8" 300W

Code Z005160

8 E1 2 CS 4Ω

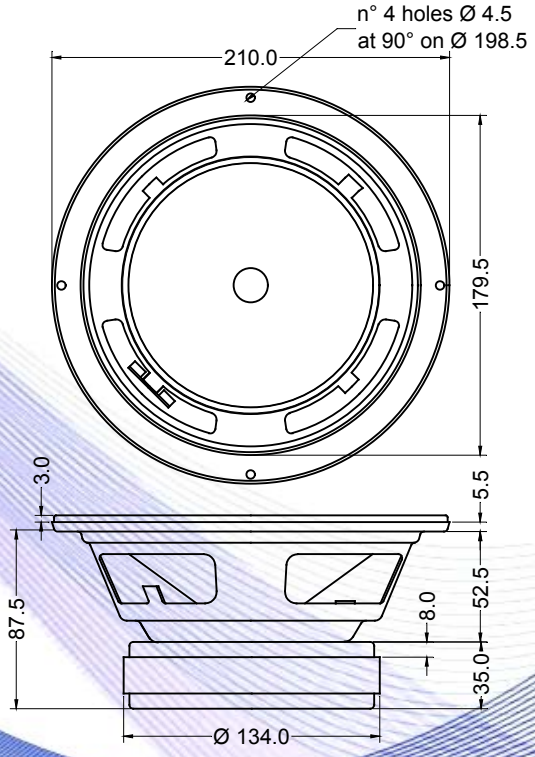
Professional Woofer

- 2” voice coil Kapton former
- Cloth surround with DAR technology
- Ferrite magnet circuit
- 96.1 dB sensitivity

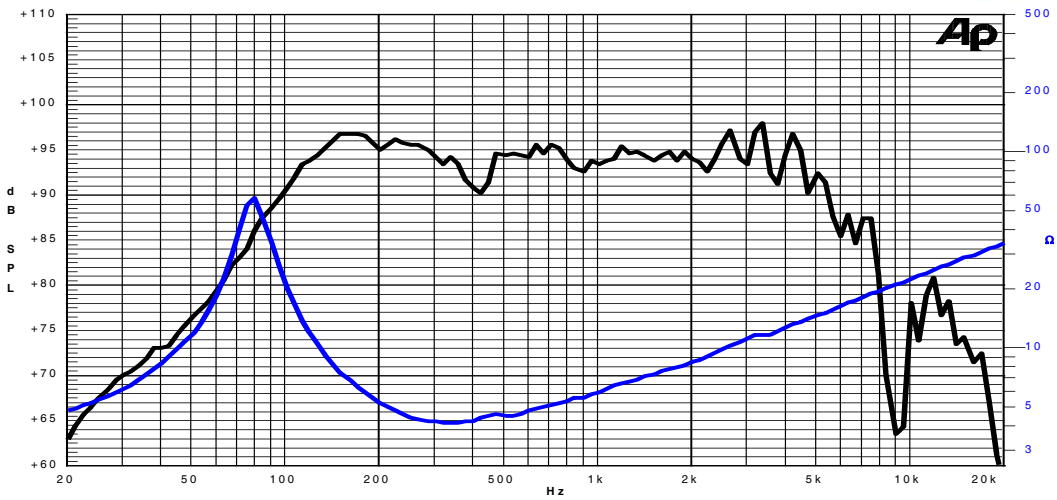
Specifications	
Nominal Diameter	209 mm (8")
Nominal Impedance	4 Ω
Rated Power AES (1)	150 W
Continuous Program Power (2)	300 W
Sensitivity @ 1W/1m (3)	96.1 dB
Voice Coil Diameter	50 mm (2")
Voice Coil Winding Depth	11 mm
Magnetic Gap Depth	8 mm
Flux Density	1.10 T
Magnet Weight	1100 g
Net Weight	3.1 kg

Thiele & Small Parameters (4)			
Re	3.00 Ω	Fs	77.0 Hz
Qms	5.70	Qes	0.30
Qts	0.28	Mms	22.0 g
Cms	194 µm/N	Bxl	10.38 Tm
Vas	12.6 l	Sd	213.8 cm^2
X max (5)	+/-2.7 mm	X var (6)	+/-5.9 mm
η_0	1.72%	Le (1kHz)	0.47 mH

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. 26/08/14

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