

18PZB100 8 Ω

Subwoofer

- 1400 W continuous program power capacity
- 100 mm (4 in) copper voice coil
- 40 - 2000 Hz response
- 97 dB sensitivity
- Double silicone spider with optimized compliance



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SPECIFICATIONS

Nominal Diameter	460 mm (18 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	97 dB
Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	
Frequency Range	40 Hz - 2000 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 (0.43 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	30 Hz
Re	5.3 Ω
Qes	0.25
Qms	8.8
Qts	0.24
Vas	297 dm³ (10.5 ft³)
Sd	1134 cm² (175.8 in²)
η ₀	3.1 %
X _{max}	8 mm
X _{var}	8 mm
M _{ms}	170 g
Bl	26 Tm
Le	2.1 mH
EBP	120 Hz

DESIGN

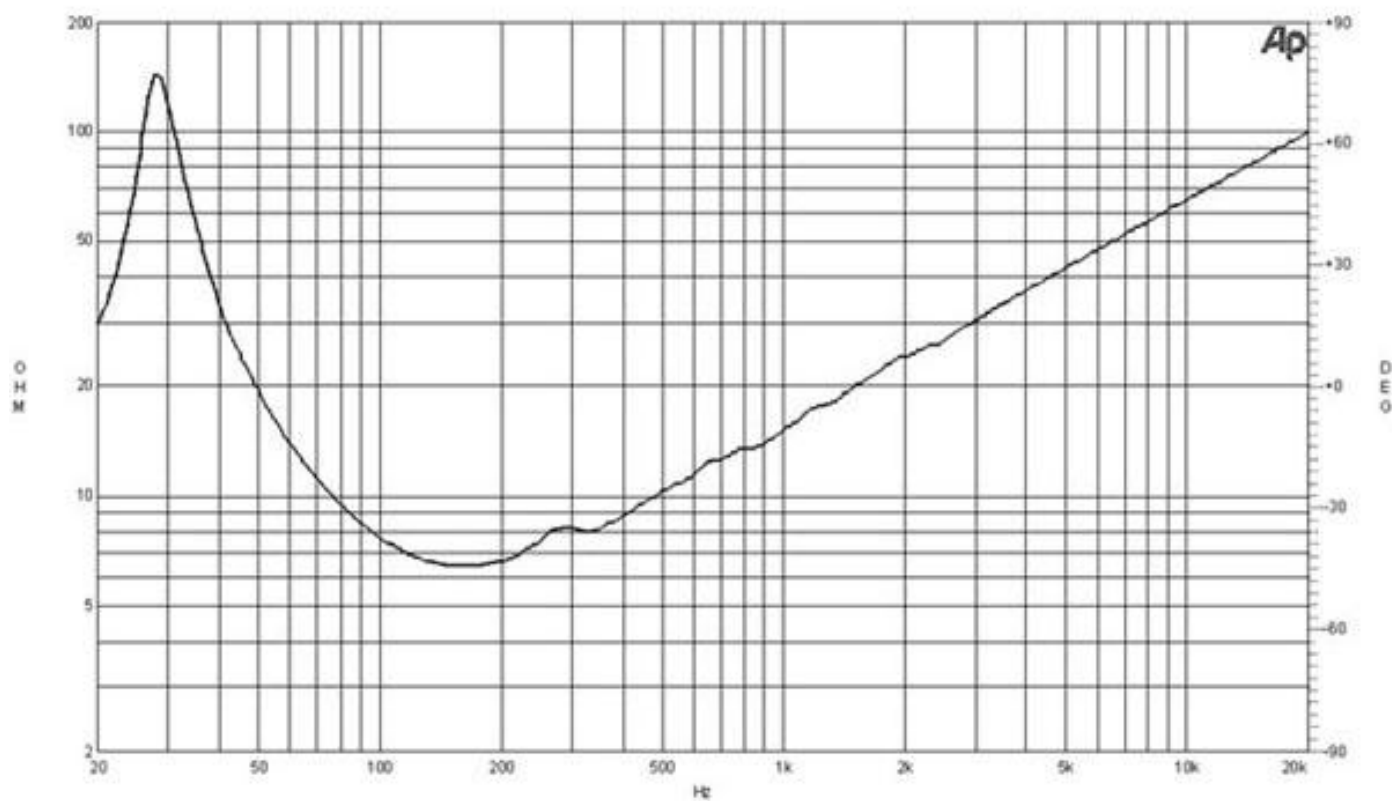
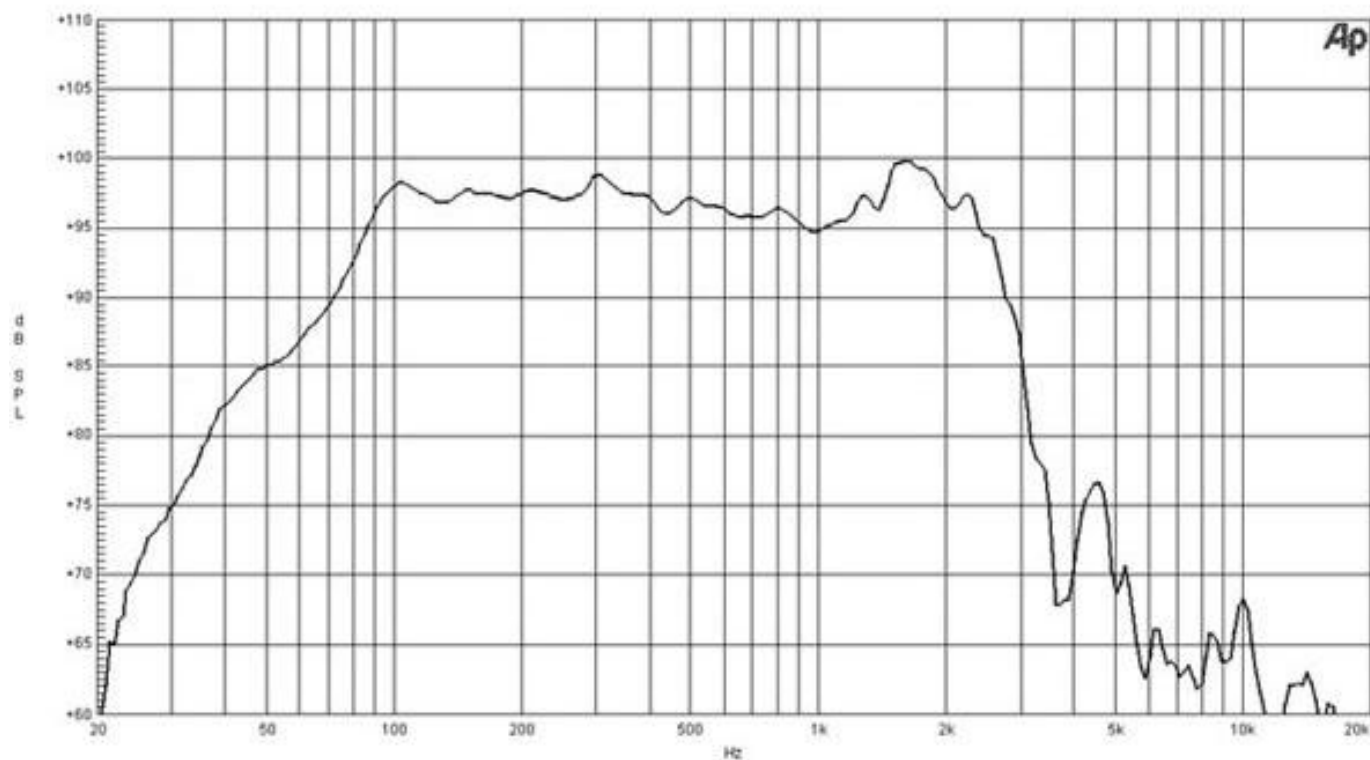
Surround Shape	Double Roll
Cone Shape	Exponential
Magnet Material	Ferrite
Spider	Double Silicone
Pole Design	Straight Pole
Woofer Cone Treatment	TWP Waterproof Both Sides
Recommended Enclosure	160 dm³ (5.65 ft³)
Recommended Tuning	39 Hz

MOUNTING AND SHIPPING INFO

Overall Diameter	460 mm (18.11 in)
Bolt Circle Diameter	440 mm (17.3 in)
Baffle Cutout Diameter	422 mm (16.6 in)
Depth	202 mm (7.95 in)
Flange and Gasket Thickness	16 mm (0.63 in)
Air Volume Occupied by Driver	9.5 dm³ (0.33 ft³)
Net Weight	12.2 kg (26.9 lb)
Shipping Units	1 pcs
Shipping Weight	13.8 kg (30.42 lb)
Shipping Box	500x495x275 mm (19.69x19.49x10.83 in)

