

15TBW100 4 Ω

Subwoofer

- 3000 W continuous program power capacity
- 100 mm (4 in) split winding copper voice coil
- 40 - 1500 Hz response
- 95 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	380 mm (15 in)
Nominal Impedance	4 Ω
Minimum Impedance	4.2 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	95 dB
Applied RMS Voltage is set to 2V for 4 ohms Nominal Impedance.	
Frequency Range	40 Hz - 1500 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	39 Hz
Re	3.2 Ω
Qes	0.3
Qms	5.55
Qts	0.28
Vas	88 dm³ (3.11 ft³)
Sd	855 cm² (132.5 in²)
η ₀	1.64 %
X _{max}	12 mm
X _{var}	13.5 mm
M _{ms}	197 g
Bl	22.56 Tm
Le	1.64 mH
EBP	130 Hz

DESIGN

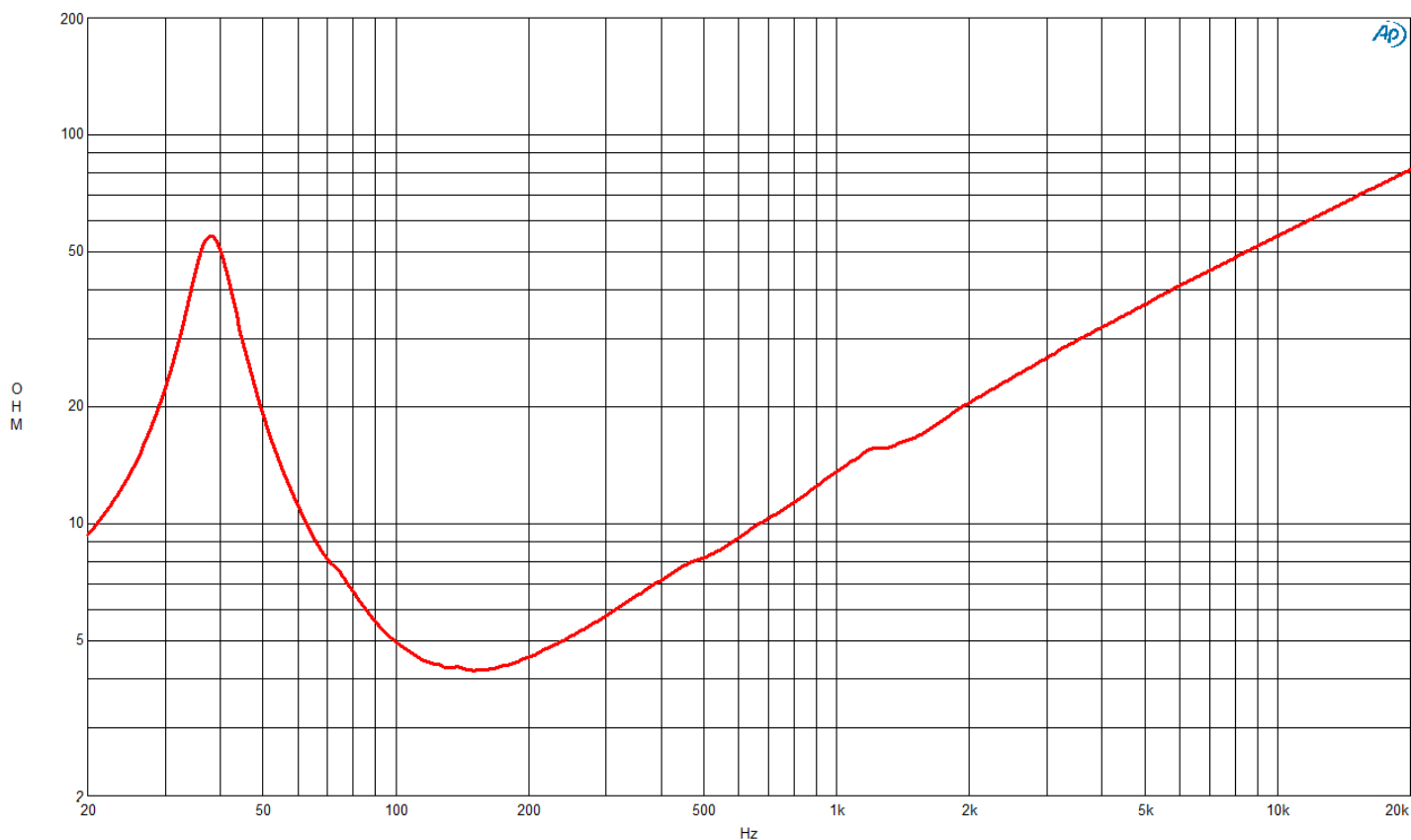
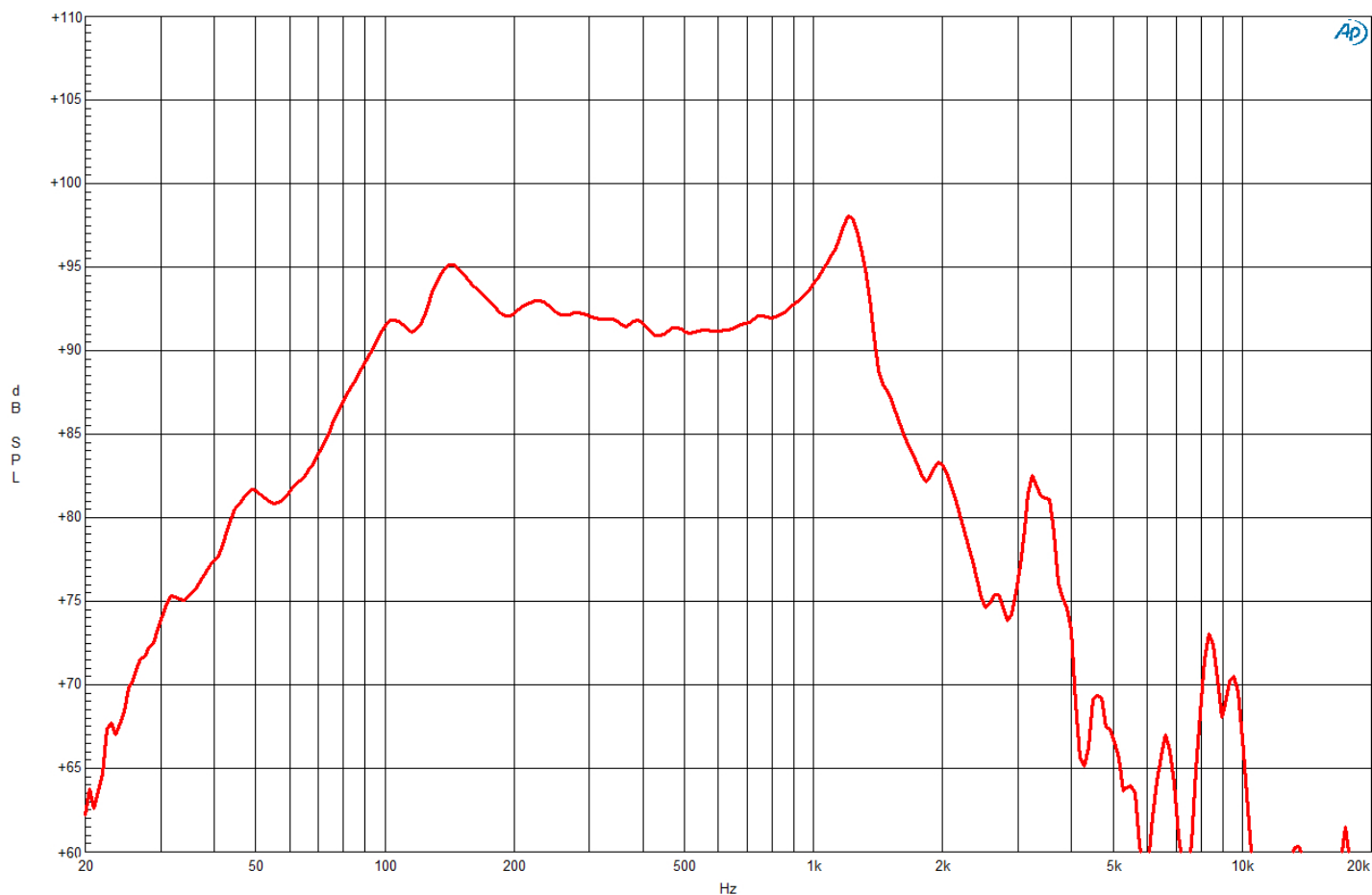
Surround Shape	Triple Roll
Cone Shape	Radial
Magnet Material	Ferrite
Spider	Double Silicone
Pole Design	T-Pole
Woofer Cone Treatment	TWP Waterproof Both Sides
Recommended Enclosure	95 dm³ (3.35 ft³)
Recommended Tuning	40 Hz

