

GENERAL CHARACTERISTICS

Nominal Overall Diameter	259	mm
Nominal Voice Coil Diameter	32	mm
Magnet Weight	426	g
Flux Density.....	0.92	T
Weight	1.64	Kg

THIELE-SMALL PARAMETERS

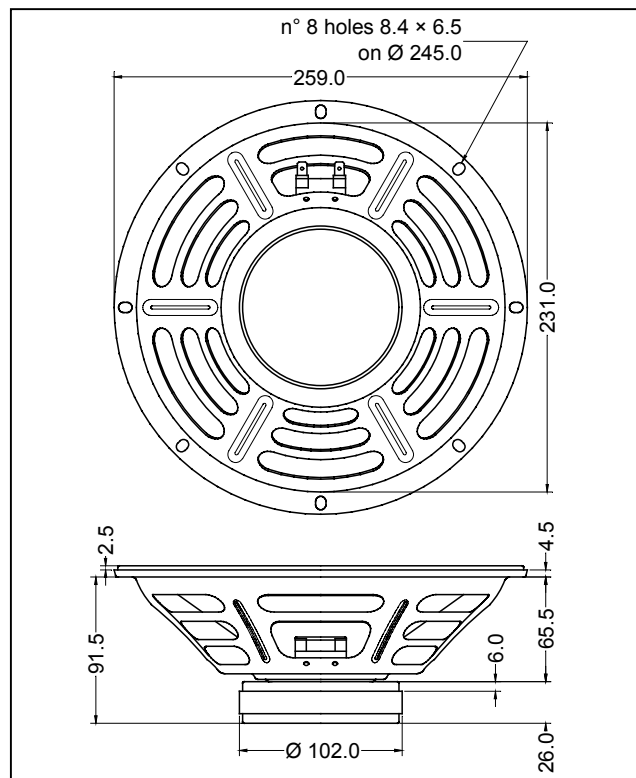
Voice Coil DC Resistance	R_E	3.22	Ω
Resonance Frequency	f_s	94.9	Hz
Mechanical Q Factor.....	Q_{MS}	10.78	
Electrical Q Factor.....	Q_{ES}	1.49	
Total Q Factor	Q_{TS}	1.31	
Mechanical Moving Mass	M_{MS}	19.9	g
Mechanical Compliance	C_{MS}	141	$\mu\text{m/N}$
Force Factor	$B \times l$	5.07	Wb/m
Equivalent Acoustic Volume.....	V_{AS}	21.7	lt.
Maximum Linear Displacement	X_{MAX}	+/-1.5	mm
Reference Efficiency	η_0	1.20	%
Diaphragm Area	S_D	330.1	cm^2
Losses Electrical Resistance.....	R_{ES}	23.3	Ω
Voice Coil Inductance @ 1kHz	L_E	0.40	mH

CONSTRUCTIVE CHARACTERISTICS

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

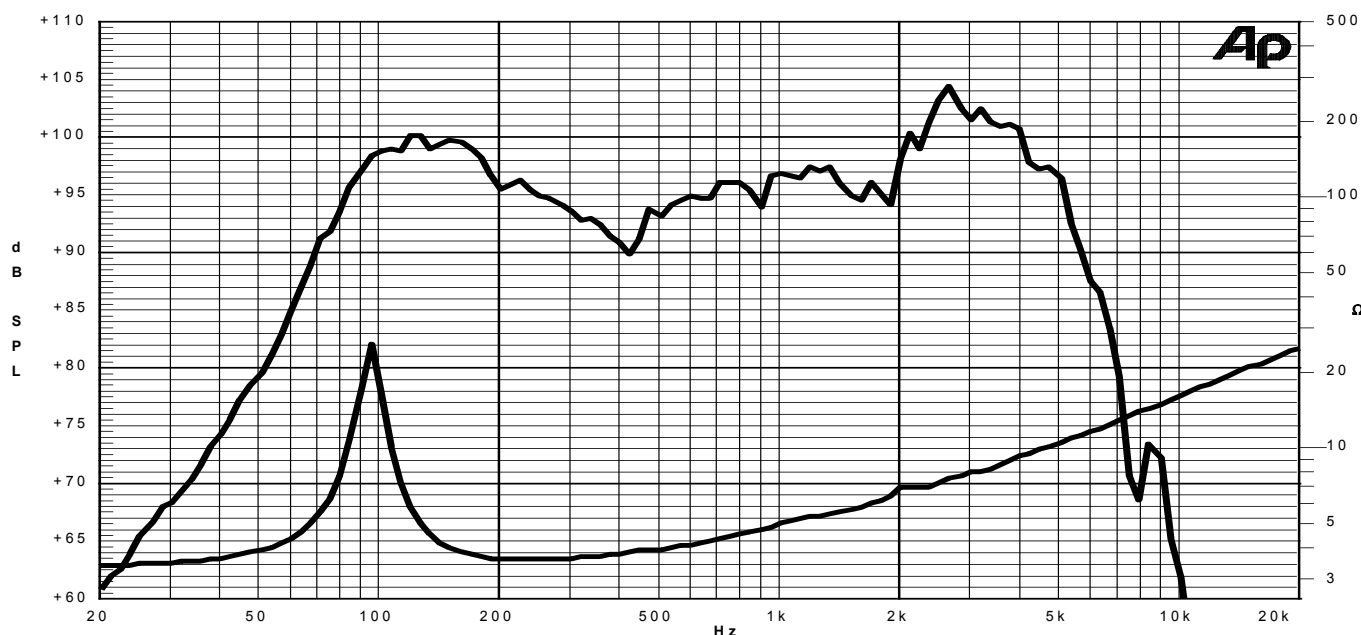
ELECTRICAL CHARACTERISTICS

Nominal Impedance.....	4	Ω
Musical Power	70	W
Rated Power*	35	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 1 ASFR system

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



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

06/05/09