

GENERAL CHARACTERISTICS

Nominal Overall Diameter	259	mm
Nominal Voice Coil Diameter	25	mm
Magnet Weight	200	g
Flux Density.....	0.96	T
Weight	1.40	Kg

THIELE-SMALL PARAMETERS

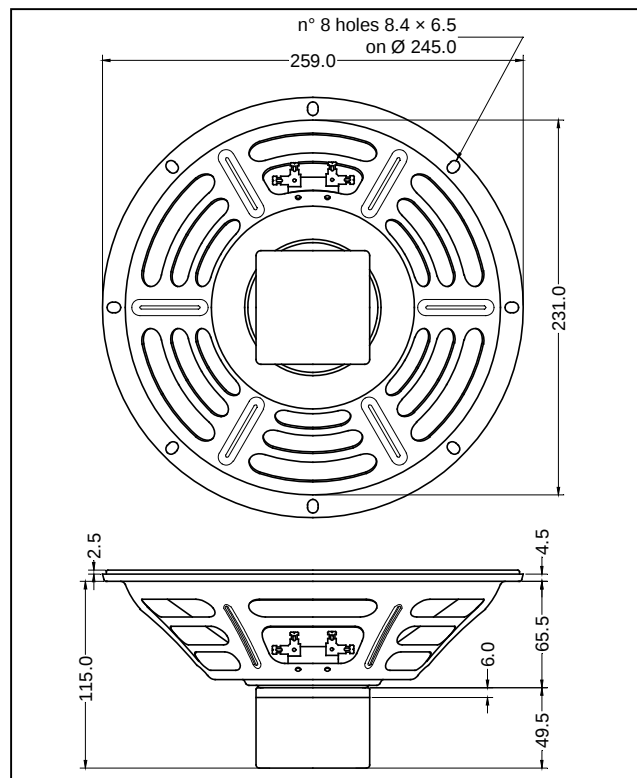
Voice Coil DC Resistance	R_E	3.32	Ω
Resonance Frequency	f_s	99.0	Hz
Mechanical Q Factor.....	Q_{MS}	19.30	
Electrical Q Factor.....	Q_{ES}	1.45	
Total Q Factor	Q_{TS}	1.35	
Mechanical Moving Mass	M_{MS}	16.5	g
Mechanical Compliance	C_{MS}	156	$\mu\text{m/N}$
Force Factor	$B \times l$	4.85	Wb/m
Equivalent Acoustic Volume.....	V_{AS}	24.2	lt.
Maximum Linear Displacement	X_{MAX}	+/-1.0	mm
Reference Efficiency	η_0	1.56	%
Diaphragm Area	S_D	330.1	cm^2
Losses Electrical Resistance.....	R_{ES}	41.7	Ω
Voice Coil Inductance @ 1kHz	L_E	0.35	mH

CONSTRUCTIVE CHARACTERISTICS

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

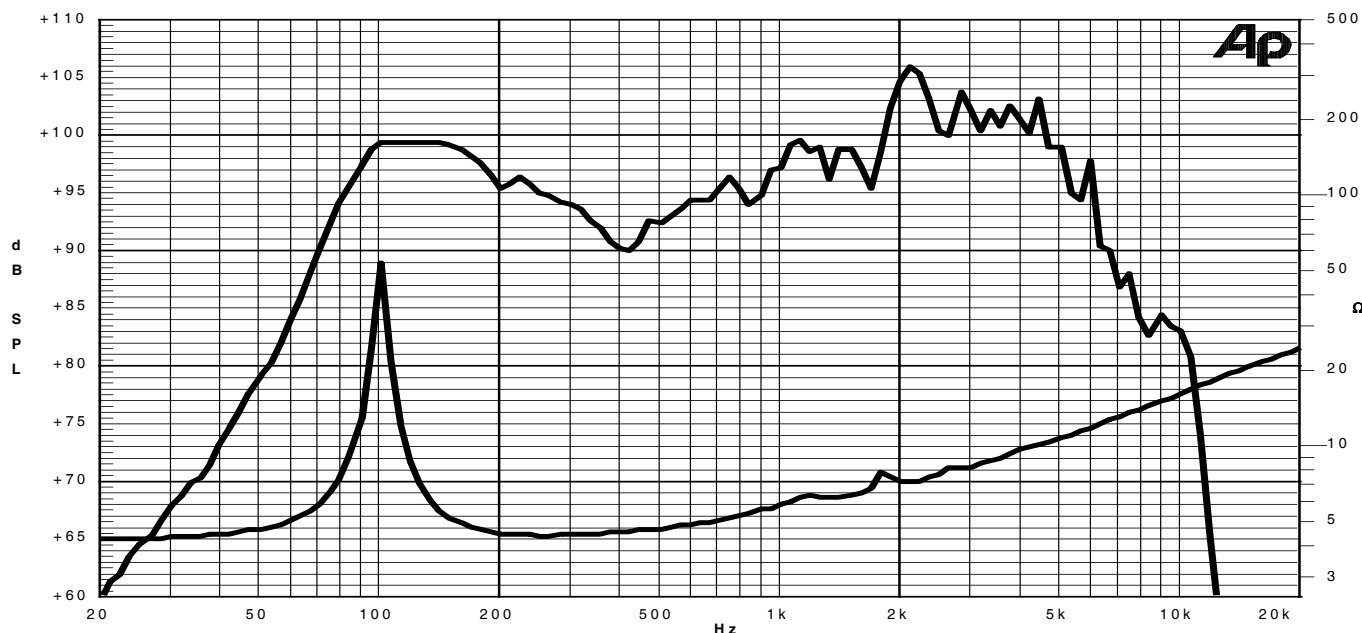
ELECTRICAL CHARACTERISTICS

Nominal Impedance.....	4	Ω
Musical Power	50	W
Rated Power*	25	W
Sensitivity @ 1 W, 1 m	94.9	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.

28/02/14