

#### GENERAL CHARACTERISTICS

Nominal Overall Diameter .....	266	mm
Nominal Voice Coil Diameter .....	38	mm
Magnet Weight .....	426	g
Flux Density.....	0.95	T
Weight .....	1.85	Kg

#### THIELE-SMALL PARAMETERS

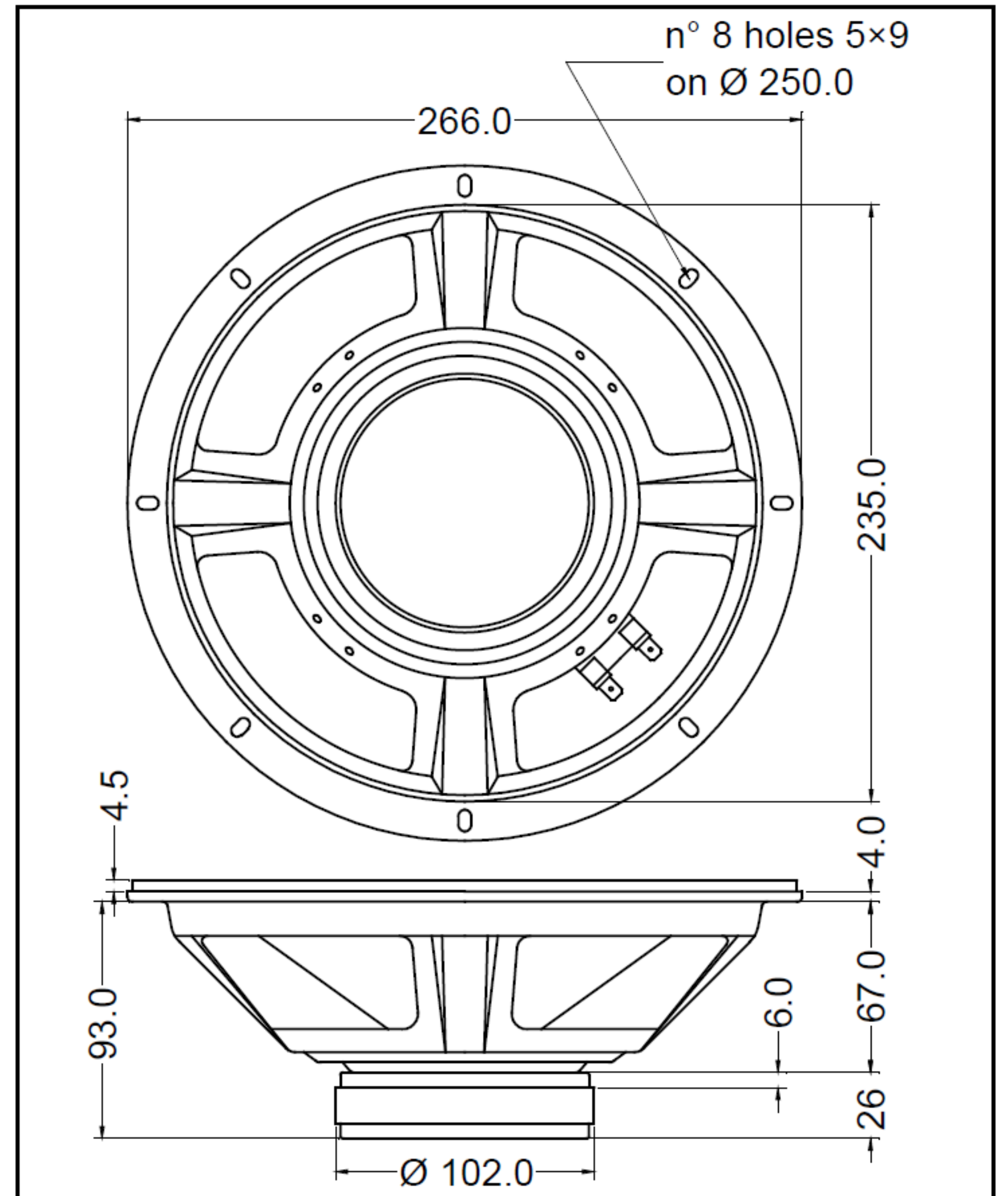
Voice Coil DC Resistance .....	$R_E$	3.05	Ω
Resonance Frequency .....	$f_s$	69.0	Hz
Mechanical Q Factor.....	$Q_{MS}$	15.48	
Electrical Q Factor.....	$Q_{ES}$	0.89	
Total Q Factor.....	$Q_{TS}$	0.84	
Mechanical Moving Mass .....	$M_{MS}$	19.1	g
Mechanical Compliance.....	$C_{MS}$	278	μm/N
Force Factor .....	$B \times l$	5.33	Wb/m
Equivalent Acoustic Volume.....	$V_{AS}$	42.5	lt.
Maximum Linear Displacement ....	$X_{MAX}$	+/-1.0	mm
Reference Efficiency .....	$\eta_0$	1.50	%
Diaphragm Area .....	$S_D$	330.0	cm <sup>2</sup>
Losses Electrical Resistance.....	$R_{ES}$	53.1	Ω
Voice Coil Inductance @ 1kHz .....	$L_E$	0.29	mH

