SICA
LOUDSPEAKERS

8"- 500W Professional Woofer

LP 210.65/N220 T 16 Ω

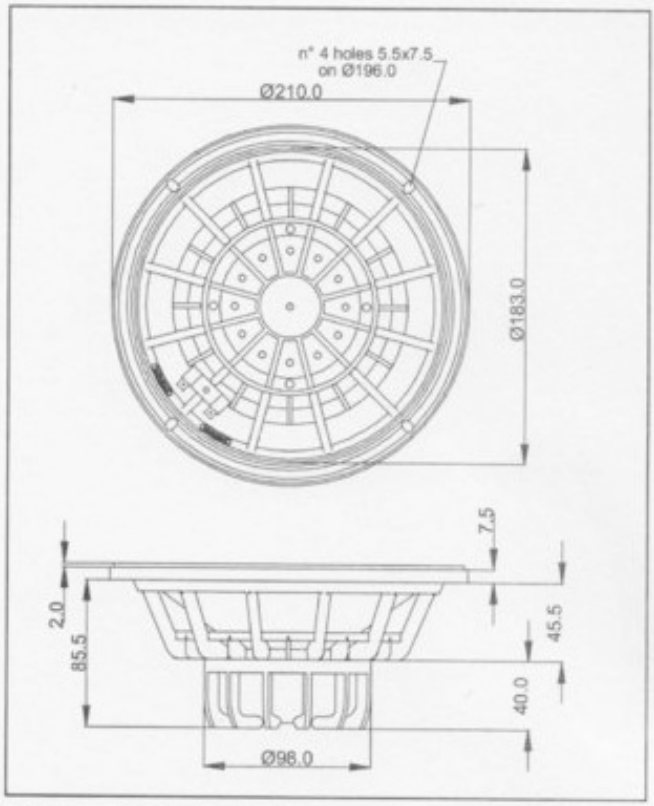
Code Z005351

GENERAL CHARACTERISTICS		
Nominal Overall Diameter	210	mm
Nominal Voice Coil Diameter	65	mm
Magnet Weight	220	g
Flux Density	1.22	T
Weight	1.80	Kg

ELECTRICAL CHARACTERISTICS		
Nominal Impedance	16	Ω
Musical Power	500	W
Rated Power*	250	W
Sensitivity @ 1 W, 1 m	96.4	dB

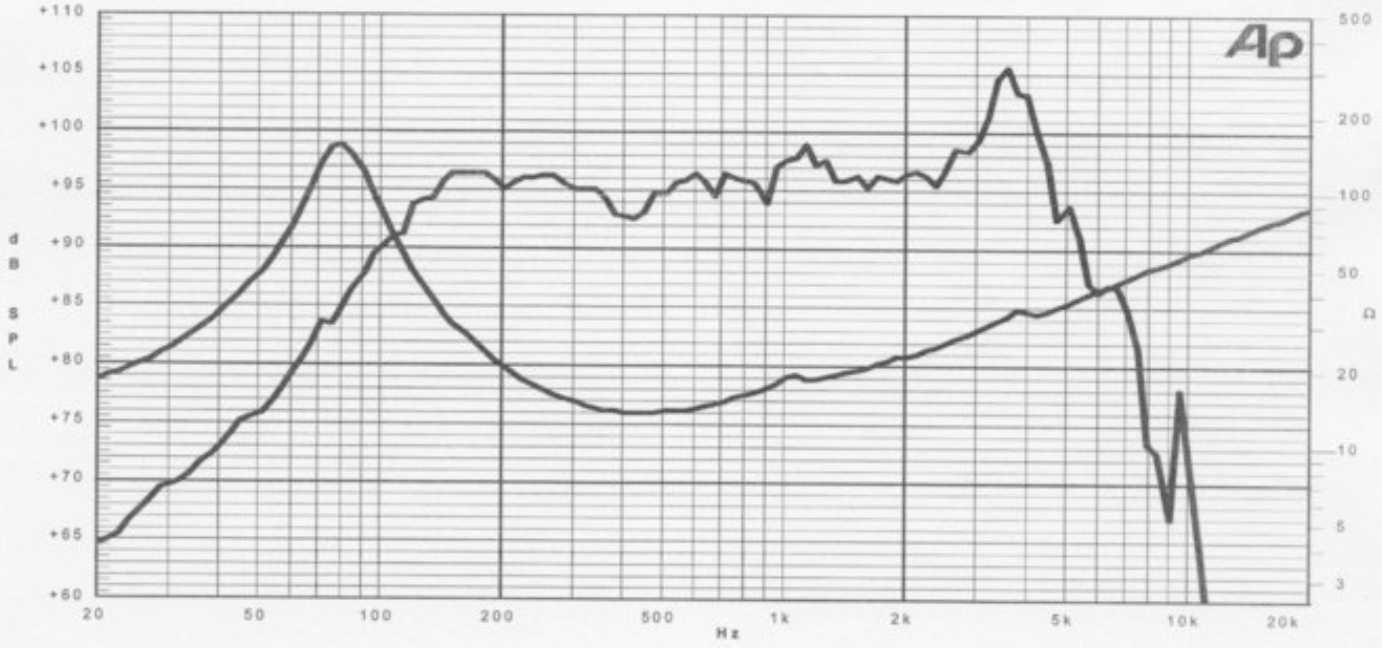
THIELE-SMALL PARAMETERS			
Voice Coil DC Resistance	R_E	11.87	Ω
Resonance Frequency	f_s	79.2	Hz
Mechanical Q Factor	Q_{MS}	3.46	
Electrical Q Factor	Q_{ES}	0.31	
Total Q Factor	Q_{TS}	0.28	
Mechanical Moving Mass	M_{MS}	20.9	g
Mechanical Compliance	C_{MS}	190	µm/N
Force Factor	$B \times l$	20.06	Wb/m
Equivalent Acoustic Volume	V_{AS}	12.5	lt.
Maximum Linear Displacement	X_{MAX}	+/-2.0	mm
Reference Efficiency	η_0	1.94	%
Diaphragm Area	S_D	213.8	cm^2
Losses Electrical Resistance	R_{ES}	133.7	Ω
Voice Coil Inductance @ 1kHz	L_E	1.18	mH

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



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. 04/12/06

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