MOUNTING AND SHIPPING INFO

Overall Diameter	393 mm (15.5 in)
Bolt Circle Diameter	374 mm (14.7 in)
Baffle Cutout Diameter	354 mm (13.9 in)
Depth	191 mm (7.52 in)
Flange and Gasket Thickness	14 mm (0.55 in)
Air Volume Occupied by Driver	6 dm³ (0.21 ft³)
Net Weight	12.2 kg (26.9 lb)
Shipping Units	1 pcs
Shipping Weight	13.5 kg (29.76 lb)
Shipping Box	425x425x224 mm (16.73x16.73x8.82 in)

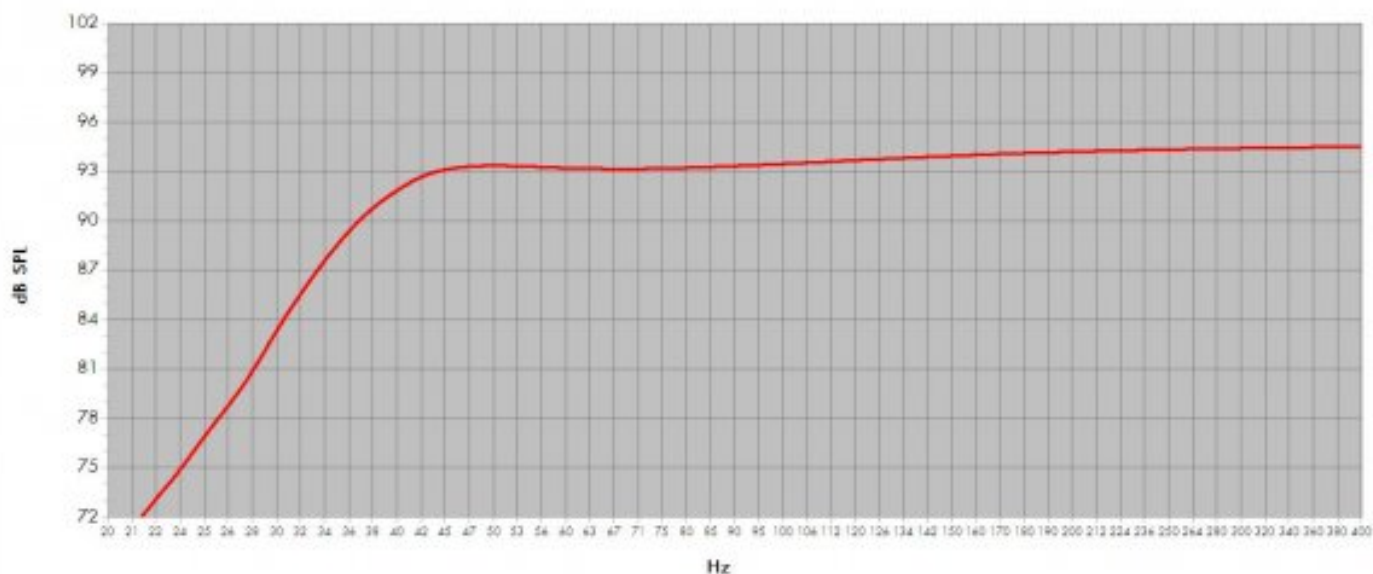
SERVICE KITS

LF recone-kits	RCK15TBW1004
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Frequency Response (1W/1m)



Model:	15TBW100		
Enclosure Type:	Bass Reflex	Configuration:	One Driver
Internal Net Volume [Litres]:	95	Q8:	7
Tuning Frequency (Hz):	40	Port Area [cm²]:	277,5
Frequency [-3 dB] (Hz):	39,6	Port Length [cm]:	38,6
Excursion Limited Maximum SPL at 1 meter (dB):	122,7	equal to:	773,2 Watts (Bass Band Power Rating)
Thermal Limited Maximum SPL at 1 meter (dB):	126,3	equal to:	1500,0 Watts (Mid Band Power Rating)

