

18SW100 4 Ω

Subwoofer

- 3000 W continuous program power capacity
- 100 mm (4 in) split winding copper voice coil
- 35 - 1000 Hz response
- 96 dB sensitivity
- Excursion optimized lead wires (woven through spider)
- Double silicone spider with optimized compliance
- Ventilated voice coil gap for reduced power compression
- Aluminium demodulating ring for very low distortion



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SPECIFICATIONS

Nominal Diameter	460 mm (18 in)
Nominal Impedance	4 Ω
Minimum Impedance	4 Ω
Nominal Power Handling	1500 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	3000 W
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	96 dB
Applied RMS Voltage is set to 2V for 4 ohms Nominal Impedance.	
Frequency Range	35 Hz - 1000 Hz
Voice Coil Diameter	100 mm (4 in)
Winding Material	Copper
Former Material	Glass Fibre
Winding Depth	32 mm (1.26 in)
Magnetic Gap Depth	14 mm (0.55 in)
Flux Density	1.15 T
Woofer Cone Treatment	TWP Waterproof Both Sides

PARAMETERS

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

Fs	36 Hz
Re	3.2 Ω
Qes	0.4
Qms	5.91
Qts	0.36
Vas	160 dm³ (5.65 ft³)
Sd	1210 cm² (187.6 in²)
η ₀	1.92 %
X _{max}	12.5 mm
X _{var}	16 mm
M _{ms}	244 g
Bl	22 Tm
Le	1.52 mH
EBP	90 Hz

