8" 500W

Code Z005206

8 Fe 2,5 CP 4Ω

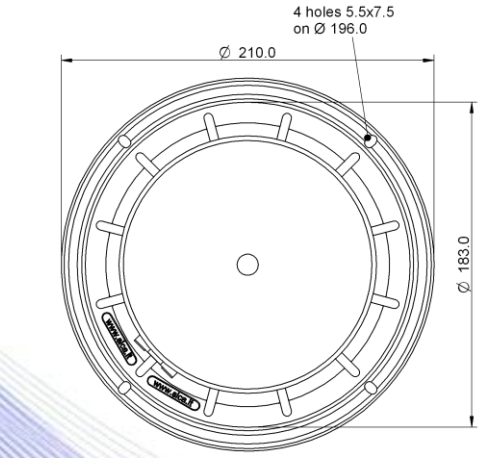
Professional Woofer

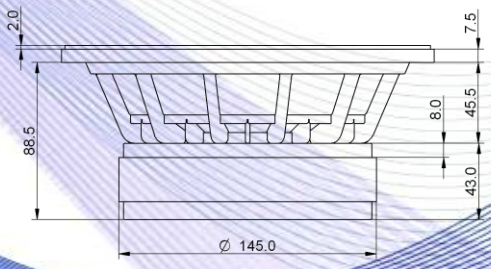
- 2,5” voice coil Kapton former and aluminium winding
- Progressive wave Konex spider
- Cloth surround with DAR technology
- Cone waterproof treatment
- Ventilated voice coil to reduce power compression
- BMF ferrite magnet
- 96.6 dB sensitivity

Specifications	
Nominal Diameter	210mm (8")
Nominal Impedance	4Ω
Rated Power AES (1)	250W
Continuous Program Power (2)	500W
Sensitivity @ 1W/1m (3)	96.6dB
Voice Coil Diameter	65mm (2,5")
Voice Coil Winding Depth	12mm
Magnetic Gap Depth	8mm
Flux Density	1.11T
Magnet Weight	1430g
Net Weight	4.5kg

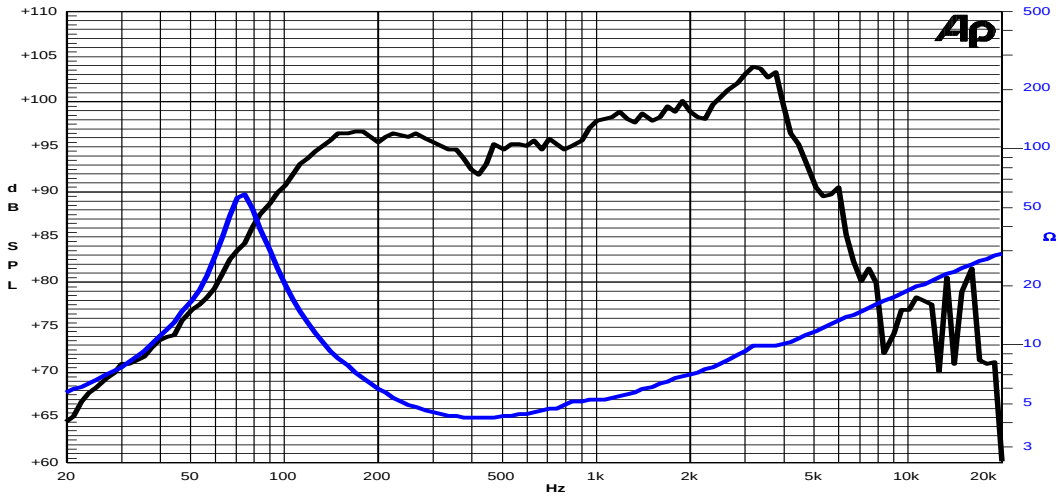
Thiele & Small Parameters (4)			
Re	3.14Ω	Fs	75.0Hz
Qms	4.53	Qes	0.27
Qts	0.25	Mms	20.4g
Cms	223µm/N	Bxl	10.63Tm
Vas	14.4l	Sd	213.8cm^2
X max(5)	+/-3.0mm	X var (6)	+/-5.9mm
η_0	2.17%	Le (1kHz)	0.50mH

Constructive Characteristics	
Magnet	: Ferrite
Basket Material	: Aluminium Die-Cast
Voice Coil Winding Material	: Aluminium
Voice Coil Former Material	: Kapton
Cone Material	: Paper
Cone Treatment	: Surface Waterproof Treatment
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. 14/05/15

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