12SW115 8 Ω

Subwoofer

- 3400 W continuous program power capacity
- 115 mm (4.5 in) copper voice coil
- 40 - 1500 Hz response
- 92.5 dB sensitivity
- Excursion optimized lead wires (woven through spider)
- FEA optimized Neodymium magnet assembly
- Aluminium demodulating ring allows a very low distortion figure
- Double silicone spider with optimized compliance
- Ventilated voice coil gap for reduced power compression

Compact horn subwoofers designs stuff the motor into a sealed chamber where it bakes in its own heat. The 12SW115's 115mm (4.5 in) split-coil design is the antidote. 3400 Watts of power, an aluminum demodulating ring plus our split voice coil for low Bl and Le distortion, and 13.5mm of Xmax. Not subtle, but maybe exactly what you need.





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Subwoofer

SPECIFICATIONS

Nominal Diameter	**320 mm (12 in)**
Nominal Impedance	**8 Ω**
Minimum Impedance	**6.5 Ω**
Nominal Power Handling 2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minumum impedance. Loudspeaker in free air.	**1700 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**3400 W**
Sensitivity Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	**92.5 dB**
Frequency Range	**40 Hz - 1500 Hz**
Voice Coil Diameter	**115 mm (4.5 in)**
Winding Material	**Copper**
Former Material	**Glass Fibre**
Winding Depth	**34 mm (1.35 in)**
Magnetic Gap Depth	**14 mm (0.55 in)**
Flux Density	**1.12 T**

PARAMETERS

Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.

Fs	**38 Hz**
Re	**5.1 Ω**
Qes	**0.26**
Qms	**9.3**
Qts	**0.25**
Vas	**34 dm^3 (1.2 ft^3)**
Sd	**522 cm^2 (80.91 in^2)**
η0	**0.7 %**
Xmax	**13.5 mm**
Xvar	**10.9 mm**
Mms	**198 g**
Bl	**30.3 Tm**
Le	**1.9 mH**
EBP	**146 Hz**

DESIGN

Surround Shape	**Triple Roll**
Cone Shape	**Radial**
Magnet Material	**Neodymium Inside Slug**
Spider	**Double Silicone**
Pole Design	**T-Pole**
Woofer Cone Treatment	**TWP Waterproof Both Sides**
Recommended Loading	**Vented Box**

MOUNTING AND SHIPPING INFO

Overall Diameter	**315 mm (12.4 in)**
Bolt Circle Diameter	**298 mm (11.73 in)**
Baffle Cutout Diameter	**283 mm (11.1 in)**
Depth	**167 mm (6.6 in)**
Flange and Gasket Thickness	**12 mm (0.5 in)**
Air Volume Occupied by Driver	**3.4 dm^3 (0.12 ft^3)**
Net Weight	**10.4 kg (22.93 lb)**
Shipping Units	**1 pcs**