DESIGN

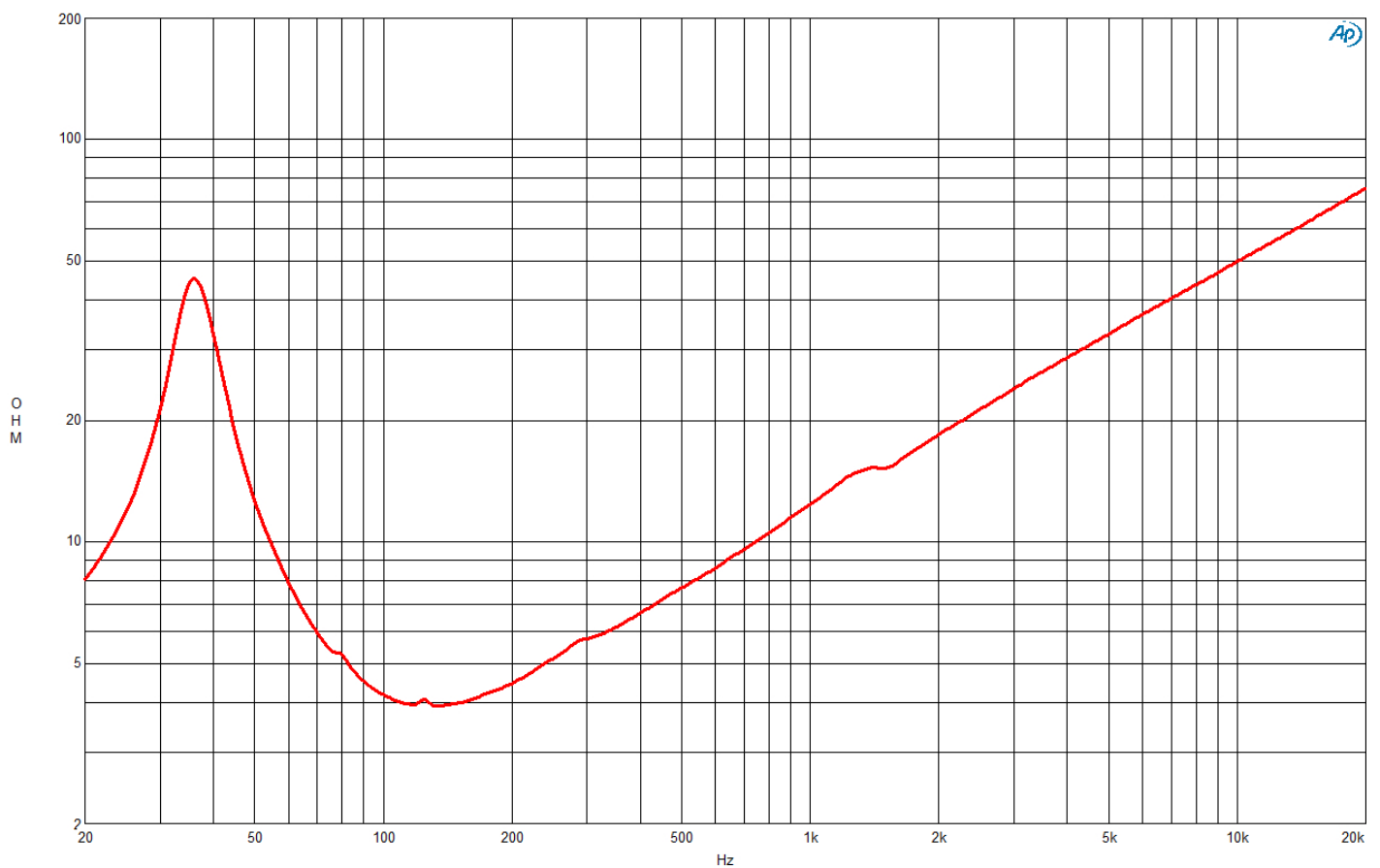
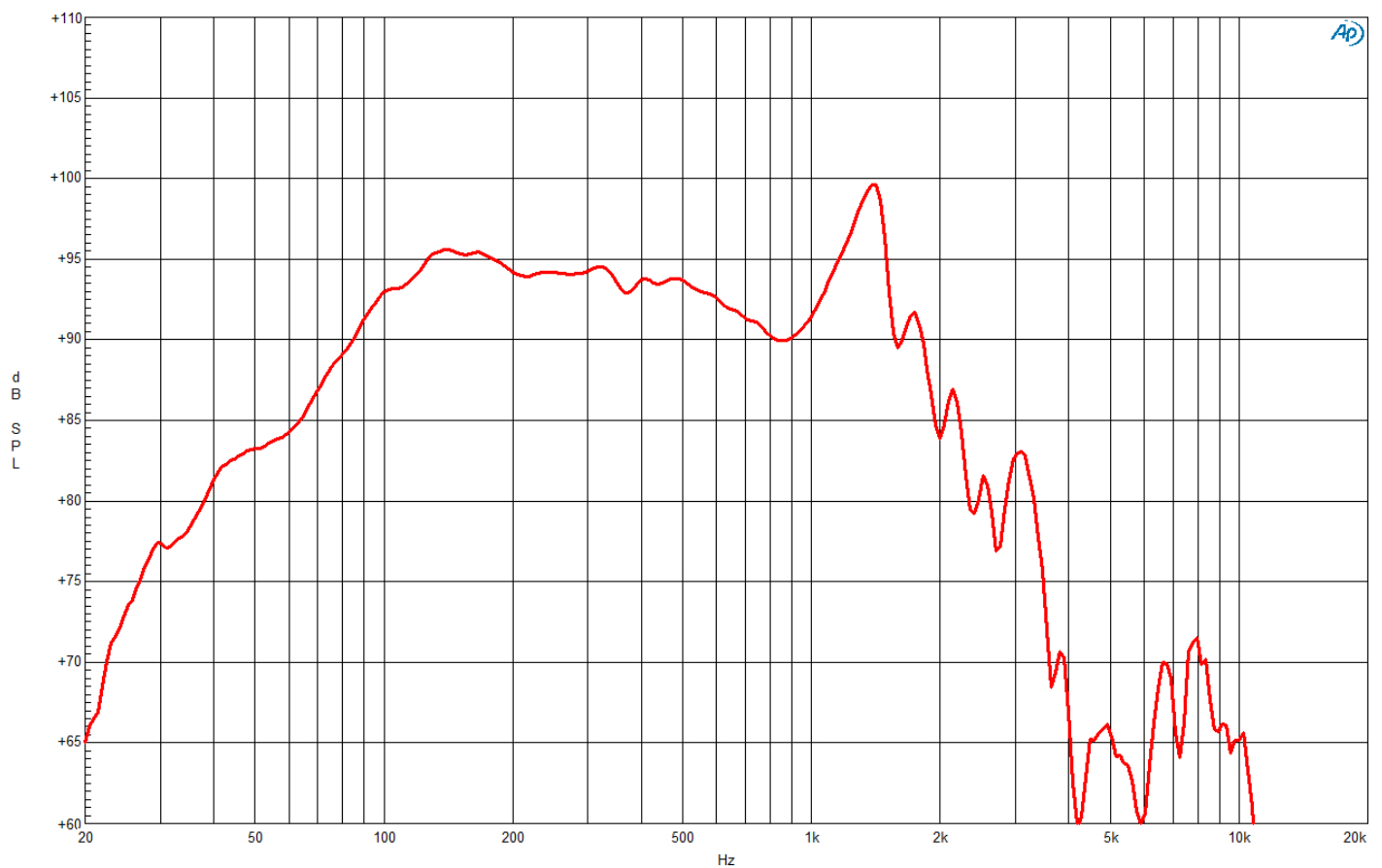
Surround Shape	Triple Roll
Cone Shape	Radial
Magnet Material	Neodymium Inside Slug
Spider	Double Silicone
Pole Design	T-Pole
Woofer Cone Treatment	TWP Waterproof Both Sides
Recommended Enclosure	200 dm³ (7.06 ft³)
Recommended Tuning	33 Hz

