8" 300W

Code Z005161

8 E1 2 CS 8Ω

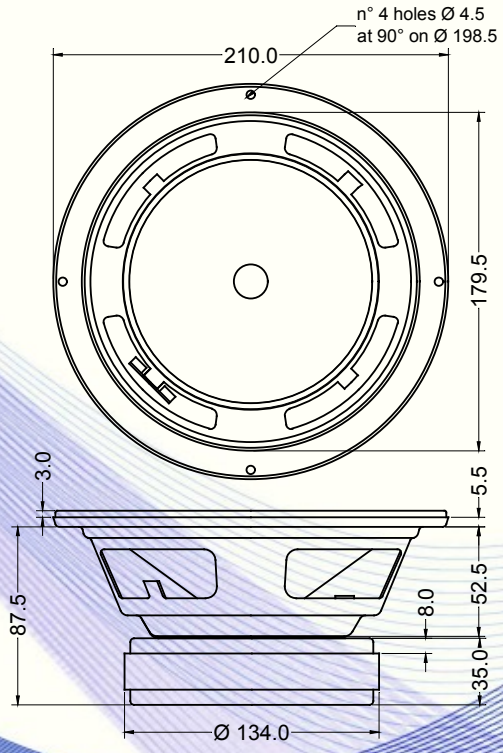
Professional Woofer

- 2” voice coil Kapton former
- Ferrite magnet
- 95.4 dB sensitivity

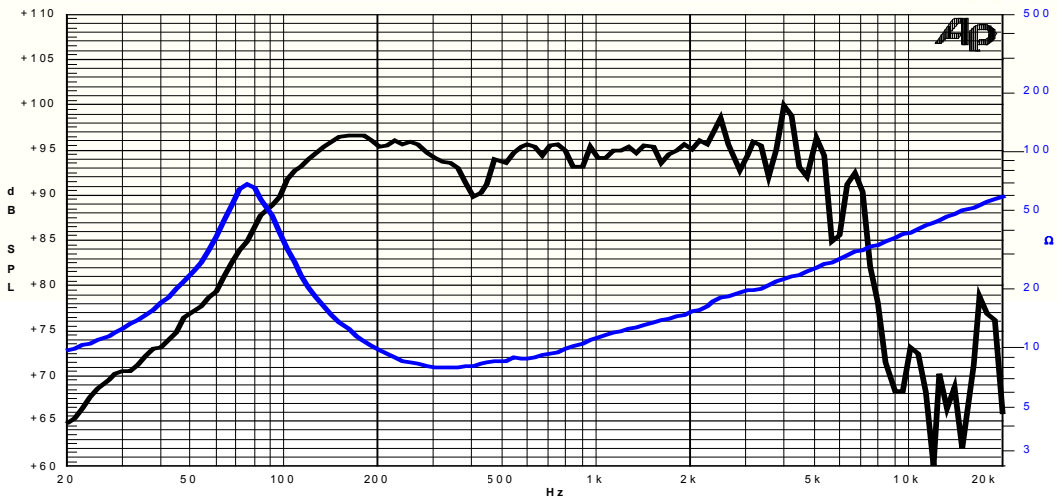
Specifications	
Nominal Diameter	209mm (8")
Nominal Impedance	8Ω
Rated Power AES (1)	150W
Continuous Program Power (2)	300W
Sensitivity @ 1W/1m (3)	95.4dB
Voice Coil Diameter	50mm (2")
Voice Coil Winding Depth	11mm
Magnetic Gap Depth	8mm
Flux Density	1.10T
Magnet Weight	1100g
Net Weight	3.1kg

Thiele & Small Parameters (4)			
Re	6.39Ω	Fs	75.8Hz
Qms	3.60	Qes	0.35
Qts	0.32	Mms	20.5g
Cms	215µm/N	Bxl	13.33Tm
Vas	13.9l	Sd	213.8cm^2
X max(5)	+/-2.5mm	X var (6)	+/-4.0mm
η_0	1.57%	Le (1kHz)	0.82mH

Constructive Characteristics	
Magnet	: Ferrite
Basket Material	: Pressed Sheet Steel
Voice Coil Winding Material	: Copper
Voice Coil Former Material	: Kapton
Cone Material	: Paper
Cone Treatment	: No
Surround Material	: Treated Cloth
Dust Dome Material	: Solid Paper



Frequency Response on IEC Baffle (DIN 45575) @ 1W,1m – Free Air Impedance



Note:

1 : Rated Power measured with 2 hours test with pink noise signal, 6dB crest factor, loudspeaker mounted on enclosure

2: Power on Continuous Program is defined as 3 dB greater than the Rated Power

3: Calculated by Thiele & Small parameters

4: Thiele & Small parameters measured with laser system without preconditioning test

5: Measured with respect to a THD of 10% using a parameter-based method

6: Value corresponding to a decay of the Force Factor, or Compliance, or both, equal to the 50% of the small signal value.

7: Drawing dimensions: mm

8: The notch around 400Hz on the frequency response is typical of the measurement on IEC baffle

Due to continuing product improvement, the features and the design are subject to change without notice. 09/11/12

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