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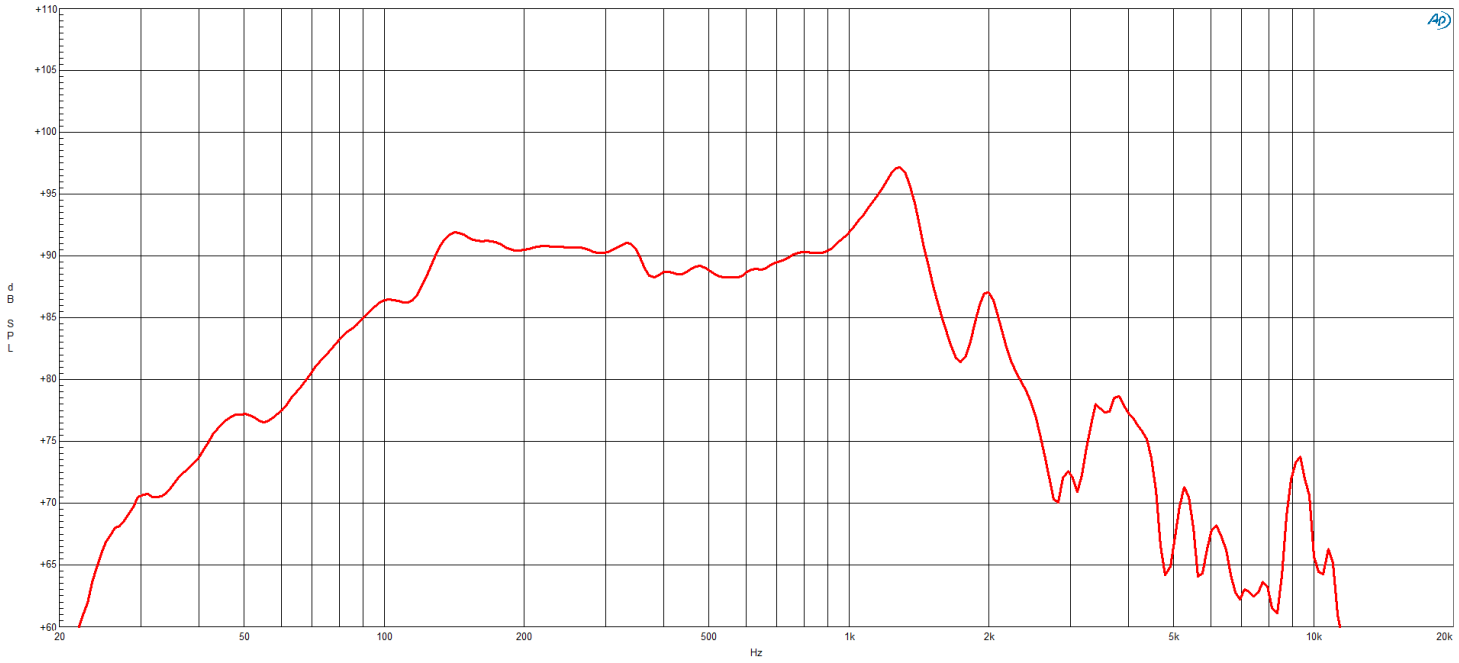

