12" 500W

Code Z007959

12 E 2,5 CS 16Ω

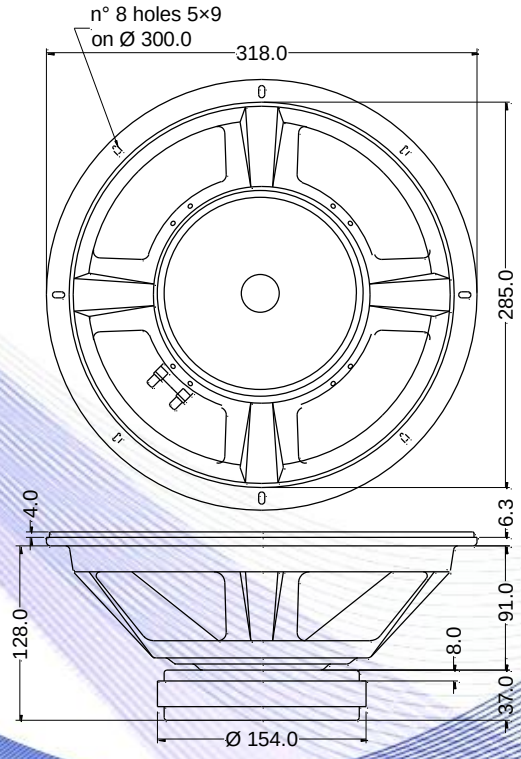
Professional Woofer

- 2,5” voice coil Fiberglass former
- Ferrite magnet
- 95.7 dB sensitivity

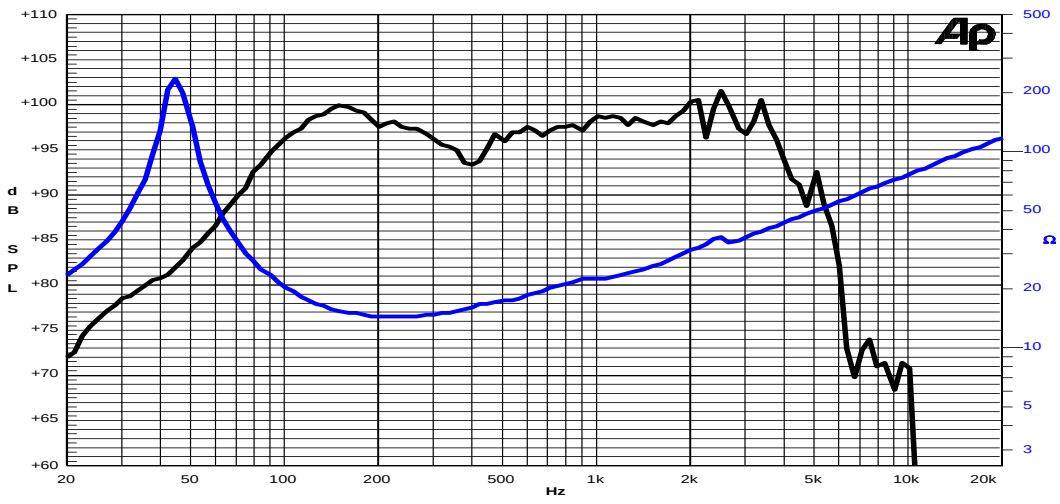
Specifications	
Nominal Diameter	318mm (12")
Nominal Impedance	16Ω
Rated Power AES (1)	250W
Continuous Program Power (2)	500W
Sensitivity @ 1W/1m (3)	95.7dB
Voice Coil Diameter	65mm (2,5")
Voice Coil Winding Depth	18mm
Magnetic Gap Depth	8mm
Flux Density	1.15T
Magnet Weight	1450g
Net Weight	4.8kg

Thiele & Small Parameters (4)			
Re	12.51Ω	Fs	45.0Hz
Qms	7.51	Qes	0.41
Qts	0.39	Mms	51.3g
Cms	244µm/N	Bxl	20.98Tm
Vas	83.4l	Sd	490.9cm^2
X max (5)	+/-4.0mm	X var (6)	+/-6.0mm
η_0	1.77%	Le (1kHz)	1.70mH

Constructive Characteristics	
Magnet	: Ferrite
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. 25/11/15

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