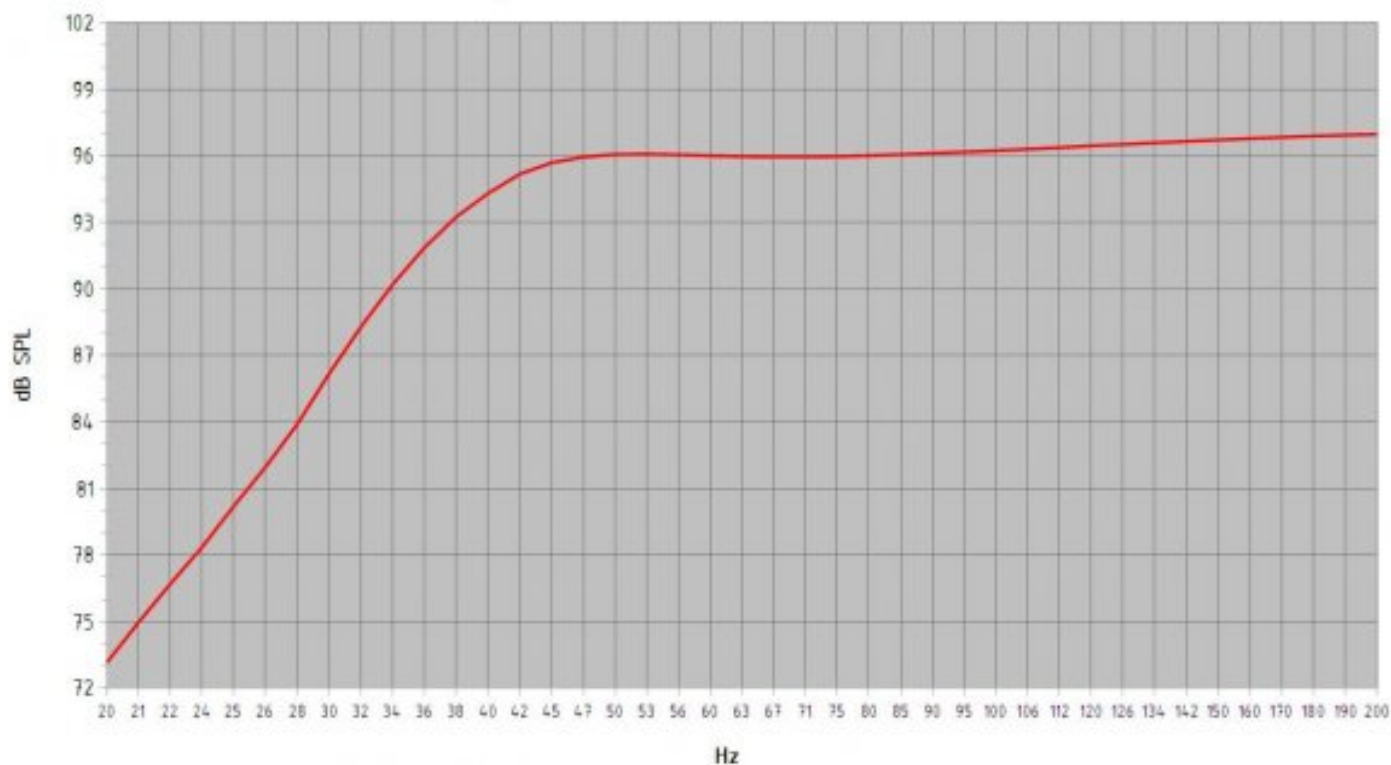
SERVICE KITS

LF recone-kits	RCK18PZB1008
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Frequency Response (2,83 Vrms/1 m)



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

Internal Net Volume (Liters): **160**
Tuning Frequency (Hz): **39**
Frequency (-3 dB) (Hz): **40,3**

Port Area (cm²): **339,6**
Port Length (cm): **23,8**

Excursion Limited Maximum SPL at 1 meter (dB): **120,6** equal to **256,1** Watts (Bass Band Power Rating)
Thermal Limited Maximum SPL at 1 meter (dB): **125,0** equal to **700,0** Watts (Mid Band Power Rating)

