

GENERAL CHARACTERISTICS

Nominal Overall Diameter	207	mm
Nominal Voice Coil Diameter	25	mm
Magnet Weight	200	g
Flux Density.....	0.96	T
Weight	1.18	Kg

THIELE-SMALL PARAMETERS

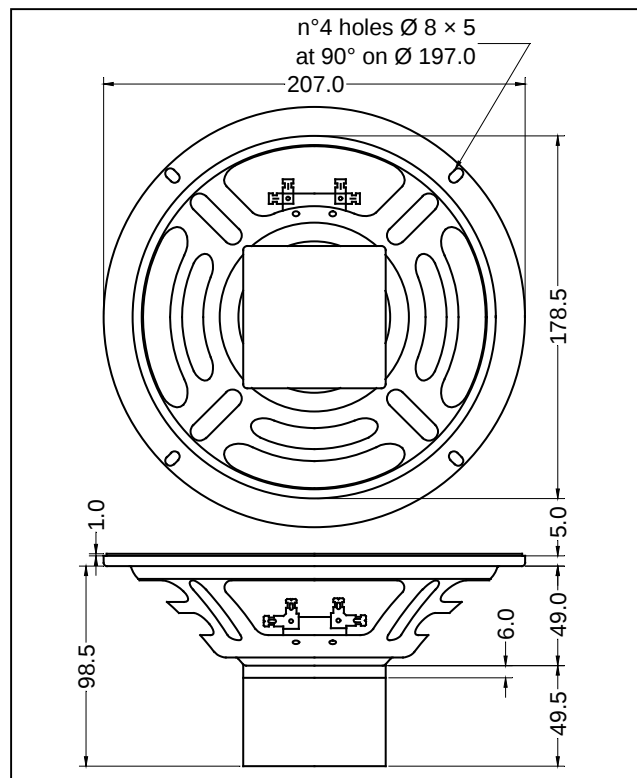
Voice Coil DC Resistance	R_E	3.07	Ω
Resonance Frequency	f_s	132.6	Hz
Mechanical Q Factor.....	Q_{MS}	8.87	
Electrical Q Factor.....	Q_{ES}	2.06	
Total Q Factor	Q_{TS}	1.67	
Mechanical Moving Mass	M_{MS}	8.9	g
Mechanical Compliance	C_{MS}	161	$\mu\text{m/N}$
Force Factor	$B \times l$	3.33	Wb/m
Equivalent Acoustic Volume.....	V_{AS}	10.4	lt.
Maximum Linear Displacement	X_{MAX}	+/-1.0	mm
Reference Efficiency	η_0	1.13	%
Diaphragm Area	S_D	213.8	cm^2
Losses Electrical Resistance.....	R_{ES}	13.2	Ω
Voice Coil Inductance @ 1kHz	L_E	0.21	mH

CONSTRUCTIVE CHARACTERISTICS

Magnet	AlNiCo
Voice Coil Winding.....	Copper
Voice Coil Former.....	Kapton
Cone	Paper
Surround.....	Paper - Integrated
Dust Dome	Solid Paper
Basket	Pressed Sheet Steel

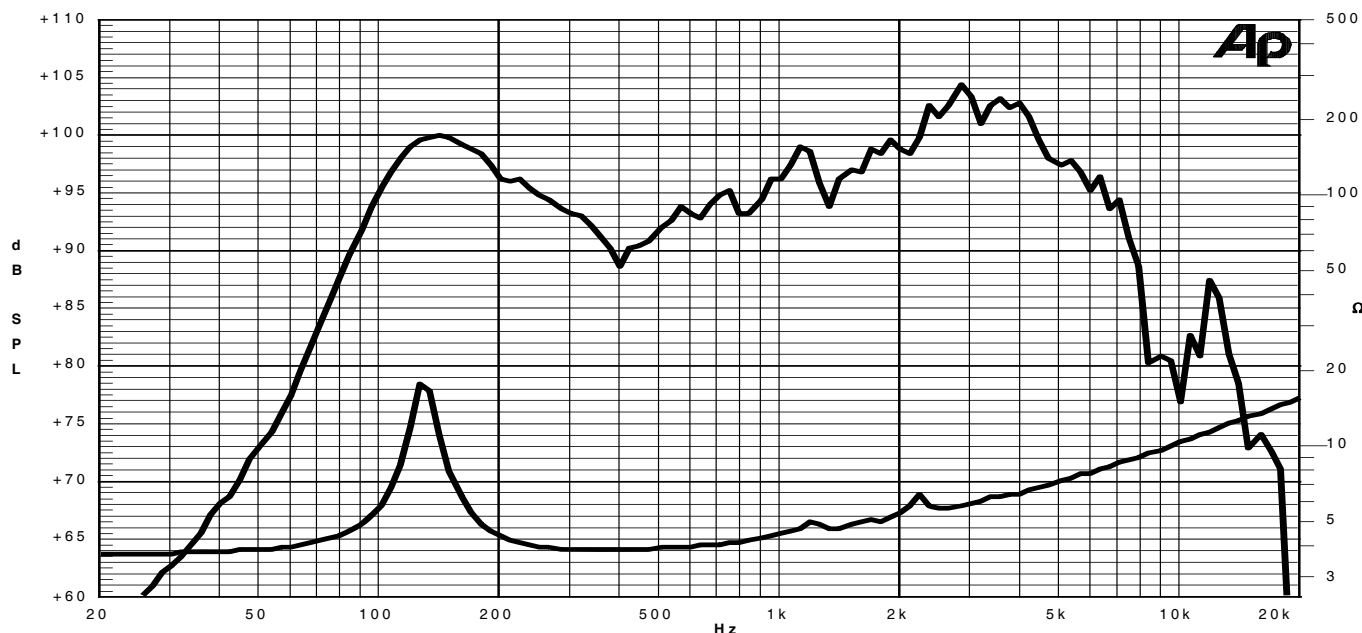
ELECTRICAL CHARACTERISTICS

Nominal Impedance.....	4	Ω
Musical Power	50	W
Rated Power*	25	W
Sensitivity @ 1 W, 1 m	93.9	dB



*rated power measured with 2 hours test with pink noise signal, 6 dB crest factor, loudspeaker mounted on enclosure
Thiele-Small parameters measured with LASER system

Frequency Response on IEC Baffle (DIN 45575) @ 1 W, 1 m - Free Air Impedance



Due to continuing product improvement, the features and the design are subject to change without notice.

16/05/14