#### CONSTRUCTIVE CHARACTERISTICS

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

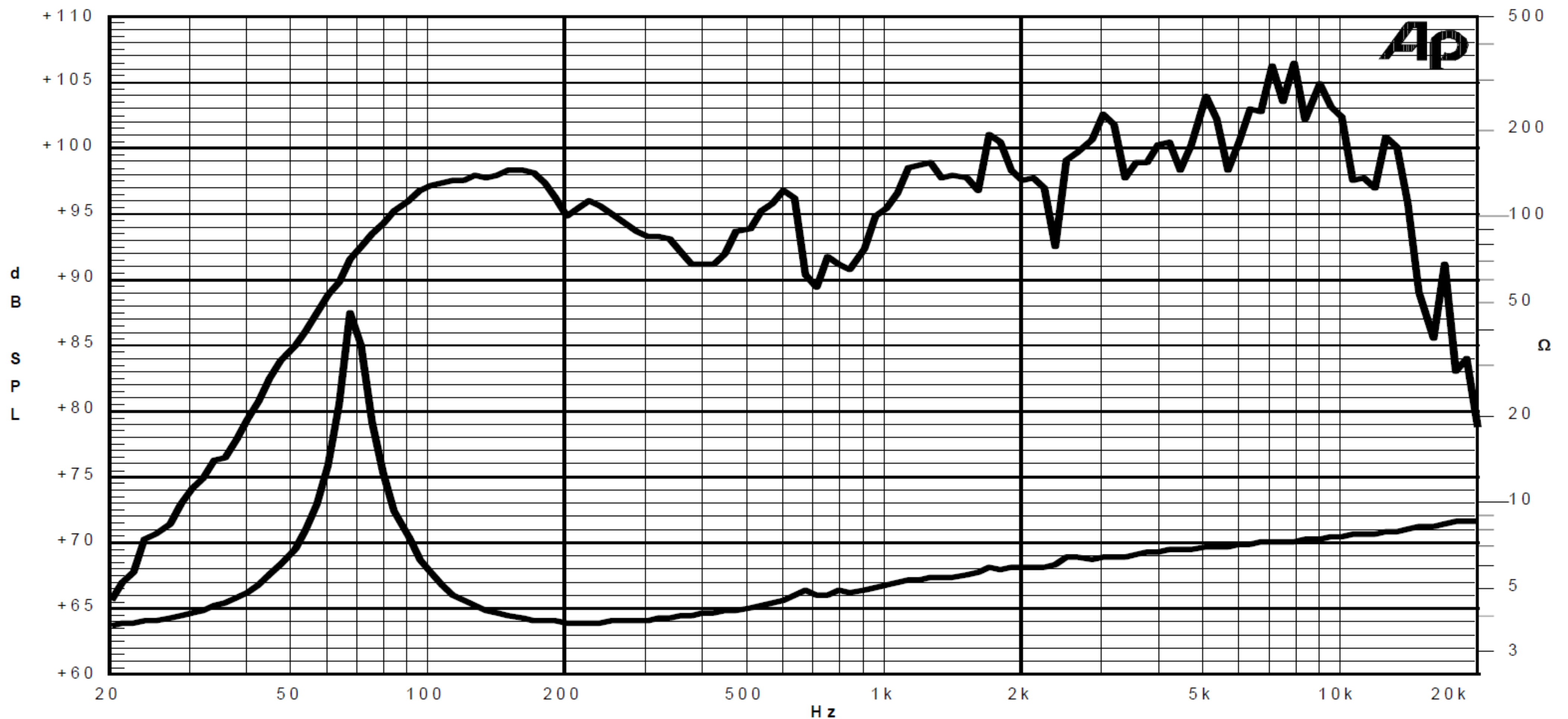
#### ELECTRICAL CHARACTERISTICS

Nominal Impedance.....	4	Ω
Musical Power .....	160	W
Rated Power* .....	80	W
Sensitivity @ 1 W, 1 m .....	94.9	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



