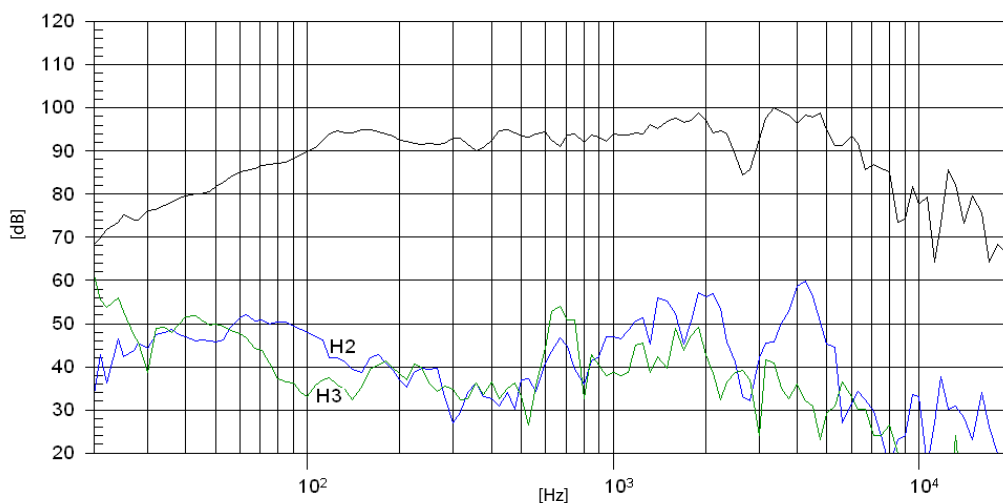
** T-S parameters are measured after an exercise period using a preconditioning power test. The measurements are carried out with a velocity-current laser transducer and will reflect the long term parameters (once the loudspeaker has been working for a short period of time).

*** 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