

12SW115 4 Ω**Subwoofer**

- 3400 W continuous program power capacity
- 115 mm (4.5 in) copper voice coil
- 40 - 1500 Hz response
- 92 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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SPECIFICATIONS

Nominal Diameter	320 mm (12 in)
Nominal Impedance	4 Ω
Minimum Impedance	4.1 Ω
Nominal Power Handling	1700 W
2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.	
Continuous Power Handling	3400 W
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	92 dB
Applied RMS Voltage is set to 2 V for 4 ohms Nominal Impedance.	
Frequency Range	40 Hz - 1500 Hz
Voice Coil Diameter	115 mm (4.5 in)
Winding Material	Copper
Former Material	Glass Fibre
Winding Depth	34.5 mm (1.36 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	39 Hz
Re	3.1 Ω
Qes	0.26
Qms	9.8
Qts	0.25
Vas	33 dm³ (1.17 ft³)
Sd	522 cm² (80.91 in²)
η ₀	0.77 %
X _{max}	13.8 mm
X _{var}	10.5 mm
M _{ms}	192 g
Bl	23.8 Tm
Le	1.35 mH
EBP	150 Hz

DESIGN

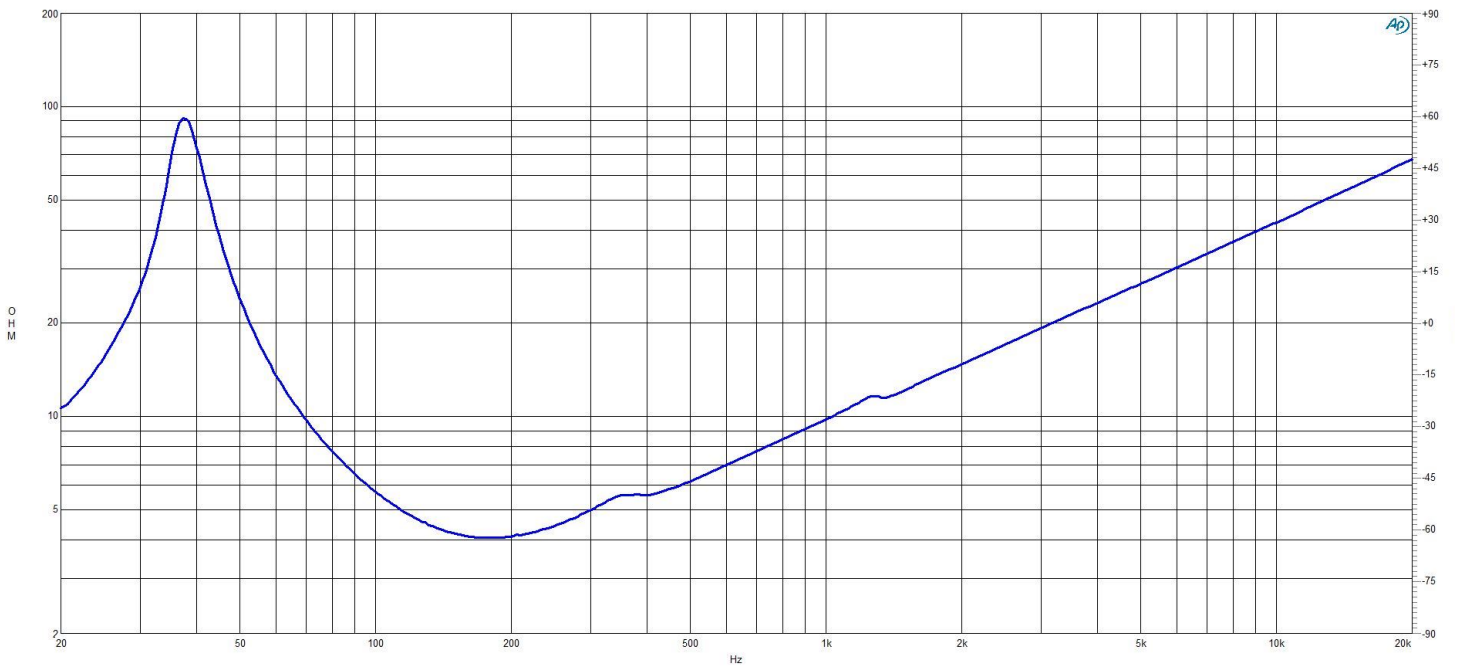
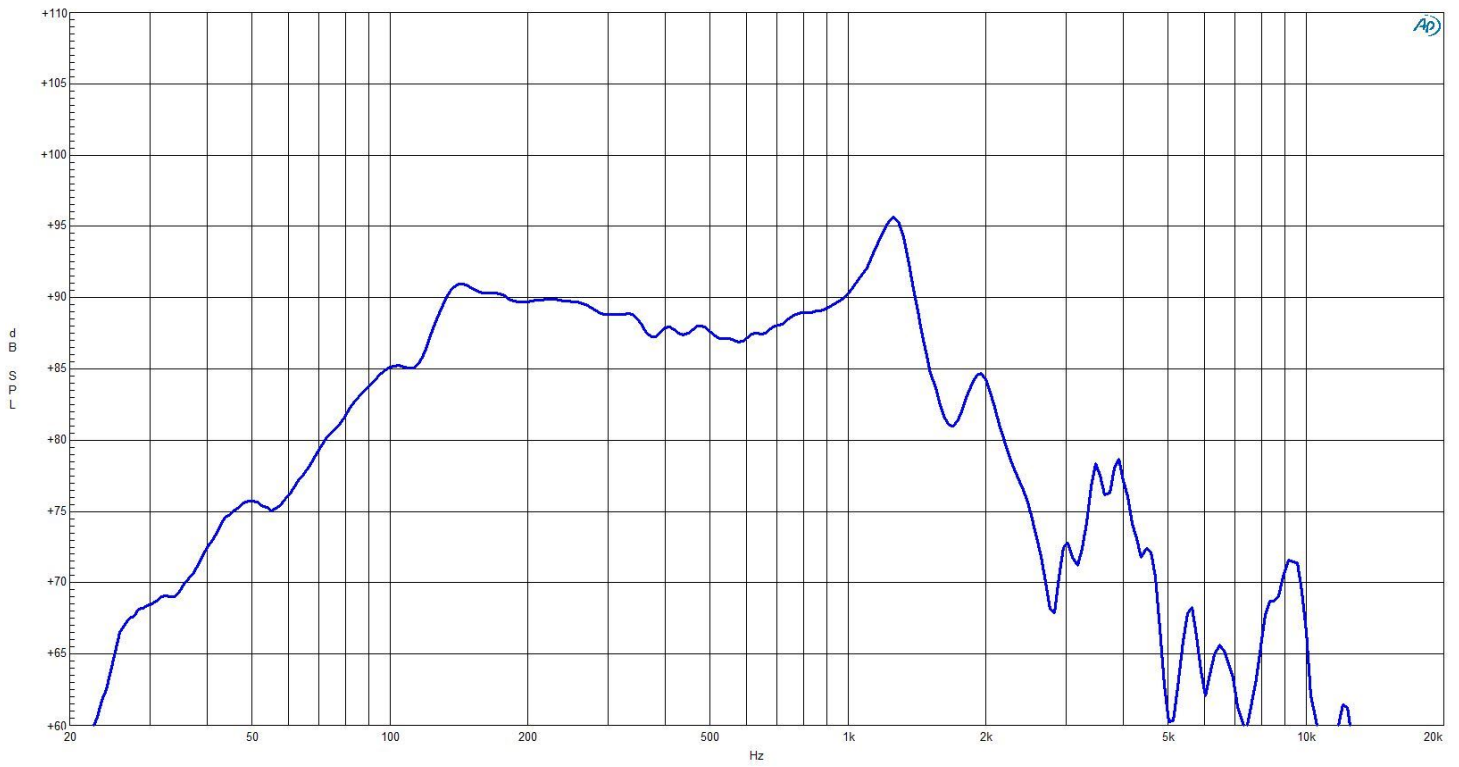
Surround Shape	Triple Roll
Cone Shape	Radial
Magnet Material	Neodymium Inside Slug
Spider	Double Silicone
Pole Design	T-Pole
Woofer Cone Treatment	TWP Waterproof Both Sides
Recommended Loading	Vented Box

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 dm³ (0.12 ft³)
Net Weight	10.4 kg (22.93 lb)
Shipping Units	1 pcs

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