18PS100 8 Ω

Subwoofer

- 1400 W continuous program power capacity
- 100 mm (4 in) copper voice coil
- 30 - 1000 Hz response
- 95.5 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	**6.3 Ω**
Nominal Power Handling 2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minumum impedance. Loudspeaker in free air.	**700 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**1400 W**
Sensitivity Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	**95.5 dB**
Frequency Range	**30 Hz - 1000 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	**10.5 mm (0.41 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	**30 Hz**
Re	**5.3 Ω**
Qes	**0.41**
Qms	**4.6**
Qts	**0.39**
Vas	**245 dm³ (8.6 ft³)**
Sd	**1210 cm² (187.6 in²)**
η0	**1.6 %**
Xmax	**8 mm**
Xvar	**8 mm**
Mms	**202 g**
Bl	**22.5 Tm**
Le	**2.1 mH**
EBP	**73 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	**250 dm³ (8.83 ft³)**
Recommended Tuning	**29 Hz**

MOUNTING AND SHIPPING INFO

Overall Diameter	**460 mm (18 in)**
Bolt Circle Diameter	**440 mm (17.3 in)**
Baffle Cutout Diameter	**422 mm (16.6 in)**
Depth	**197 mm (7.75 in)**
Flange and Gasket Thickness	**16 mm (0.62 in)**
Air Volume Occupied by Driver	**9.5 dm³ (0.33 ft³)**
Net Weight	**10.2 kg (22.49 lb)**
Shipping Units	**1 pcs**
Shipping Weight	**11.8 kg (26.01 lb)**
Shipping Box	**500x495x275 mm (19.69x19.49x10.83 in)**

