12" 700W

Code Z007945

12 S 3 PL 4Ω

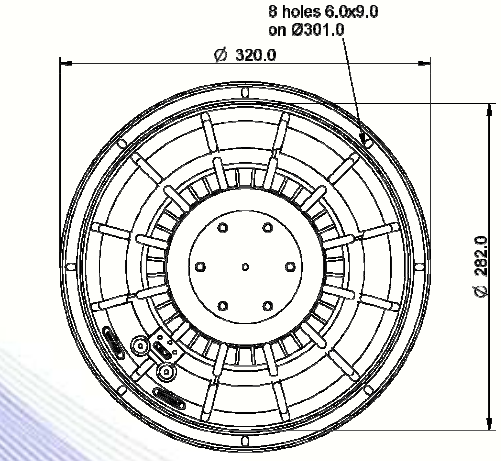
Subwoofer

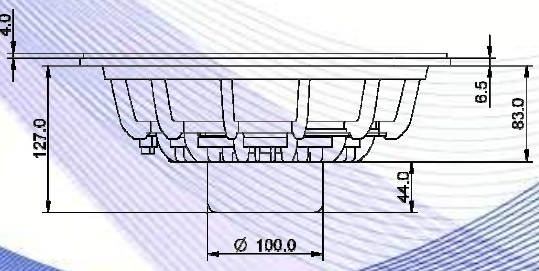
- 3” sandwich voice coil fiberglass former
- Progressive wave Konex spider with DCS technology
- Cloth surround with DAR technology
- Autoclave waterproof cone treatment
- Ventilated voice coil to reduce power compression
- High excursion neodymium magnet circuit
- 94.9 dB sensitivity

Specifications	
Nominal Diameter	320mm (12")
Nominal Impedance	4Ω
Rated Power AES (1)	350W
Continuous Program Power (2)	700W
Sensitivity @ 1W/1m (3)	94.9dB
Voice Coil Diameter	75mm (3")
Voice Coil Winding Depth	24mm
Magnetic Gap Depth	10mm
Flux Density	1.22T
Magnet Weight	360g
Net Weight	3.5kg

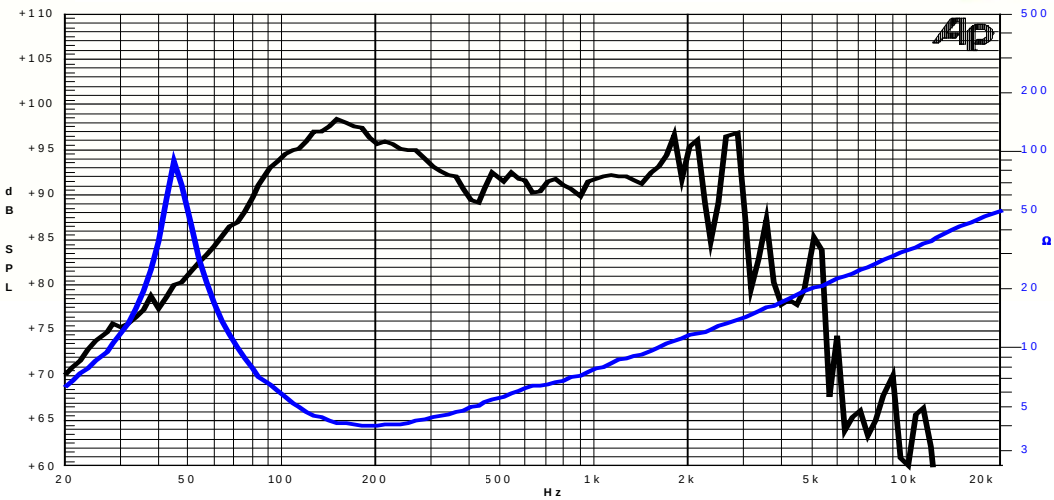
Thiele & Small Parameters (4)			
Re	3.14Ω	Fs	44.9Hz
Qms	11.13	Qes	0.36
Qts	0.35	Mms	87.0g
Cms	144µm/N	Bxl	14.65Tm
Vas	57.6l	Sd	530.9cm^2
X max(5)	+/-6.0mm	X var (6)	+/-8.2mm
η_0	1.40%	Le (1kHz)	0.84mH

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. 06/06/12

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