# 15" 500W

**Code Z008202**

# 15 L 2,5 SL 4Ω

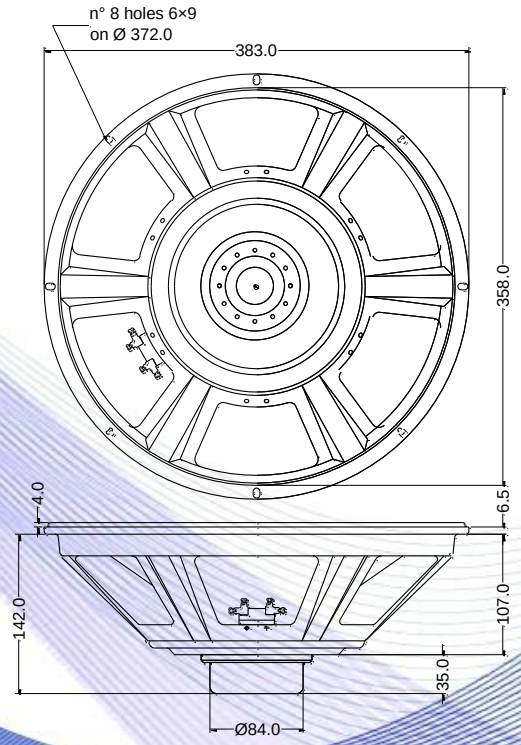
**Professional Woofer**

- 2,5” voice coil aluminium former
- Neodymium magnet
- Ventilated magnet and voice coil to reduce power compression
- 98.0 dB sensitivity

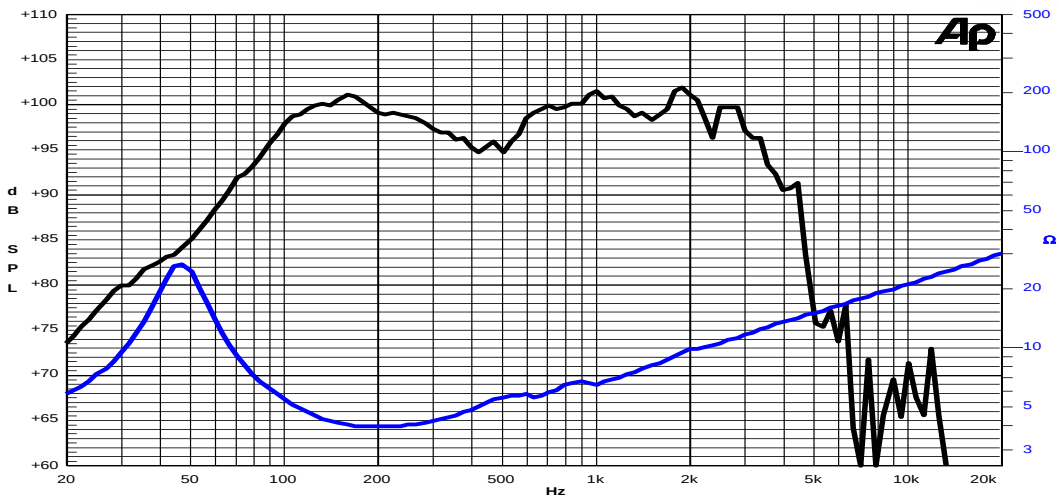
| Specifications | |
|---|---|
| Nominal Diameter | 385mm (15") |
| Nominal Impedance | 4Ω |
| Rated Power AES (1) | 250W |
| Continuous Program Power (2) | 500W |
| Sensitivity @ 1W/1m (3) | 98.0dB |
| Voice Coil Diameter | 65mm (2,5") |
| Voice Coil Winding Depth | 15mm |
| Magnetic Gap Depth | 8mm |
| Flux Density | 1.20T |
| Magnet Weight | 220g |
| Net Weight | 3.0kg |

| Thiele & Small Parameters (4) | | | |
|---|---|---|---|
| Re | 3.13Ω | Fs | 46.8Hz |
| Qms | 3.35 | Qes | 0.48 |
| Qts | 0.42 | Mms | 82.2g |
| Cms | 140µm/N | Bxl | 12.61Tm |
| Vas | 145.4l | Sd | 754.8cm$^2$ |
| X max(5) | +/-3.5mm | X var (6) | +/-6.0mm |
| $\eta_0$ | 3.01% | Le (1kHz) | 0.53mH |

| Constructive Characteristics | |
|---|---|
| Magnet | : Neodymium |
| Basket Material | : Pressed Sheet Steel |
| Voice Coil Winding Material | : Copper |
| Voice Coil Former Material | : Aluminium |
| 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.* 20/01/16