

18TBW100 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	31 mm (1.22 in)
Magnetic Gap Depth	15 mm (0.59 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	33 Hz
Re	3.2 Ω
Qes	0.34
Qms	6.23
Qts	0.32
Vas	181.5 dm³ (6.41 ft³)
Sd	1210 cm² (187.6 in²)
η ₀	1.8 %
X _{max}	12 mm
X _{var}	14 mm
M _{ms}	268 g
Bl	22.8 Tm
Le	1.64 mH
EBP	97 Hz

DESIGN

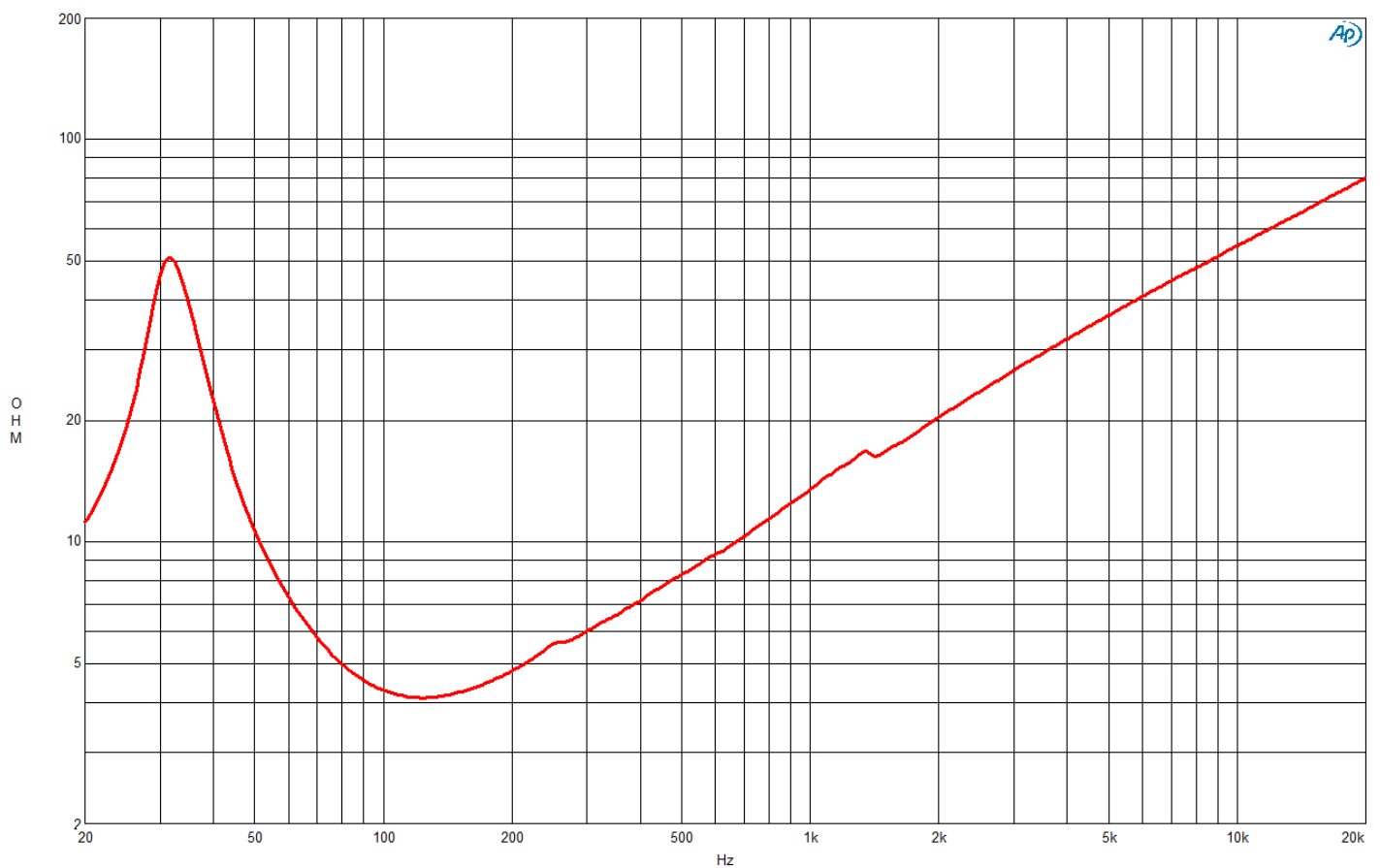
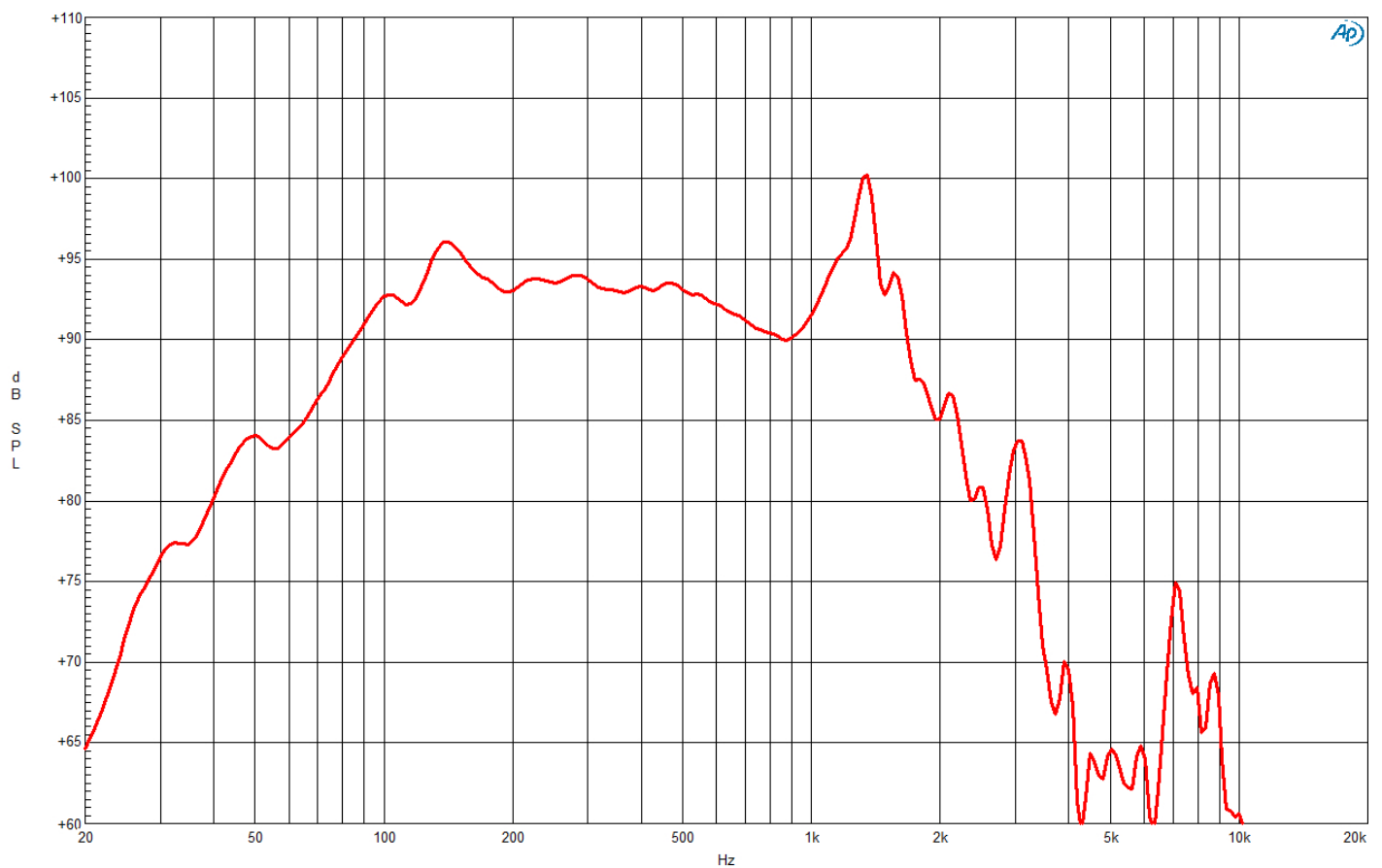
Surround Shape	Triple Roll
Cone Shape	Radial
Magnet Material	Ferrite
Spider	Double Silicone
Pole Design	T-Pole
Woofer Cone Treatment	TWP Waterproof Both Sides
Recommended Enclosure	200 dm³ (7.06 ft³)
Recommended Tuning	32 Hz

