

15PS100 8 Ω

Subwoofer

- 1400 W continuous program power capacity
- 100 mm (4 in) copper voice coil
- 35 - 1500 Hz response
- 95 dB sensitivity
- Double silicone spider with optimized compliance



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SPECIFICATIONS

Nominal Diameter	380 mm (15 in)
Nominal Impedance	8 Ω
Minimum Impedance	6.5 Ω
Nominal Power Handling	700 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	1400 W
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	95 dB
Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	
Frequency Range	35 Hz - 1500 Hz
Voice Coil Diameter	100 mm (4 in)
Winding Material	Copper
Former Material	Glass Fibre
Winding Depth	21 mm (0.83 in)
Magnetic Gap Depth	11 mm (0.4 in)
Flux Density	1.05 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	5.2 Ω
Qes	0.47
Qms	6
Qts	0.43
Vas	103 dm³ (3.64 ft³)
Sd	855 cm² (132.5 in²)
η ₀	1.35 %
X _{max}	8 mm
X _{var}	6.5 mm
M _{ms}	160 g
Bl	21.2 Tm
Le	2 mH
EBP	83 Hz

DESIGN

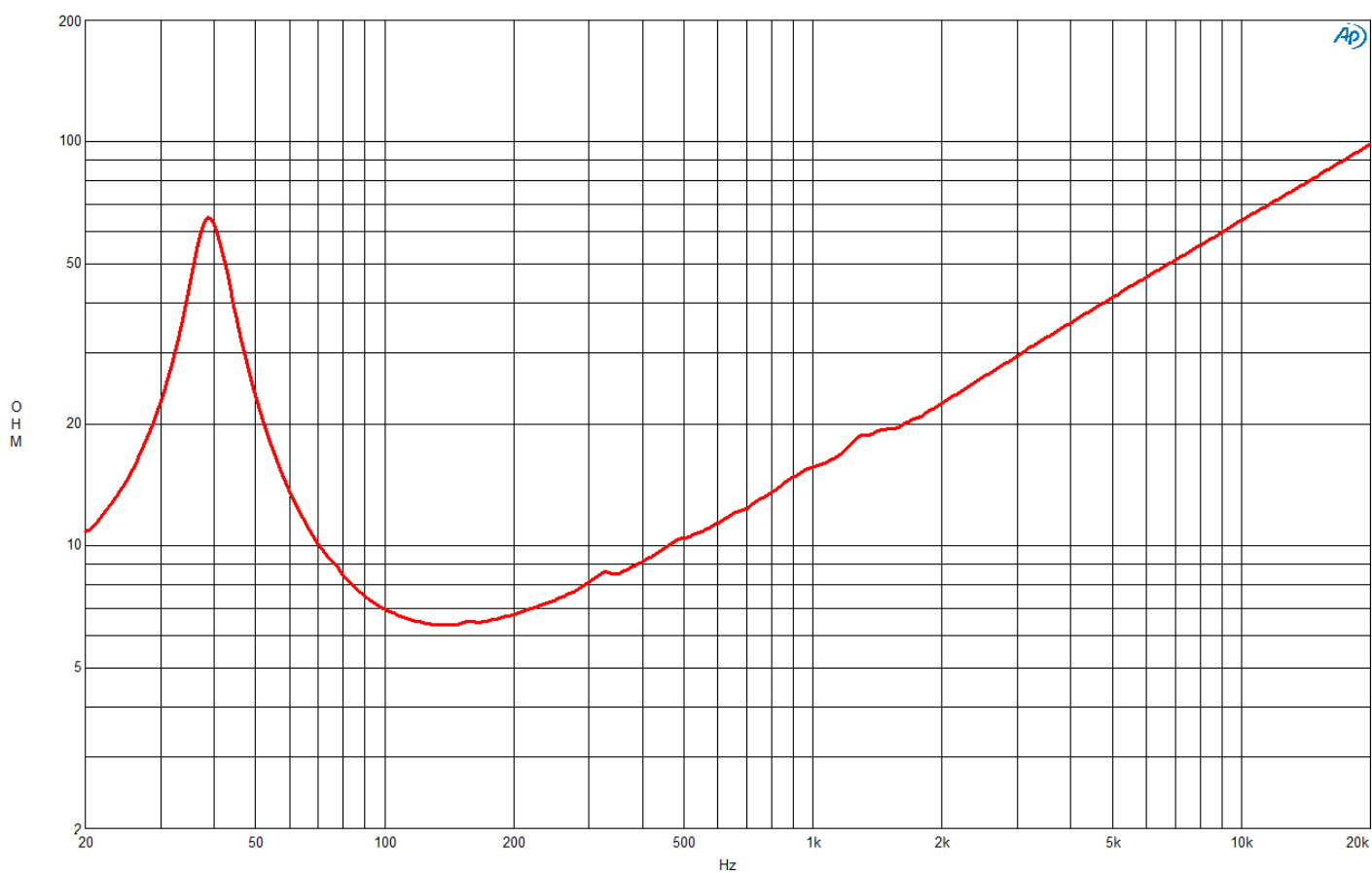
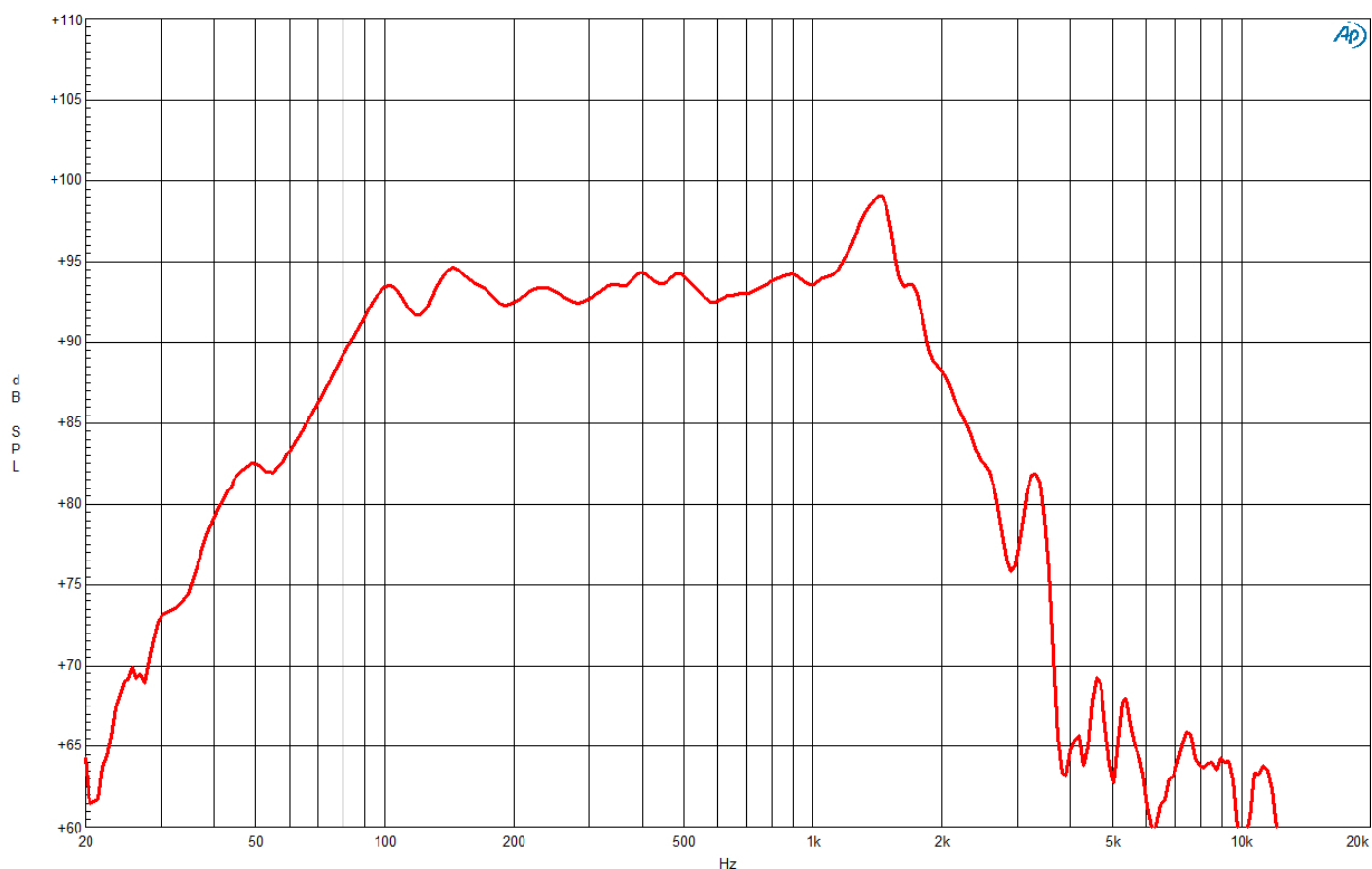
Surround Shape	Triple Roll
Cone Shape	Radial
Magnet Material	Ferrite
Spider	Double Silicone
Pole Design	T-Pole
Woofer Cone Treatment	TWP Waterproof Both Sides
Recommended Enclosure	120 dm³ (4.24 ft³)
Recommended Tuning	35 Hz

