12" 500W

Code Z007899

12 L1 2,5 SL 16Ω

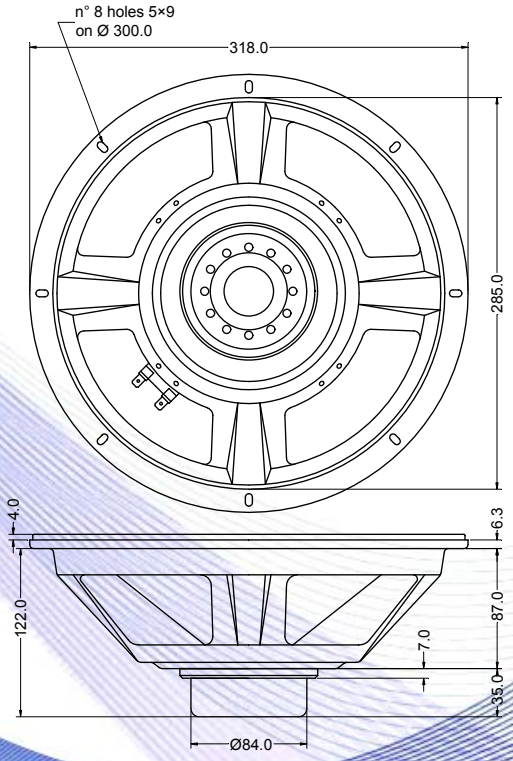
Professional Woofer

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

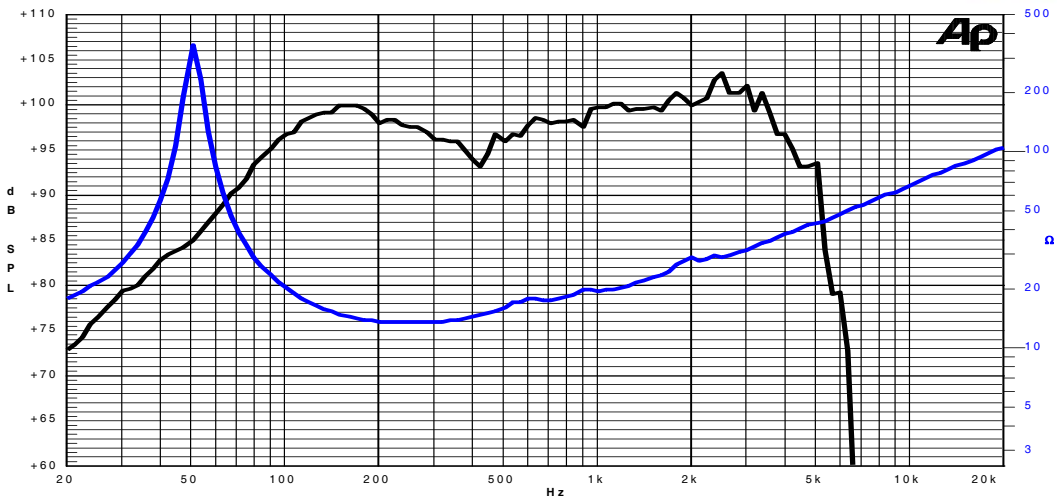
Specifications	
Nominal Diameter	318mm (12")
Nominal Impedance	16Ω
Rated Power AES (1)	250W
Continuous Program Power (2)	500W
Sensitivity @ 1W/1m (3)	96.2dB
Voice Coil Diameter	65mm (2,5")
Voice Coil Winding Depth	15mm
Magnetic Gap Depth	8mm
Flux Density	1.15T
Magnet Weight	220g
Net Weight	2.3kg

Thiele & Small Parameters (4)			
Re	12.10Ω	Fs	50.1Hz
Qms	15.77	Qes	0.49
Qts	0.47	Mms	45.1g
Cms	223µm/N	Bxl	18.77Tm
Vas	76.1l	Sd	490.9cm^2
X max(5)	+/-3.9mm	X var (6)	+/-6.4mm
η_0	1.89%	Le (1kHz)	1.40mH

Constructive Characteristics	
Magnet	: Neodymium
Basket Material	: Pressed Sheet Steel
Voice Coil Winding Material	: Copper
Voice Coil Former Material	: Fiberglass
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. 23/01/15

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