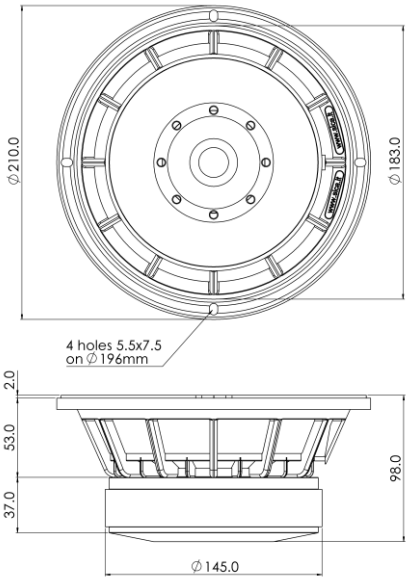
# 8 Fe 2,5 CP 8Ω

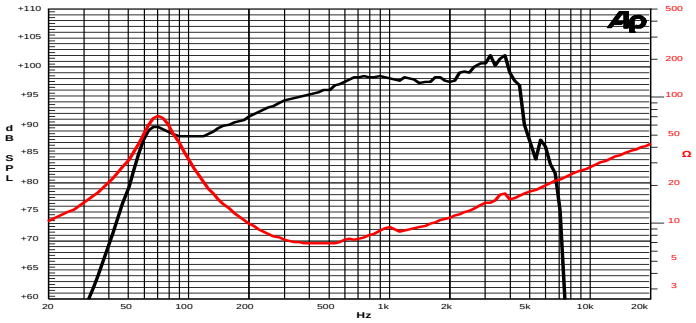
Professional

## 8" | 600 W

**Code** Z005203

- 2,5" voice coil Kapton former and Aluminium Winding
- PS — Konex Spider with Progressive Waves
- DAR — Cloth surround with Double Asymmetric Rolls Technology (DAR)
- WpT — Waterproof Cone Treatment
- BMF — Balanced Ferrite Magnet Circuit with Aluminium Demodulating Ring
- VMVc — Ventilated Magnet and Voice Coil to reduce Power Compression
- 97.0 dB sensitivity
- Frequency Range 70-4000 Hz




Frequency Response on 25 Lt @ 65 Hz Vented Box @ 1W, 1m
Free Air Impedance

## General Specifications

| | |
|---|---|
| *Nominal Diameter* | 210 mm (8") |
| *Nominal Impedance* | 8 Ω |
| *Rated Power AES* (1) | 300 W |
| *Continuous Program Power* (2) | 600 W |
| *Sensitivity @ 1W/1m* (3) | 97.0 dB |
| *Voice Coil Diameter* | 65 mm (2,5") |
| *Voice Coil Winding Depth* | 13 mm |
| *Magnetic Gap Depth* | 8 mm |
| *Flux Density* | 1.11 T |
| *Magnet Weight* | 1430 g |
| *Net Weight* | 4.1 kg |

## Thiele & Small Parameters (4)

| | | | |
|---|---|---|---|
| *Re* | 5.5 Ω | *Fs* | 74.2 Hz |
| *Qms* | 2.75 | *Qes* | 0.28 |
| *Qts* | 0.25 | *Mms* | 20.0 g |
| *Cms* | 230 µm/N | *Bxl* | 13.70 Tm |
| *Vas* | 14.9 l | *Sd* | 213.8 $cm^2$ |
| *X max* (5) | +/-4.0 mm | *X var* (6) | +/-6.5 mm |
| $\eta_0$ | 2.12 % | *Le (1kHz)* | 0.45 mH |

## 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 |

## Mounting Information

| | |
|---|---|
| *Overall Diameter* | 210 mm |
| *Baffle Cutout Diameter* | 184 mm |
| *Mounting Holes* | 4 holes 5,5x7,5 on ø196 mm |
| *Total Depth* | 98 mm |

**(1)** Rated Power measured with 2-hour test with pink noise signal, 6dB crest factor, loudspeaker in free air, power calculated on rated Zmin. **(2)** Power on Continuous Program is defined as 3dB greater than the Rated Power. **(3)** Calculated by Thiele & Small parameters, for SPL average in box refer to frequency response. **(4)** Thiele & Small parameters measured with laser system after preconditioning test. **(5)** Measured with respect to a THD of 10%. **(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.