### 10" - 160W Dual Cone Loudspeaker

10 D 1,5 CS - 8 Ω

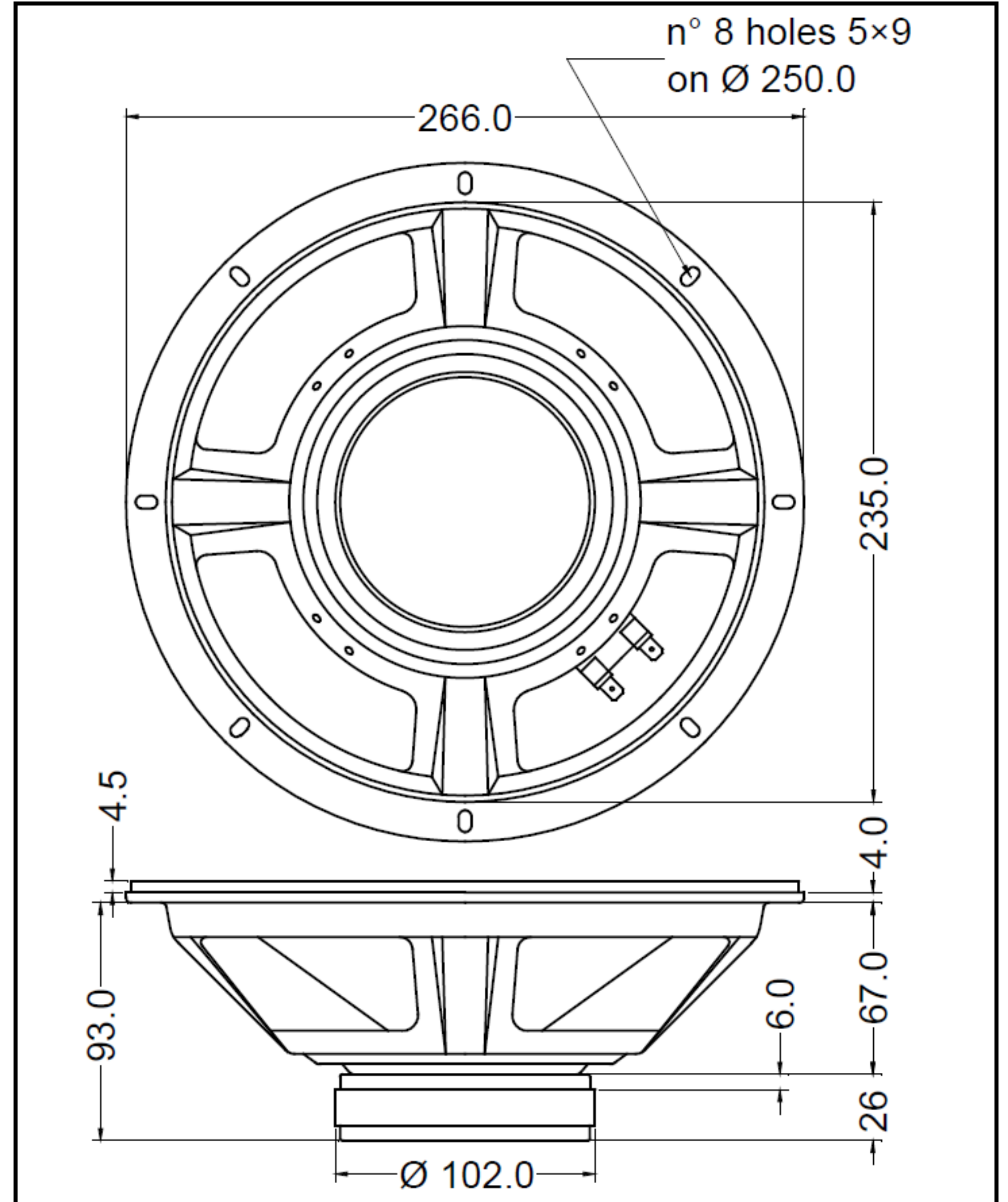
Code Z006510

GENERAL CHARACTERISTICS		
Nominal Overall Diameter .....	266	mm
Nominal Voice Coil Diameter .....	38	mm
Magnet Weight .....	426	g
Flux Density.....	0.95	T
Weight .....	1.85	Kg

ELECTRICAL CHARACTERISTICS		
Nominal Impedance.....	8	Ω
Musical Power .....	160	W
Rated Power* .....	80	W
Sensitivity @ 1 W, 1 m .....	95.2	dB

