

### KEY FEATURES

- 600 W program power
- Sensitivity: 95,4 dB @ 2,83 V @ 1 m
- Extended controlled displacement:  $X_{max} \pm 6$  mm
- Extended mechanical displacement capability:  $X_{damage} \pm 24$  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 carbon fiber loaded paper cone with Santoprene™ surround
- Ferrite magnet

### TECHNICAL SPECIFICATIONS

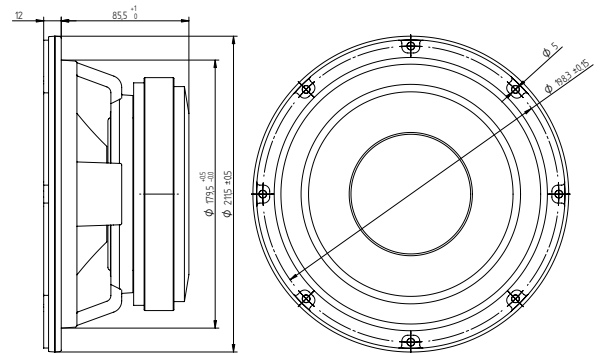
Nominal diameter	200 mm	8 in
Rated impedance		8 $\Omega$
Minimum impedance		6,7 $\Omega$
Power capacity*	300 W <sub>AES</sub>	
Program power	600 W	
Sensitivity	95,4 dB	2.83v @ 1m @ 2 $\pi$
Frequency range		50 - 8000 Hz
Recom. enclosure vol.	10 / 30 l	0,35 / 1,06 ft <sup>3</sup>
Voice coil diameter	63,5 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 $\Omega$
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 $\mu$ m / N
Mechanical Resistance, $R_{ms}$	0,85 kg / s
Efficiency, $\eta_0$	1,39 %
Effective Surface Area, $S_d$	0.022 m <sup>2</sup>
Maximum Displacement, $X_{max}$ ***	6 mm
Displacement Volume, $V_d$	100 m <sup>3</sup>
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 <sup>3</sup>
Net weight	4,03 kg	8,88 lb
Shipping weight	4,23 kg	9,32 lb

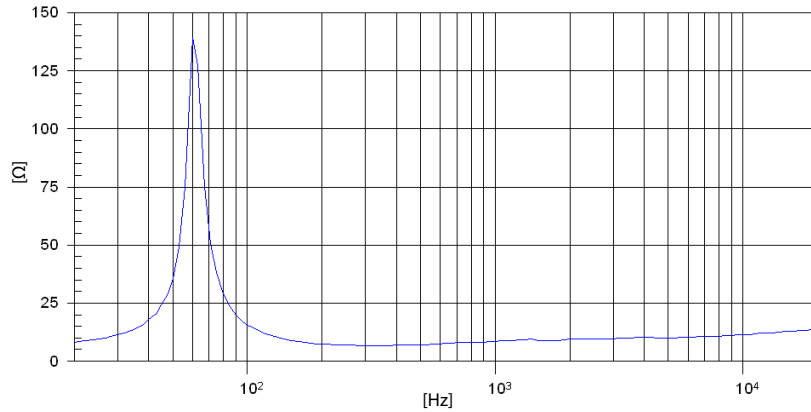
#### Notes:

\* 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.

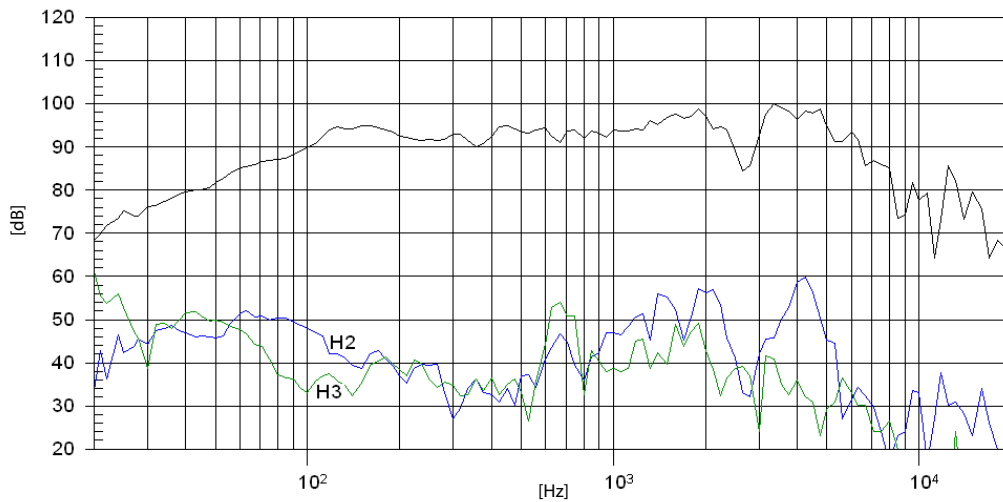
\*\* T-S parameters are measured after an exercise period using a preconditioning power test. The measurements are carried out with a velocity-current laser transducer and will reflect the long term parameters (once the loudspeaker has been working for a short period of time).

\*\*\* 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