

- 3400 W continuous program power capacity
- 116 mm (4.5 in) split winding copper voice coil
- 35 - 1500 Hz response
- 96 dB sensitivity
- Excursion optimized lead wires (woven through spider)
- Neodymium magnet allows a very high force factor and linear excursion
- Double silicone spider with optimized compliance
- Ventilated voice coil gap for reduced power compression
- Aluminium demodulating ring for very low distortion



## 18SW115 4 Ω

Subwoofer

### SPECIFICATIONS

Nominal Diameter	<b>460 mm (18 in)</b>
Nominal Impedance	<b>4 Ω</b>
Minimum Impedance	<b>4.1 Ω</b>
Nominal Power Handling	<b>1700 W</b>
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	<b>3400 W</b>
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	<b>96 dB</b>
Applied RMS Voltage is set to 2V for 4 ohms Nominal Impedance.	
Frequency Range	<b>35 Hz - 1500 Hz</b>
Voice Coil Diameter	<b>116 mm (4.5 in)</b>
Winding Material	<b>Copper</b>
Former Material	<b>Glass Fibre</b>
Winding Depth	<b>34 mm (1.33 in)</b>
Magnetic Gap Depth	<b>14 mm (0.55 in)</b>
Flux Density	<b>1.16 T</b>
Woofer Cone Treatment	<b>TWP Waterproof Both Sides</b>

### PARAMETERS

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

Fs	<b>34 Hz</b>
Re	<b>3.3 Ω</b>
Qes	<b>0.31</b>
Qms	<b>6.1</b>
Qts	<b>0.3</b>
Vas	<b>149.1 dm<sup>3</sup> (5.27 ft<sup>3</sup>)</b>
Sd	<b>1210 cm<sup>2</sup> (187.6 in<sup>2</sup>)</b>
η0	<b>1.8 %</b>
Xmax	<b>14 mm</b>
Xvar	<b>16 mm</b>
Mms	<b>304 g</b>
Bl	<b>26 Tm</b>
Le	<b>1.36 mH</b>
EBP	<b>110 Hz</b>