MOUNTING AND SHIPPING INFO

Overall Diameter	460 mm (18 in)
Bolt Circle Diameter	443 mm (17.44 in)
Baffle Cutout Diameter	425 mm (16.73 in)
Depth	239 mm (9.41 in)
Flange and Gasket Thickness	16 mm (0.63 in)
Air Volume Occupied by Driver	10 dm³ (0.35 ft³)
Net Weight	10.5 kg (23.15 lb)
Shipping Units	1 pcs
Shipping Weight	12.3 kg (27.12 lb)
Shipping Box	500x500x300 mm (19.69x19.69x11.81 in)

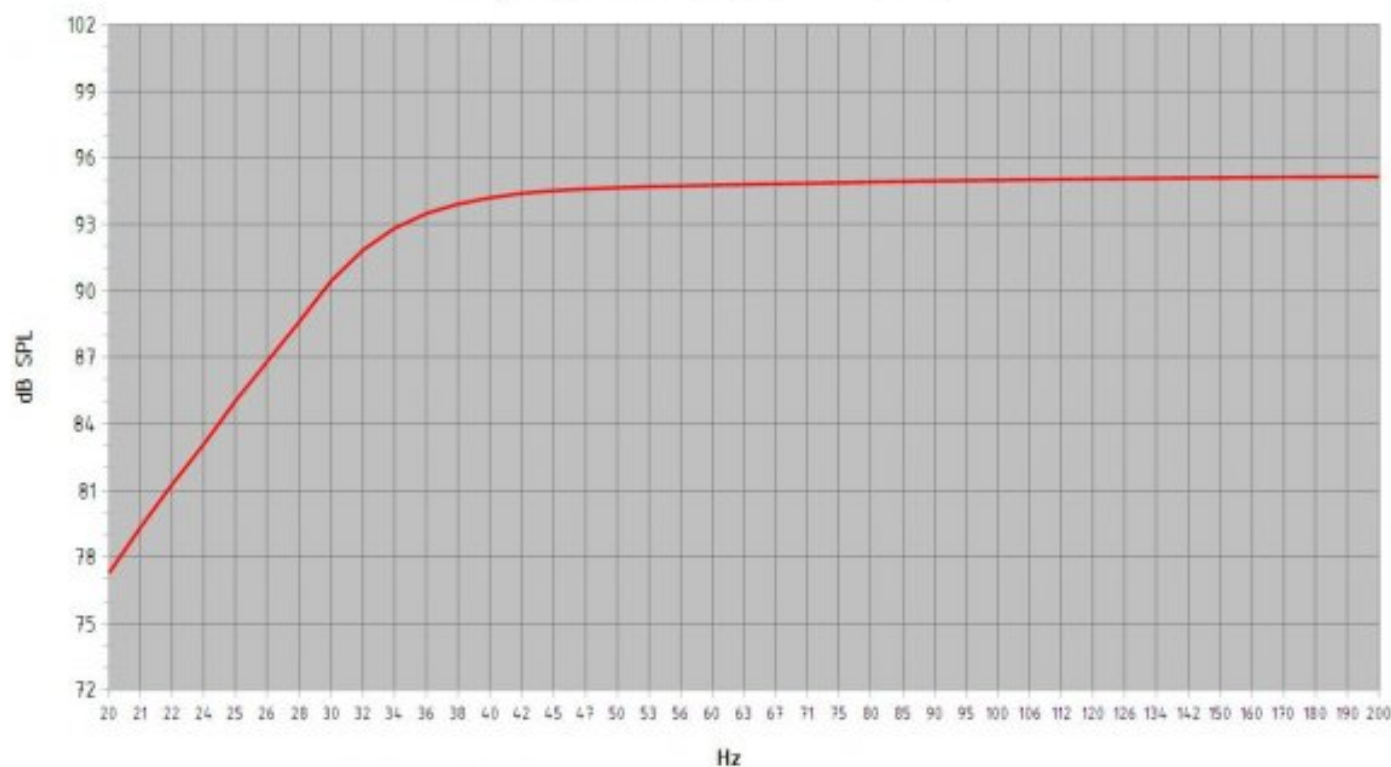
SERVICE KITS

LF recone-kits	RCK18SW1004
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Frequency Response (2,83 Vrms/1 m)



Model: **18 SW 100**
Enclosure Type: **Bass Reflex**

Internal Net Volume (Liters): **200**
Tuning Frequency (Hz): **33**
Frequency (-3 dB) (Hz): **32,7**

Port Area (cm²): **339,6**
Port Length (cm): **28,7**

Excursion Limited Maximum SPL at 1 meter (dB): **123,6** equal to **844,5** Watts (Bass Band Power Rating)
Thermal Limited Maximum SPL at 1 meter (dB): **126,1** equal to **1500,0** Watts (Mid Band Power Rating)

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