

GENERAL CHARACTERISTICS

Nominal Overall Diameter	320	mm
Nominal Voice Coil Diameter	75	mm
Magnet Weight	1800	g
Flux Density.....	1.18	T
Weight.....	7.50	Kg

THIELE-SMALL PARAMETERS

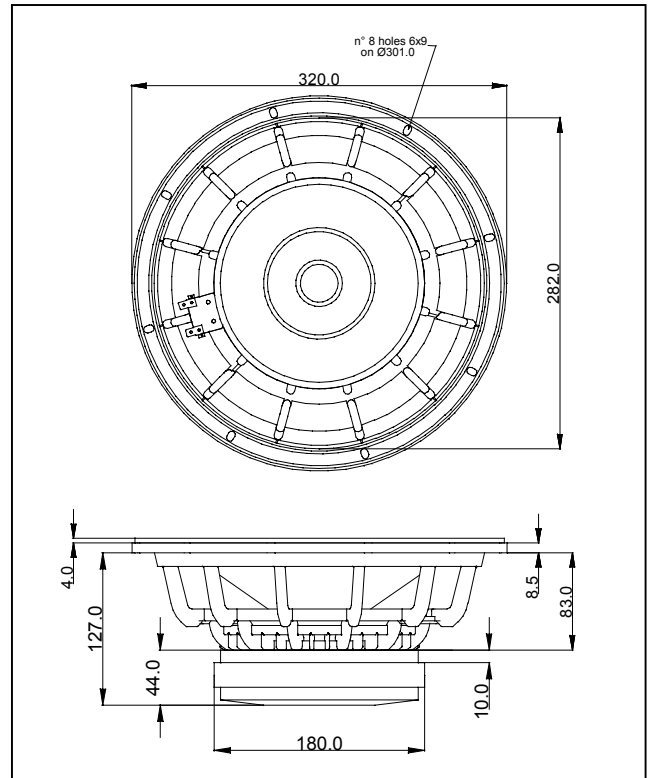
Voice Coil DC Resistance	R_E	5.07	Ω
Resonance Frequency	f_s	54.8	Hz
Mechanical Q Factor.....	Q_{MS}	9.11	
Electrical Q Factor.....	Q_{ES}	0.25	
Total Q Factor	Q_{TS}	0.24	
Mechanical Moving Mass	M_{MS}	54.3	g
Mechanical Compliance	C_{MS}	160	μm/N
Force Factor	$B \times l$	19.51	Wb/m
Equivalent Acoustic Volume.....	V_{AS}	53.1	lt.
Maximum Linear Displacement	X_{MAX}	+/-2.5	mm
Reference Efficiency	η_0	3.36	%
Diaphragm Area	S_D	490.8	cm ²
Losses Electrical Resistance.....	R_{ES}	185.5	Ω
Voice Coil Inductance @ 1kHz	L_E	1.02	mH

CONSTRUCTIVE CHARACTERISTICS

Magnet.....	Ferrite
Voice Coil Winding.....	Copper
Voice Coil Former.....	Kapton
Cone	Paper
Surround.....	Treated Cloth
Dust Dome	Solid Paper
Basket	Aluminium Die-Cast

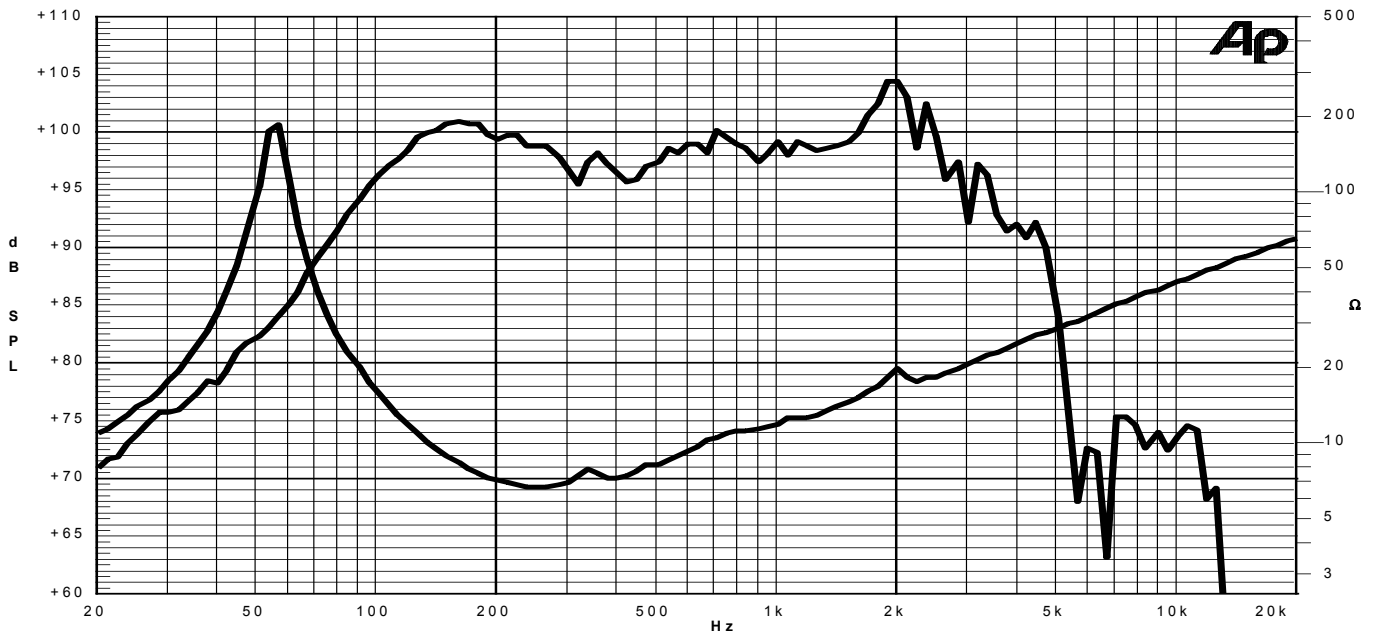
ELECTRICAL CHARACTERISTICS

Nominal Impedance.....	8	Ω
Musical Power	700	W
Rated Power*	350	W
Sensitivity @ 1 W, 1 m	99.4	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 - Impedance



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

23/03/07