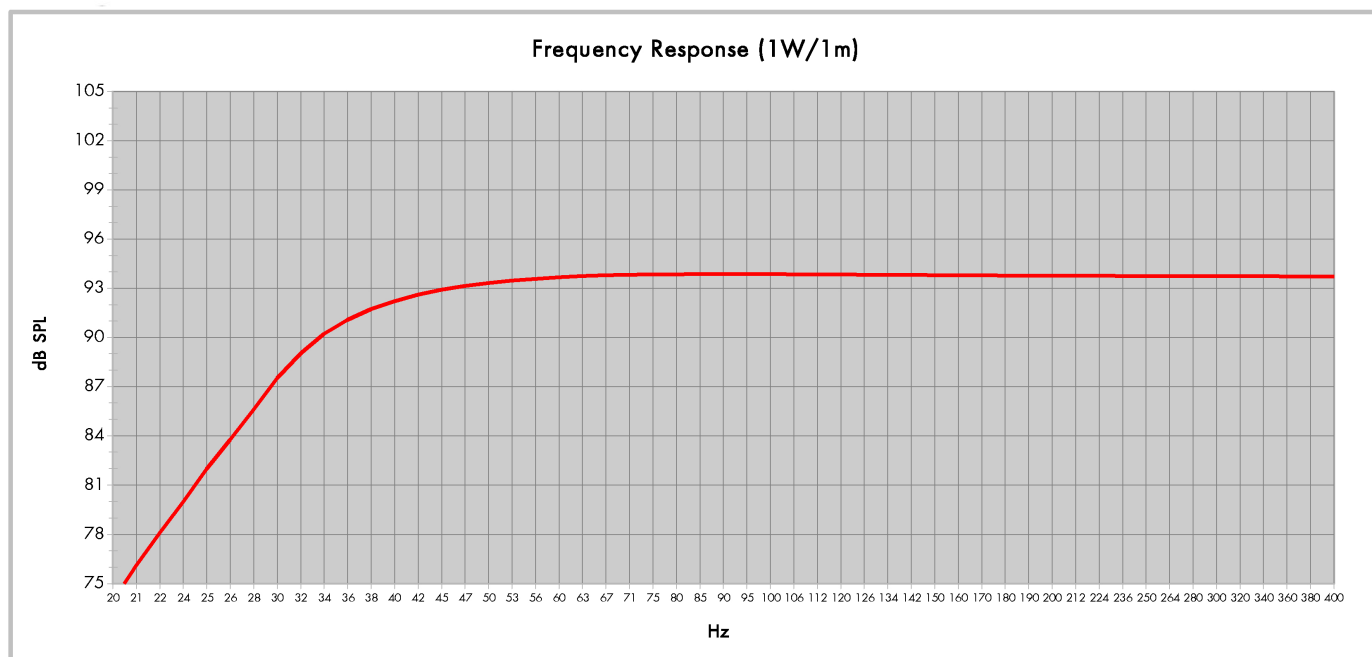
MOUNTING AND SHIPPING INFO

Overall Diameter	393 mm (15.5 in)
Bolt Circle Diameter	374 mm (14.72 in)
Baffle Cutout Diameter	354 mm (13.9 in)
Depth	168 mm (6.6 in)
Flange and Gasket Thickness	16 mm (0.63 in)
Air Volume Occupied by Driver	6.3 dm³ (0.22 ft³)
Net Weight	9.8 kg (21.6 lb)
Shipping Weight	11.1 kg (24.47 lb)
Shipping Box	425x425x224 mm (16.73x16.73x8.82 in)

SERVICE KITS

LF recone-kits	RCK15PS1008
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Model:	15PS100		
Enclosure Type:	Bass Reflex	Configuration:	One Driver
Internal Net Volume (Litres):	120	QB:	7
Tuning Frequency (Hz):	35	Port Area (cm ²):	200,0
Frequency (-3 dB) (Hz):	35,2	Port Length (cm):	27,0
Frequency (-10 dB) (Hz):	26,4		

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