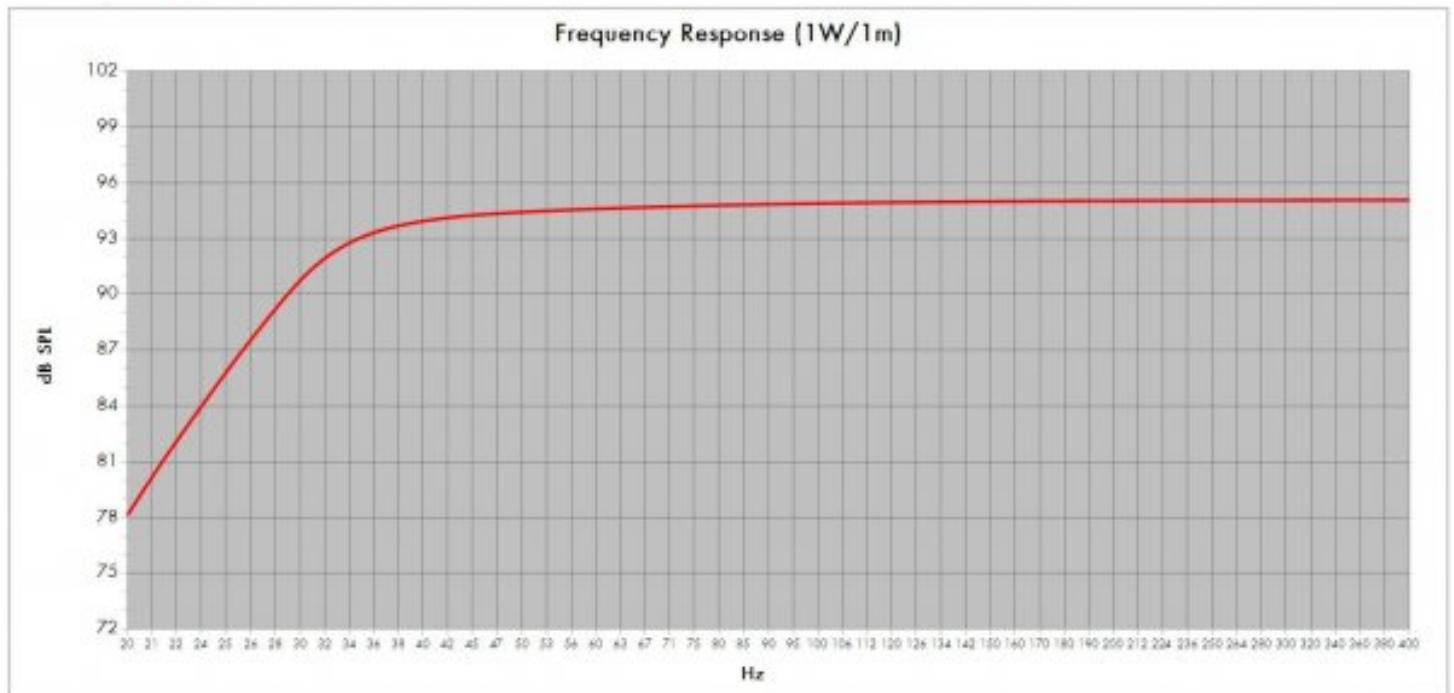
MOUNTING AND SHIPPING INFO

Overall Diameter	460 mm (18 in)
Bolt Circle Diameter	442 mm (17.4 in)
Baffle Cutout Diameter	425 mm (16.73 in)
Depth	241 mm (9.5 in)
Flange and Gasket Thickness	16 mm (0.63 in)
Air Volume Occupied by Driver	11 dm³ (0.39 ft³)
Net Weight	15.4 kg (33.95 lb)
Shipping Units	1 pcs
Shipping Weight	17 kg (37.48 lb)
Shipping Box	500x495x275 mm (19.69x19.49x10.83 in)

SERVICE KITS

LF recone-kits	RCK18TBW1004
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Model:	18TBW100		
Enclosure Type:	Bass Reflex	Configuration:	One Driver
Internal Net Volume (Litres):	200		
Tuning Frequency (Hz):	32	Port Area (cm ²):	339,6
Frequency (-3 dB) (Hz):	32,2	Port Length (cm):	31,7

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