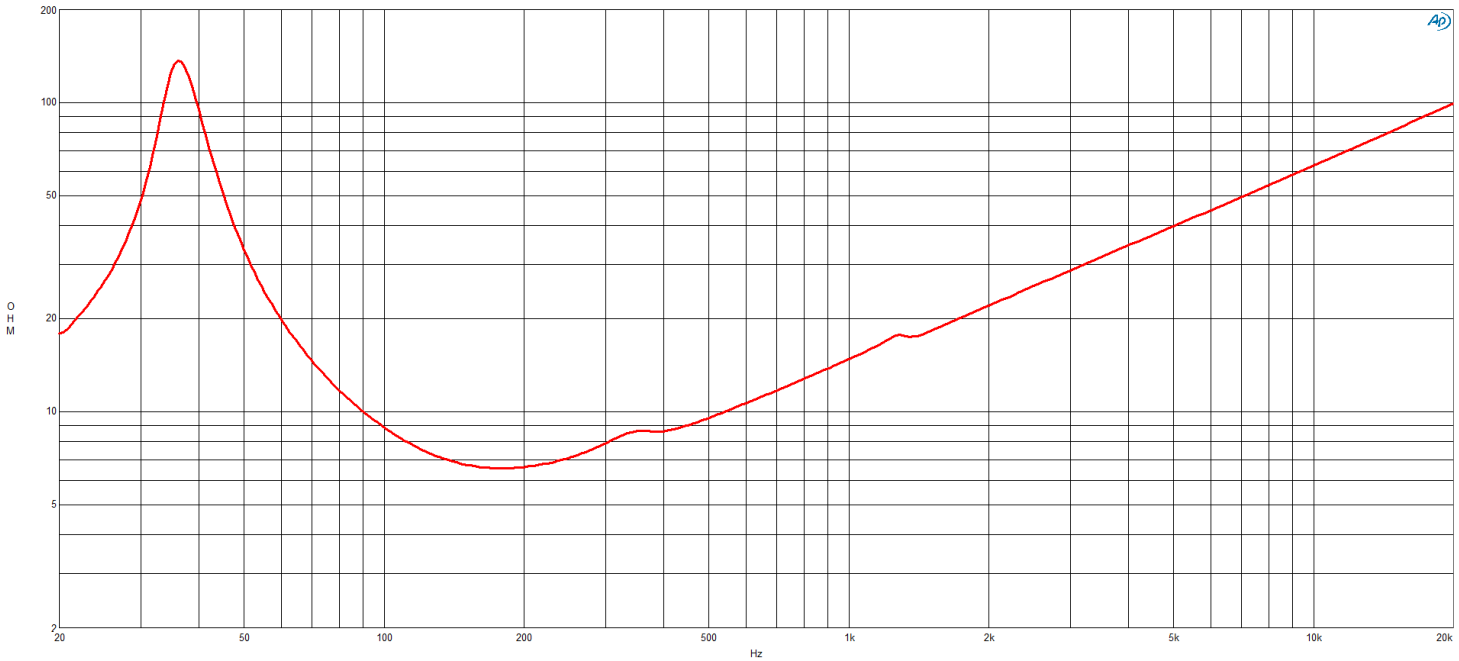

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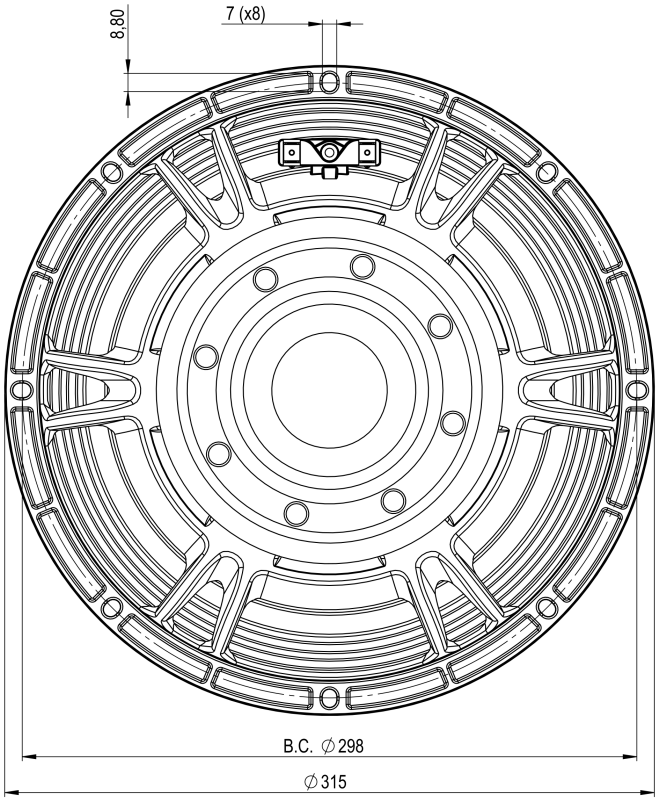
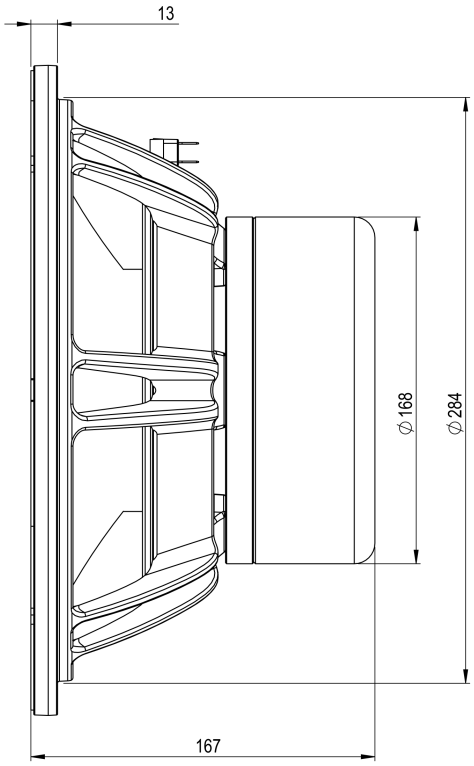
Subwoofer





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