

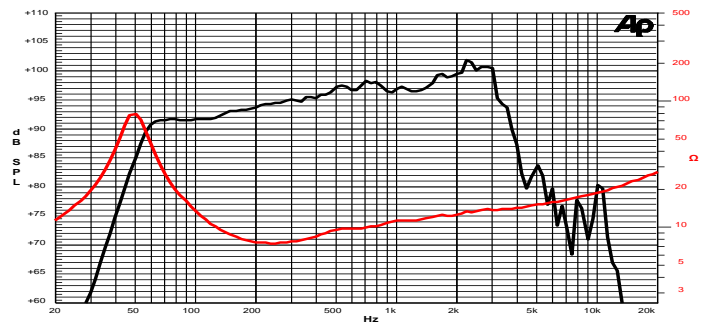
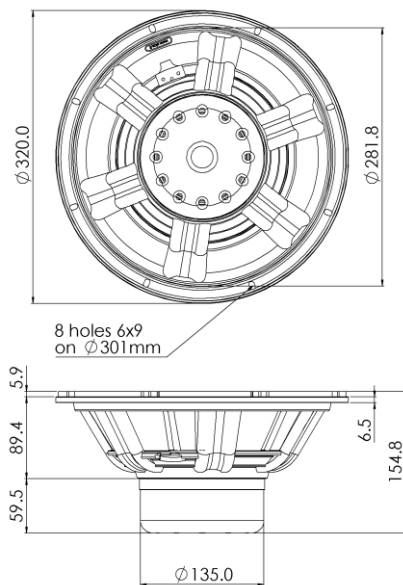
## 12 K 4 PL 8Ω

12" | 2000 W

Code Z008020

Professional

- SNDW** 4" Sandwich voice coil Fiberglass former
- DCSP** Double Cross Spider (DCS) with Progressive Waves
- DAR** Cloth surround with Double Asymmetric Rolls Technology (DAR)
- AWpT** Autoclave Waterproof Cone Treatment
- CDR** Neodymium Magnet Circuit with Copper Demodulating Ring
- VMVc** Ventilated Magnet and Voice Coil to reduce Power Compression
- 97.1 dB sensitivity
- Frequency Range 50-3000 Hz



Frequency Response on 45 Lt @ 55 Hz Vented Box @ 1W, 1m  
Free Air Impedance

### General Specifications

Nominal Diameter	321 mm (12")
Nominal Impedance	8 Ω
Rated Power AES <sup>(1)</sup>	1000 W
Continuous Program Power <sup>(2)</sup>	2000 W
Sensitivity @ 1W/1m <sup>(3)</sup>	97.1 dB
Voice Coil Diameter	100 mm (4")
Voice Coil Winding Depth	21 mm
Magnetic Gap Depth	12 mm
Flux Density	1.10 T
Magnet Weight	536 g
Net Weight	6.6 kg

### Thiele & Small Parameters <sup>(4)</sup>

Re	5.1 Ω	Fs	48.5 Hz
Qms	4.20	Qes	0.27
Qts	0.25	Mms	91.0 g
Cms	118 μm/N	Bxl	22.85 Tm
Vas	47.4 l	Sd	530.9 cm <sup>2</sup>
X max <sup>(5)</sup>	+/-7.0 mm	X var <sup>(6)</sup>	+/-9.0 mm
η <sub>o</sub>	1.92 %	Le (1kHz)	0.53 mH

### Constructive Characteristics

Magnet	Neodymium
Basket Material	Aluminium Die-Cast
Voice Coil Winding Material	Copper
Voice Coil Former Material	Fiberglass
Cone Material	Paper
Cone Treatment	Humidity Resistant Pulp
Surround Material	Treated Cloth
Dust Dome Material	Solid Paper

### Mounting Information

Overall Diameter	320 mm
Baffle Cutout Diameter	284 mm
Mounting Holes	8 holes 6x9 on ø301 mm
Total Depth	154.8 mm

<sup>(1)</sup> Rated Power measured with 2-hour test with pink noise signal, 6dB crest factor, loudspeaker in free air, power calculated on rated Zmin. <sup>(2)</sup> Power on Continuous Program is defined as 3dB greater than the Rated Power. <sup>(3)</sup> Calculated by Thiele & Small parameters, for SPL average in box refer to frequency response. <sup>(4)</sup> Thiele & Small parameters measured with laser system after preconditioning test. <sup>(5)</sup> Measured with respect to a THD of 10%. <sup>(6)</sup> Value corresponding to a decay of the Force Factor, or Compliance, or both, equal to the 50% of the small signal value. <sup>(7)</sup> Drawing dimensions: mm.