

GENERAL CHARACTERISTICS

Nominal Overall Diameter	166	mm
Nominal Voice Coil Diameter	65	mm
Magnet Weight	220	g
Flux Density.....	1.14	T
Weight.....	1.65	Kg

THIELE-SMALL PARAMETERS

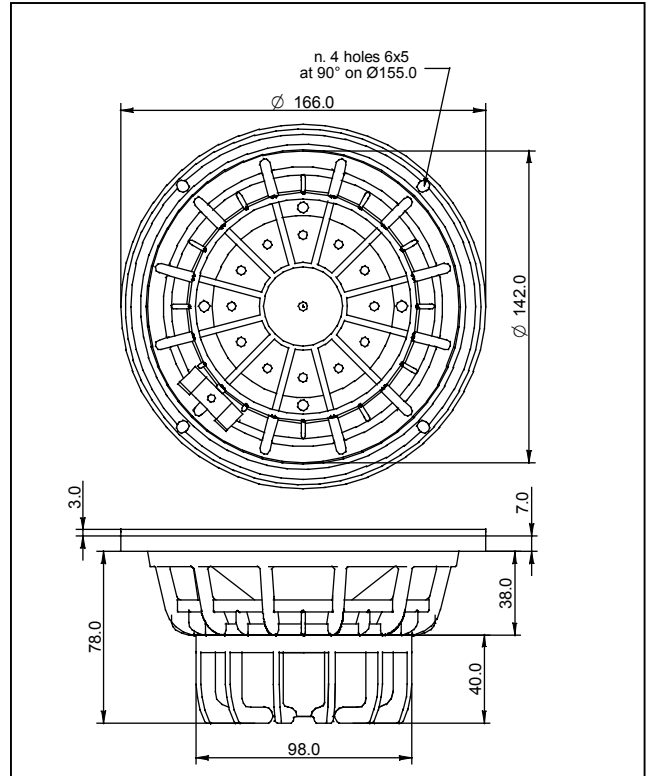
Voice Coil DC Resistance	R_E	12.02	Ω
Resonance Frequency	f_s	86.8	Hz
Mechanical Q Factor.....	Q_{MS}	3.24	
Electrical Q Factor.....	Q_{ES}	0.32	
Total Q Factor	Q_{TS}	0.29	
Mechanical Moving Mass	M_{MS}	15.2	g
Mechanical Compliance	C_{MS}	220	μm/N
Force Factor	$B \times l$	17.76	Wb/m
Equivalent Acoustic Volume.....	V_{AS}	4.7	lt.
Maximum Linear Displacement	X_{MAX}	+/-4.0	mm
Reference Efficiency	η_0	0.93	%
Diaphragm Area	S_D	122.7	cm ²
Losses Electrical Resistance.....	R_{ES}	122.8	Ω
Voice Coil Inductance @ 1kHz	L_E	0.93	mH

CONSTRUCTIVE CHARACTERISTICS

Magnet.....	Neodymium
Voice Coil Winding.....	Aluminium
Voice Coil Former.....	Fiberglass
Cone	Paper
Surround.....	Treated Cloth
Dust Dome	Solid Paper
Basket	Aluminium Die-Cast

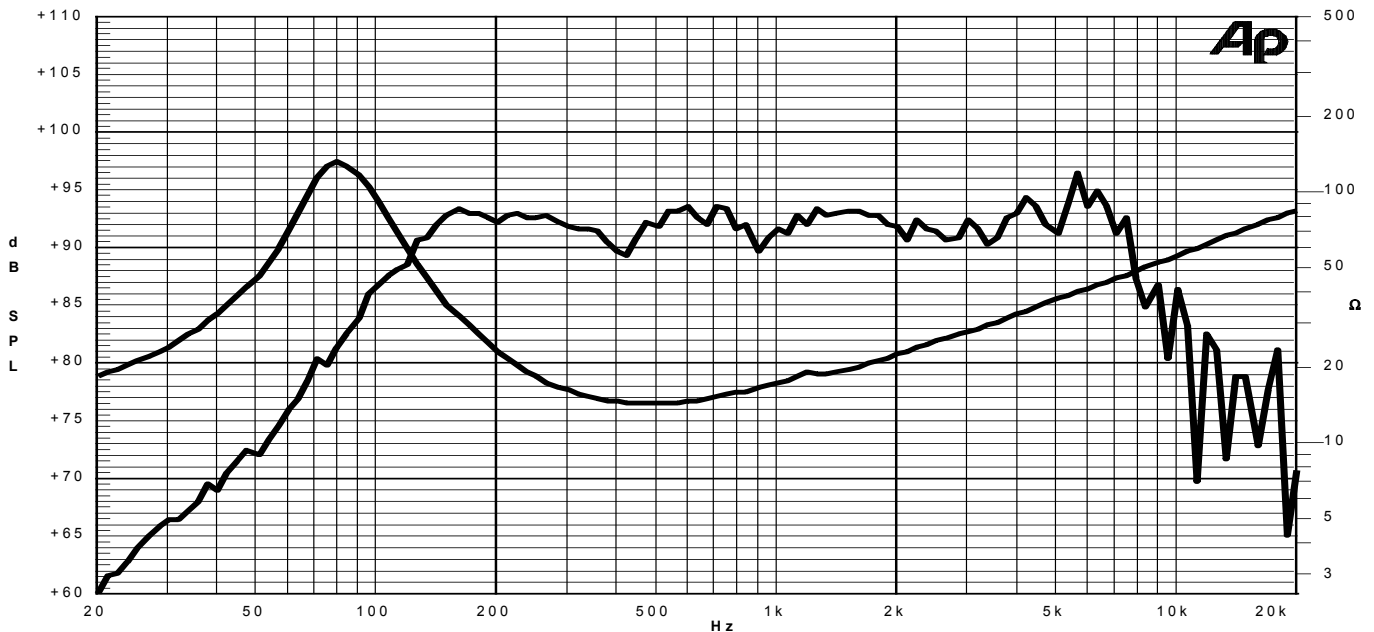
ELECTRICAL CHARACTERISTICS

Nominal Impedance.....	16	Ω
Musical Power	500	W
Rated Power*	250	W
Sensitivity @ 1 W, 1 m	93.1	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.

07/05/08