### DESIGN

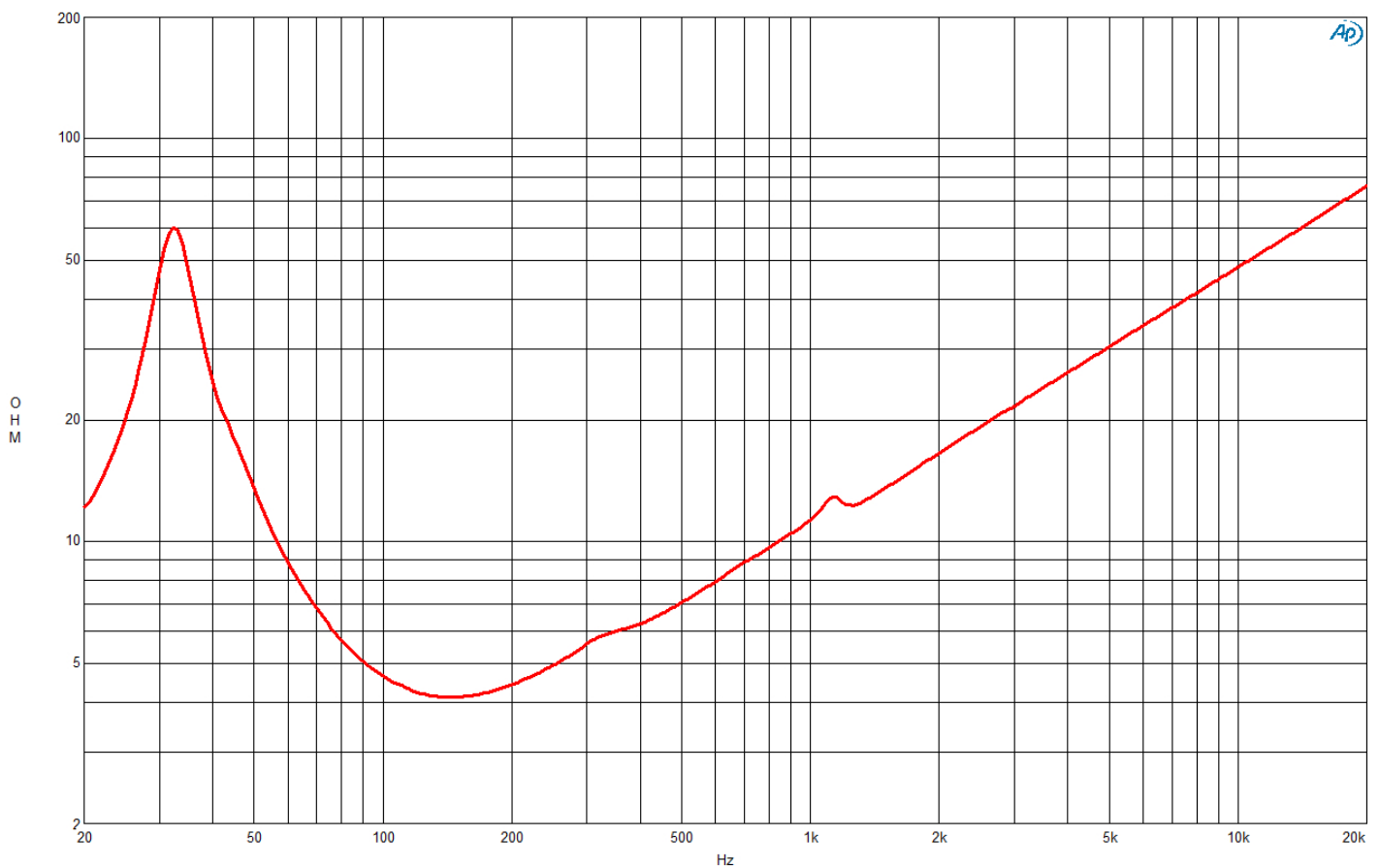
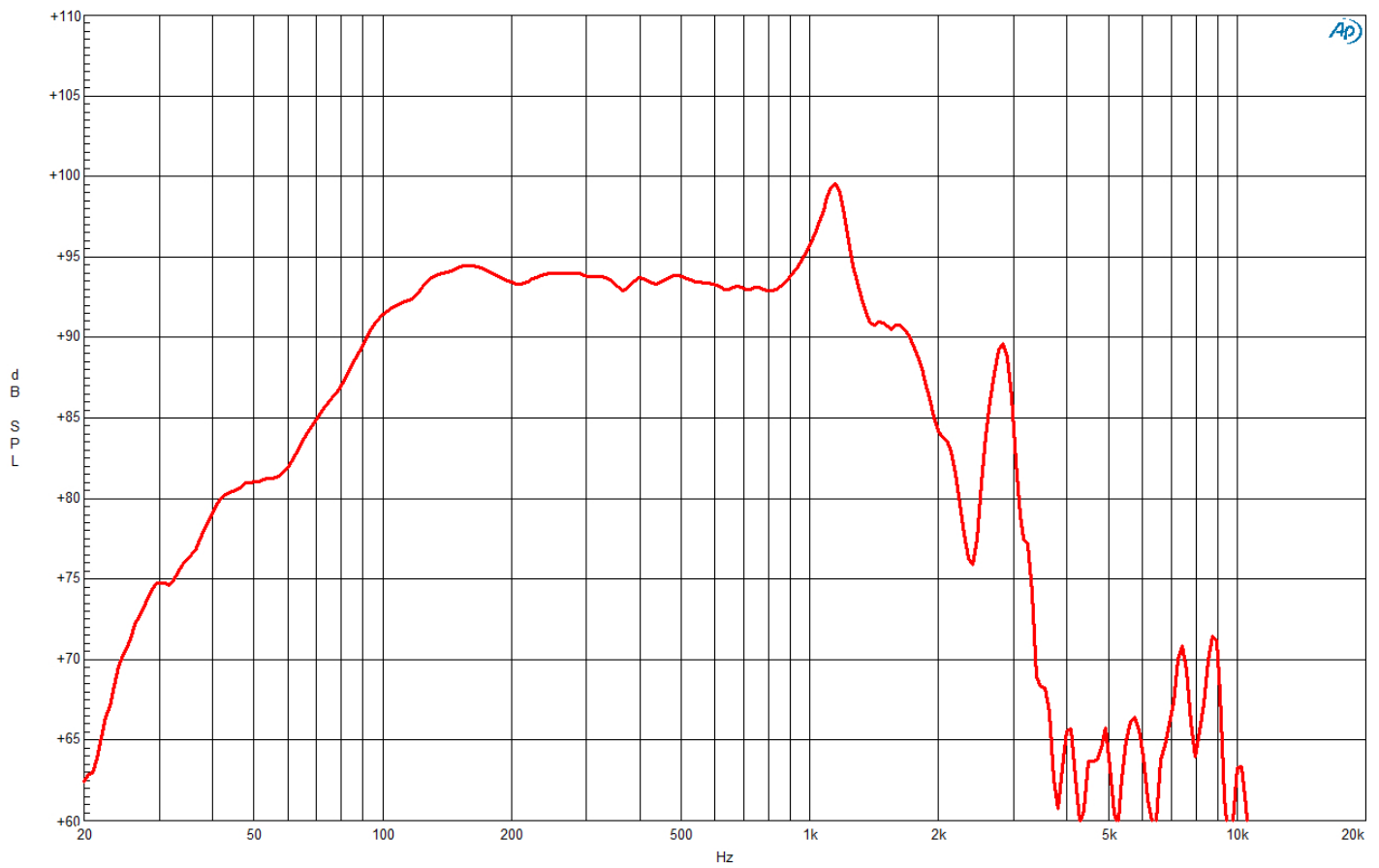
Surround Shape	<b>Triple Roll</b>
Cone Shape	<b>Radial</b>
Magnet Material	<b>Neodymium Inside Slug</b>
Spider	<b>Double Silicone</b>
Pole Design	<b>T-Pole</b>
Woofer Cone Treatment	<b>TWP Waterproof Both Sides</b>
Recommended Enclosure	<b>150 dm<sup>3</sup> (5.3 ft<sup>3</sup>)</b>
Recommended Tuning	<b>35 Hz</b>

