12" 500W

Code Z007901

12 L 2,5 SL 4Ω

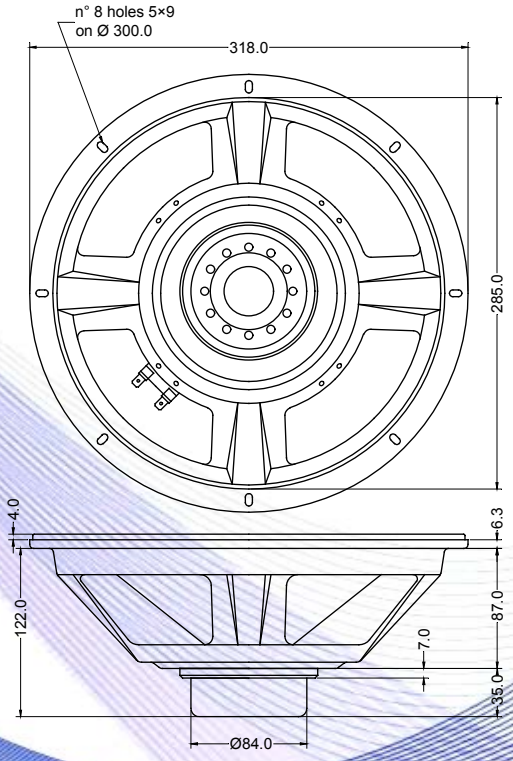
Professional Woofer

- 2.5” voice coil aluminium former
- Neodymium magnet
- Ventilated magnet and voice coil to reduce power compression
- 97.0 dB sensitivity

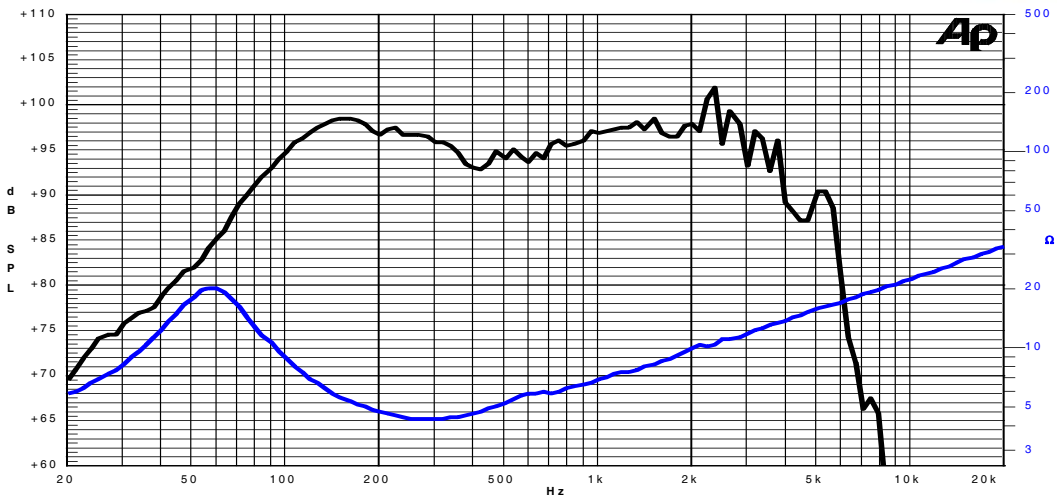
Specifications	
Nominal Diameter	318mm (12")
Nominal Impedance	4Ω
Rated Power AES (1)	250W
Continuous Program Power (2)	500W
Sensitivity @ 1W/1m (3)	97.0dB
Voice Coil Diameter	65mm (2,5")
Voice Coil Winding Depth	16mm
Magnetic Gap Depth	8mm
Flux Density	1.14T
Magnet Weight	220g
Net Weight	2.30kg

Thiele & Small Parameters (4)			
Re	3.10Ω	Fs	50.2Hz
Qms	1.93	Qes	0.35
Qts	0.30	Mms	51.0g
Cms	197µm/N	Bxl	11.92Tm
Vas	67.4l	Sd	490.9cm²
X max(5)	+/-4.0mm	X var (6)	+/-6.5mm
η_0	2.34%	Le (1kHz)	0.62mH

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. 02/07/14

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