12" 2000W

Code Z007951

12 S 4 PL 8Ω

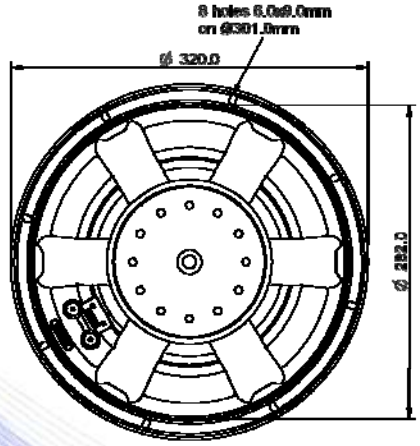
Sub-Woofer

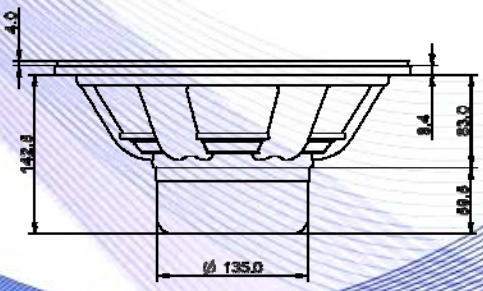
- 4” sandwich voice coil fiberglass former
- Progressive wave Konex spider with DCS technology
- Cloth surround with DAR technology
- Autoclave waterproof cone treatment
- Neodymium magnet circuit
- Ventilated magnet circuit voice coil to reduce power compression
- 95.5 dB sensitivity

Specifications	
Nominal Diameter	321 mm (12")
Nominal Impedance	8 Ω
Rated Power AES (1)	1000 W
Continuous Program Power (2)	2000 W
Sensitivity @ 1W/1m (3)	95.5 dB
Voice Coil Diameter	100 mm (4")
Voice Coil Winding Depth	27 mm
Magnetic Gap Depth	12 mm
Flux Density	1.21 T
Magnet Weight	536 g
Net Weight	6.6 kg

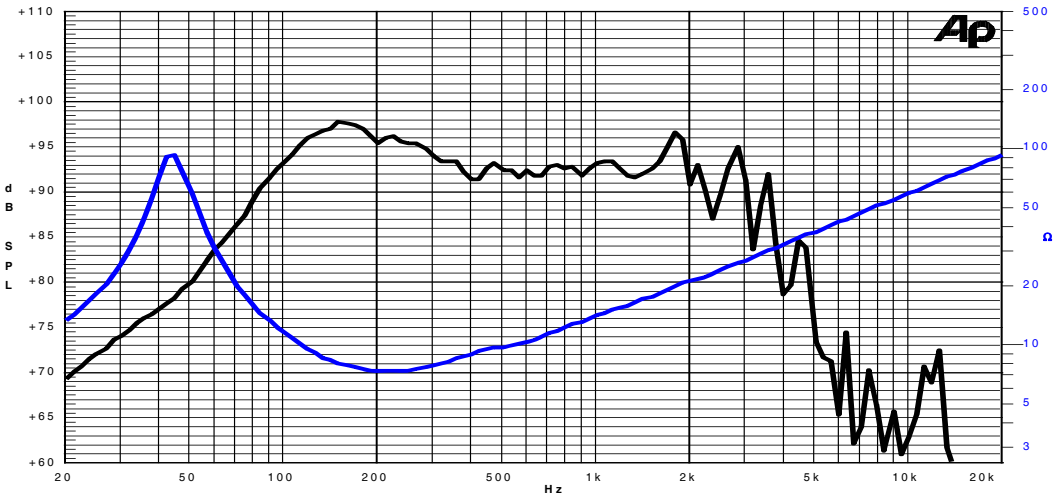
Thiele & Small Parameters (4)			
Re	5.15 Ω	Fs	43.5 Hz
Qms	5.30	Qes	0.28
Qts	0.27	Mms	109.6 g
Cms	122 µm/N	Bxl	23.50 Tm
Vas	48.9 l	Sd	530.9 cm^2
X max (5)	+/-7.5 mm	X var (6)	+/-8.5 mm
η_0	1.39 %	Le (1kHz)	1.15 mH

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





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. 19/03/14

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