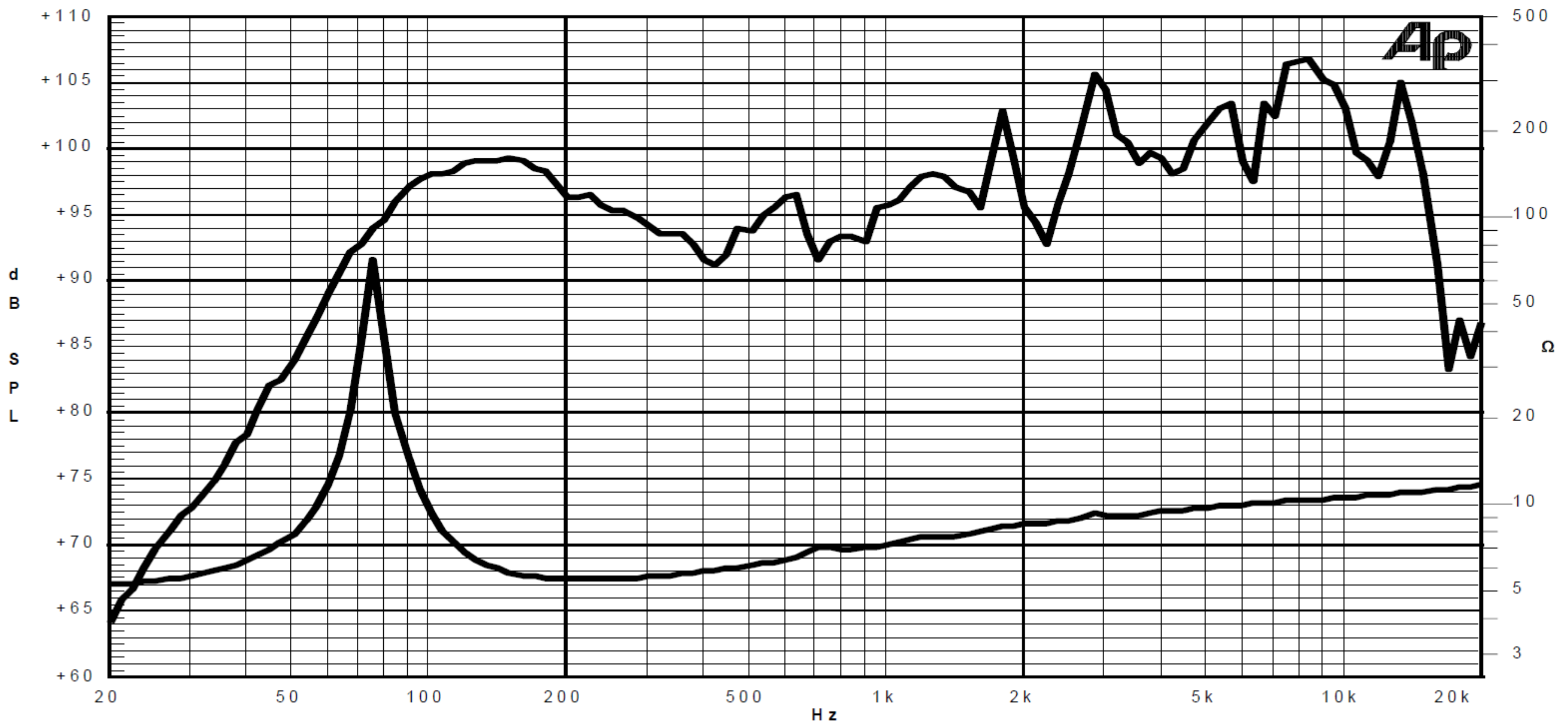
THIELE-SMALL PARAMETERS			
Voice Coil DC Resistance .....	$R_E$	5.21	Ω
Resonance Frequency .....	$f_s$	70.6	Hz
Mechanical Q Factor.....	$Q_{MS}$	13.14	
Electrical Q Factor.....	$Q_{ES}$	1.02	
Total Q Factor.....	$Q_{TS}$	0.95	
Mechanical Moving Mass .....	$M_{MS}$	18.7	g
Mechanical Compliance.....	$C_{MS}$	270	μm/N
Force Factor .....	$B \times l$	6.52	Wb/m
Equivalent Acoustic Volume.....	$V_{AS}$	41.4	lt.
Maximum Linear Displacement ....	$X_{MAX}$	+/-1.5	mm
Reference Efficiency .....	$\eta_0$	1.37	%
Diaphragm Area .....	$S_D$	330.1	cm <sup>2</sup>
Losses Electrical Resistance.....	$R_{ES}$	67.1	Ω
Voice Coil Inductance @ 1kHz .....	$L_E$	0.26	mH

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



\*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.

16/12/05