

#### GENERAL CHARACTERISTICS

Nominal Overall Diameter .....	385	mm
Nominal Voice Coil Diameter .....	65	mm
Magnet Weight .....	1450	g
Flux Density.....	0.81	T
Weight .....	5.44	Kg

#### THIELE-SMALL PARAMETERS

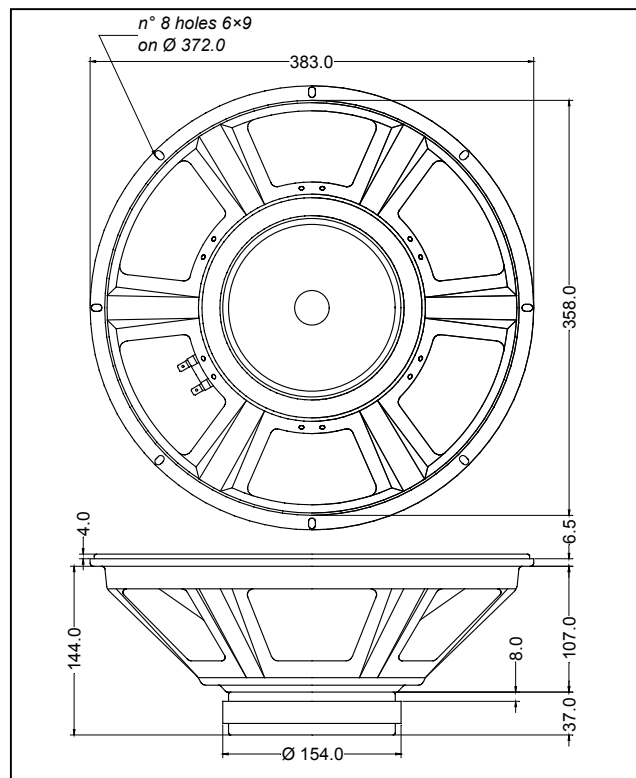
Voice Coil DC Resistance .....	$R_E$	6.30	$\Omega$
Resonance Frequency .....	$f_s$	36.3	Hz
Mechanical Q Factor.....	$Q_{MS}$	17.94	
Electrical Q Factor.....	$Q_{ES}$	0.41	
Total Q Factor .....	$Q_{TS}$	0.40	
Mechanical Moving Mass .....	$M_{MS}$	91.4	g
Mechanical Compliance .....	$C_{MS}$	211	$\mu\text{m/N}$
Force Factor .....	$B \times l$	18.09	Wb/m
Equivalent Acoustic Volume.....	$V_{AS}$	168.7	lt.
Maximum Linear Displacement ....	$X_{MAX}$	+/-7.0	mm
Reference Efficiency .....	$\eta_0$	1.91	%
Diaphragm Area .....	$S_D$	754.8	$\text{cm}^2$
Losses Electrical Resistance.....	$R_{ES}$	281.2	$\Omega$
Voice Coil Inductance @ 1kHz .....	$L_E$	3.37	mH

#### CONSTRUCTIVE CHARACTERISTICS

Magnet.....	Ferrite
Voice Coil Winding.....	Copper
Voice Coil Former.....	Fiberglass
Cone .....	Paper
Surround.....	Treated Cloth
Dust Dome .....	Solid Paper
Basket .....	Pressed Sheet Steel

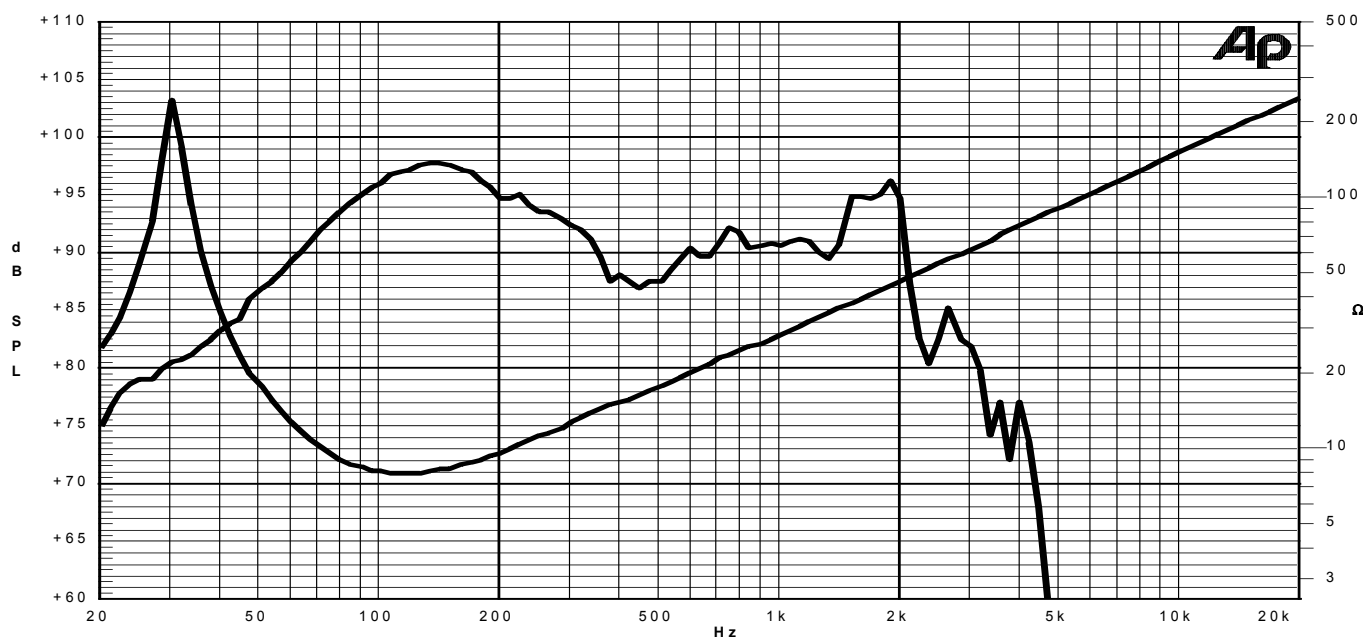
#### ELECTRICAL CHARACTERISTICS

Nominal Impedance.....	8	$\Omega$
Musical Power .....	500	W
Rated Power* .....	250	W
Sensitivity @ 1 W, 1 m .....	95.8	dB



\*rated power measured with 2 hours test with pink noise signal, 6 dB crest factor, loudspeaker mounted on enclosure

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.

11/03/05