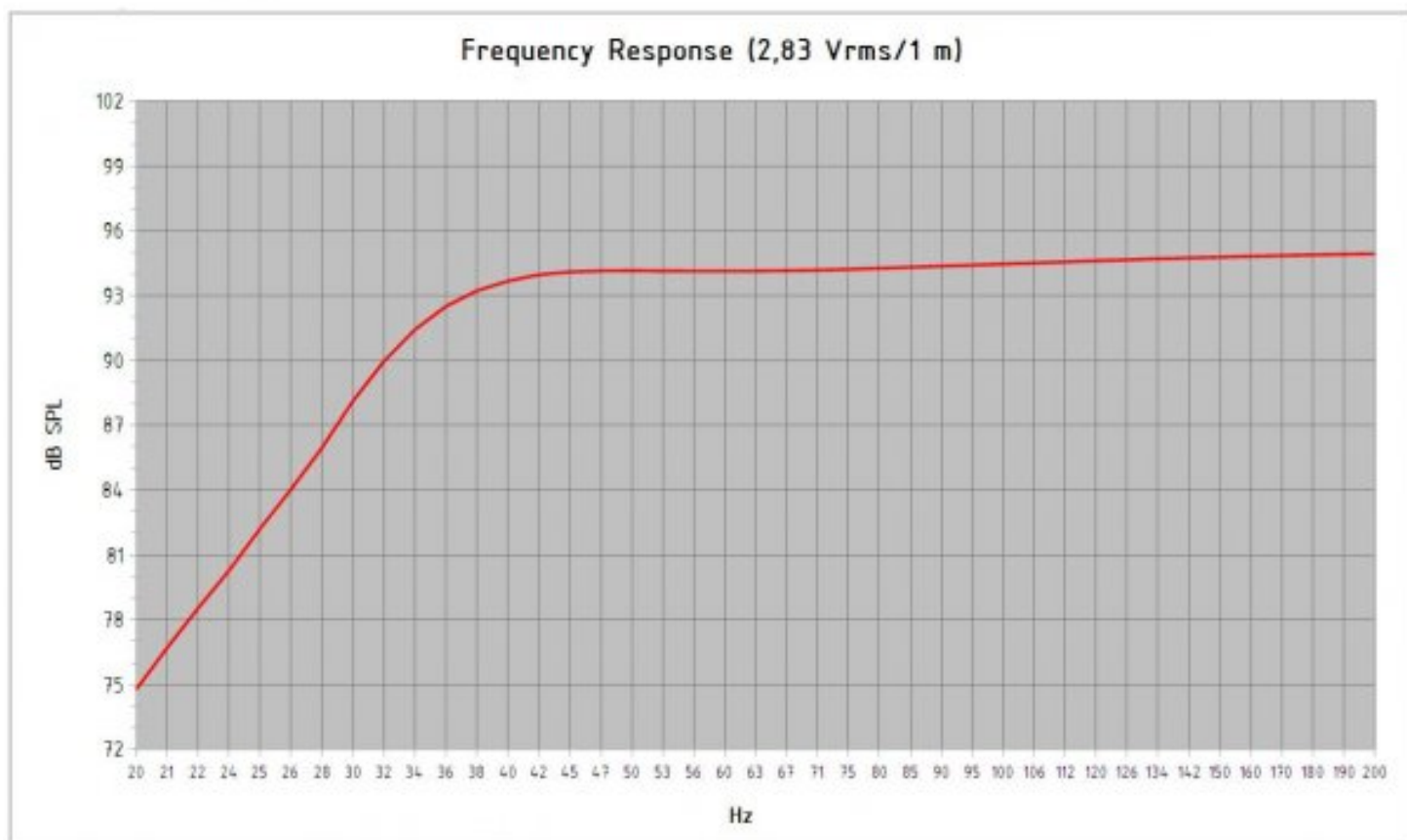
### MOUNTING AND SHIPPING INFO

Overall Diameter	<b>460 mm (18 in)</b>
Bolt Circle Diameter	<b>443 mm (17.44 in)</b>
Baffle Cutout Diameter	<b>425 mm (16.73 in)</b>
Depth	<b>242 mm (9.5 in)</b>
Flange and Gasket Thickness	<b>16 mm (0.62 in)</b>
Air Volume Occupied by Driver	<b>10.5 dm<sup>3</sup> (0.37 ft<sup>3</sup>)</b>
Net Weight	<b>11.9 kg (26.2 lb)</b>
Shipping Units	<b>1 pcs</b>
Shipping Weight	<b>13.7 kg (30.2 lb)</b>
Shipping Box	<b>500x500x300 mm (19.69x19.69x11.81 in)</b>

### SERVICE KITS

LF recone-kits	<b>RCK18SW1154</b>
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Model: **18 SW 115**  
 Enclosure Type: **Bass Reflex**

Internal Net Volume (Liters):	<b>150</b>	Port Area (cm <sup>2</sup> ):	<b>339,6</b>
Tuning Frequency (Hz):	<b>35</b>	Port Length (cm):	<b>37,5</b>
Frequency (-3 dB) (Hz):	<b>35,4</b>		

Excursion Limited Maximum SPL at 1 meter (dB):	<b>124,9</b>	equal to	<b>1161,0</b>	Watts	(Bass Band Power Rating)
Thermal Limited Maximum SPL at 1 meter (dB):	<b>126,6</b>	equal to	<b>1700,0</b>	Watts	(Mid Band Power Rating)



# LF Drivers

Ø 18 inches

**18SW115** 4 Ω

Subwoofer

