

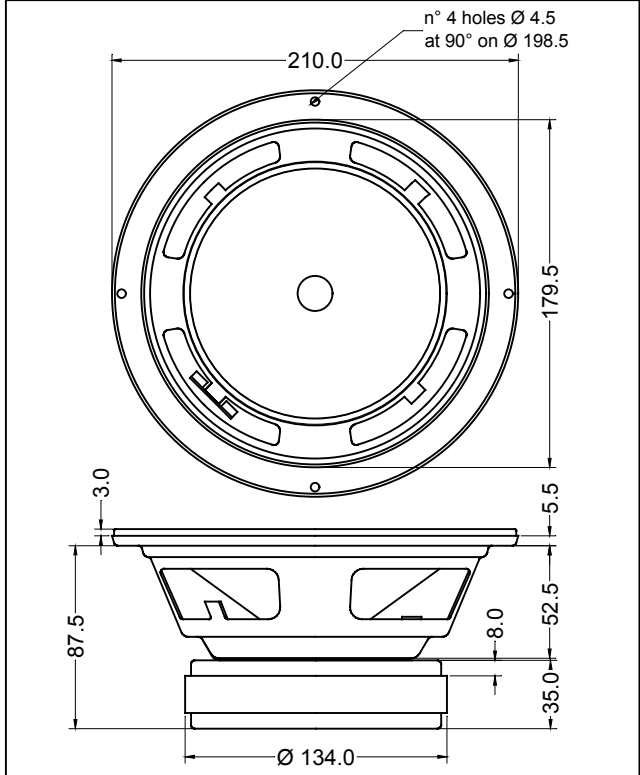
## 8" - 300W Professional Woofer

8 E1 2 CS - 8 Ω  
Code Z005161C

GENERAL CHARACTERISTICS		
Nominal Overall Diameter .....	209	mm
Nominal Voice Coil Diameter .....	50	mm
Magnet Weight .....	1100	g
Flux Density.....	1.10	T
Weight.....	3.10	Kg

ELECTRICAL CHARACTERISTICS	
Nominal Impedance.....	8 Ω
Musical Power .....	300 W
Rated Power* .....	150 W
Sensitivity @ 1 W, 1 m .....	95.4 dB

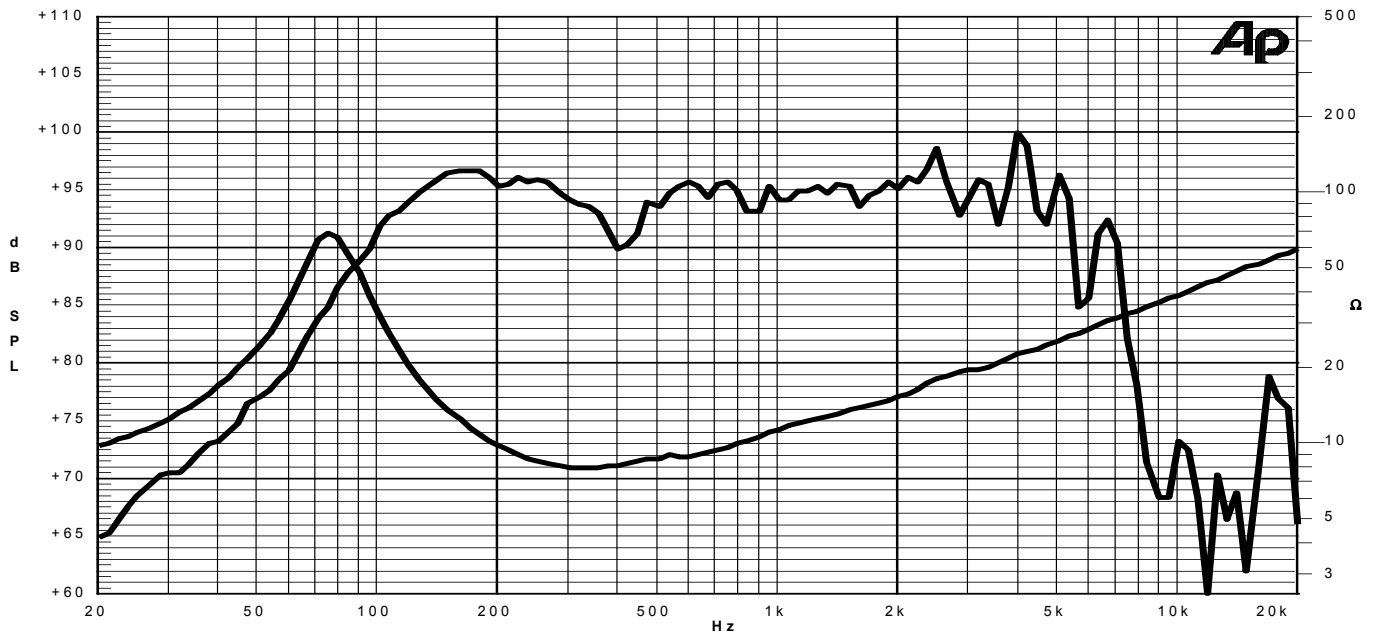
THIELE-SMALL PARAMETERS		
Voice Coil DC Resistance .....	$R_E$	6.39 Ω
Resonance Frequency .....	$f_s$	75.8 Hz
Mechanical Q Factor.....	$Q_{MS}$	3.60
Electrical Q Factor.....	$Q_{ES}$	0.35
Total Q Factor .....	$Q_{TS}$	0.32
Mechanical Moving Mass .....	$M_{MS}$	20.5 g
Mechanical Compliance .....	$C_{MS}$	215 μm/N
Force Factor .....	$B \times l$	13.33 Wb/m
Equivalent Acoustic Volume.....	$V_{AS}$	13.9 lt.
Maximum Linear Displacement ....	$X_{MAX}$	+/-2.0 mm
Reference Efficiency .....	$\eta_0$	1.57 %
Diaphragm Area .....	$S_D$	213.8 cm <sup>2</sup>
Losses Electrical Resistance.....	$R_{ES}$	65.5 Ω
Voice Coil Inductance @ 1kHz .....	$L_E$	0.82 mH



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

\*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.

17/06/10