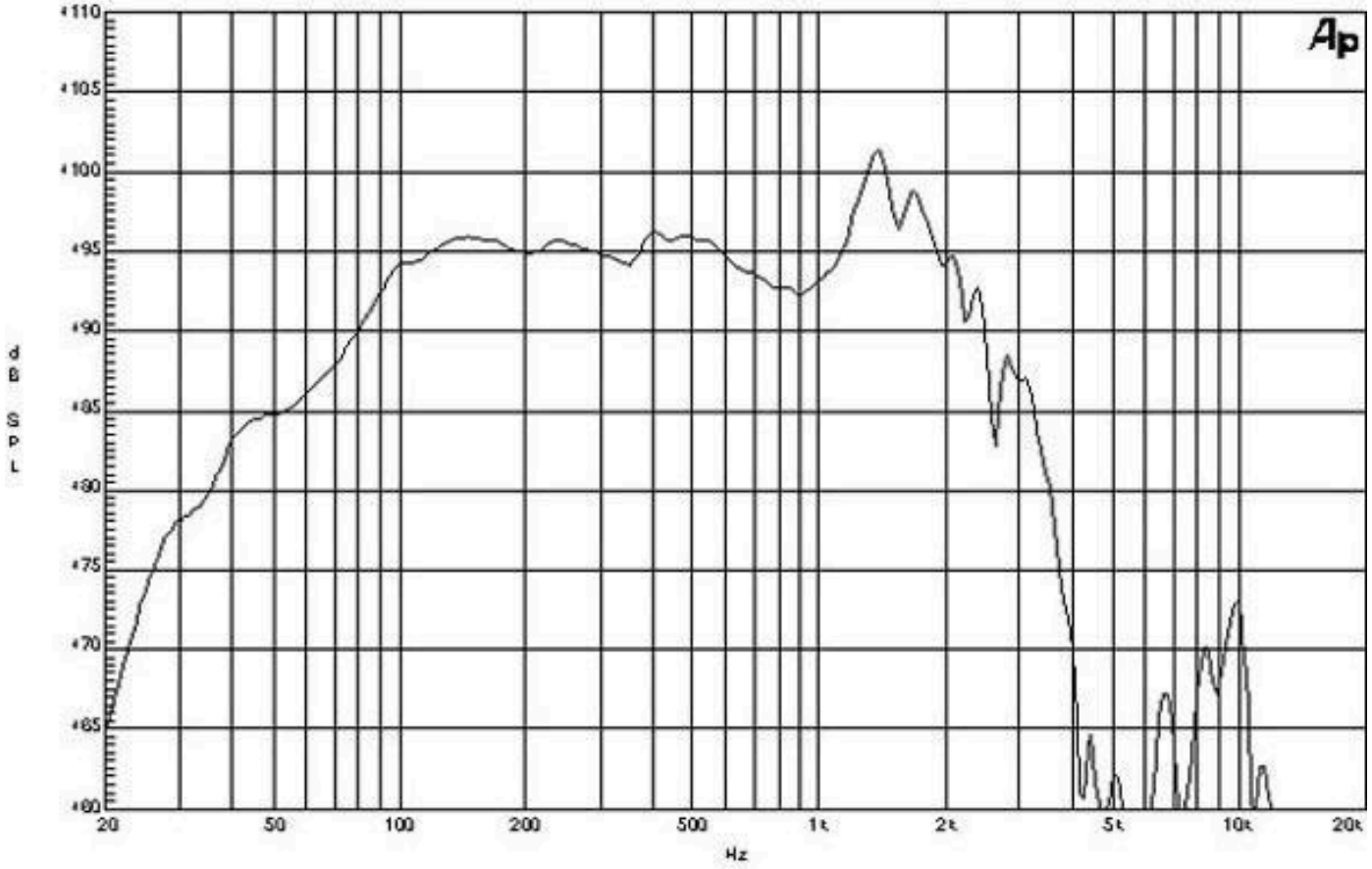
SERVICE KITS

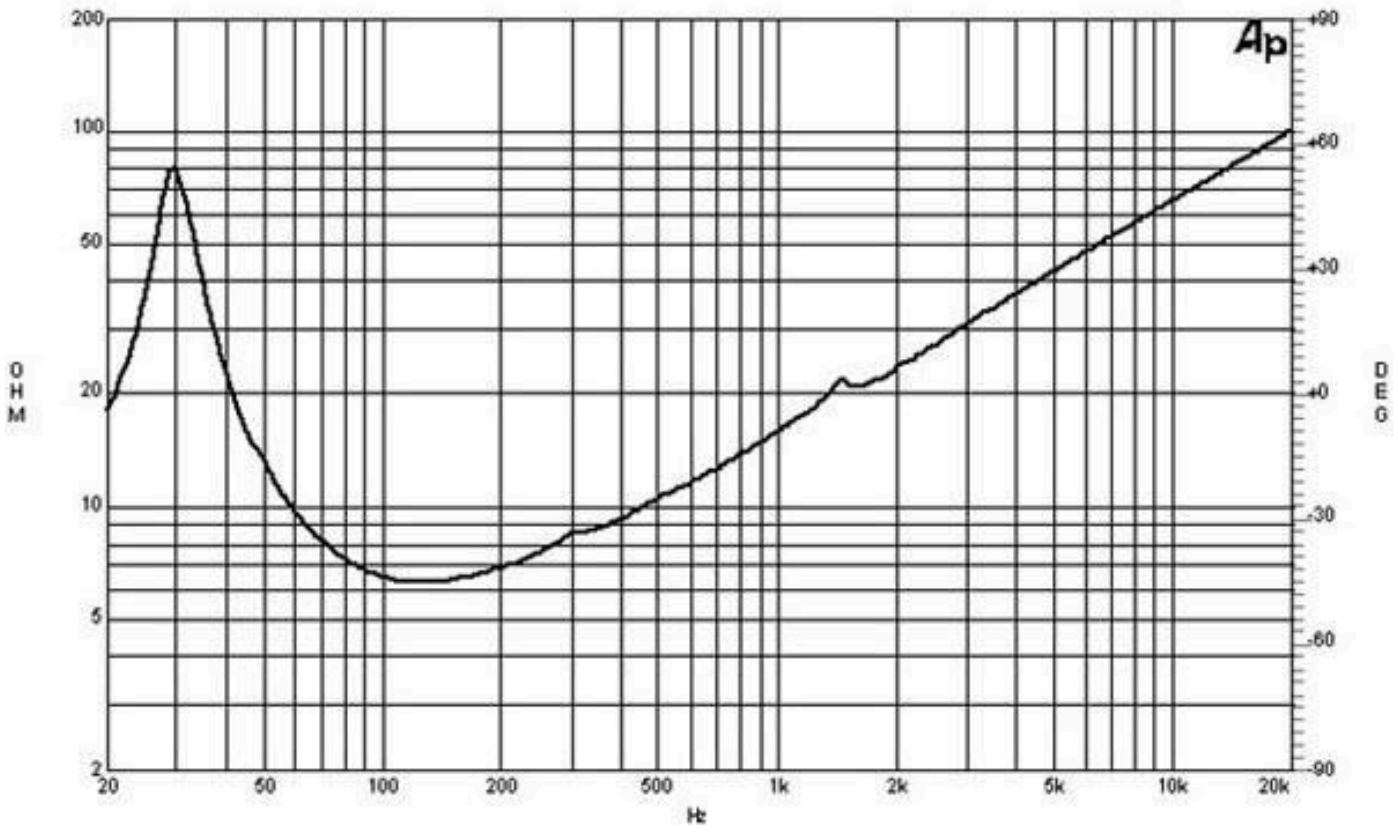
LF recone-kits	**RCK18PS1008**

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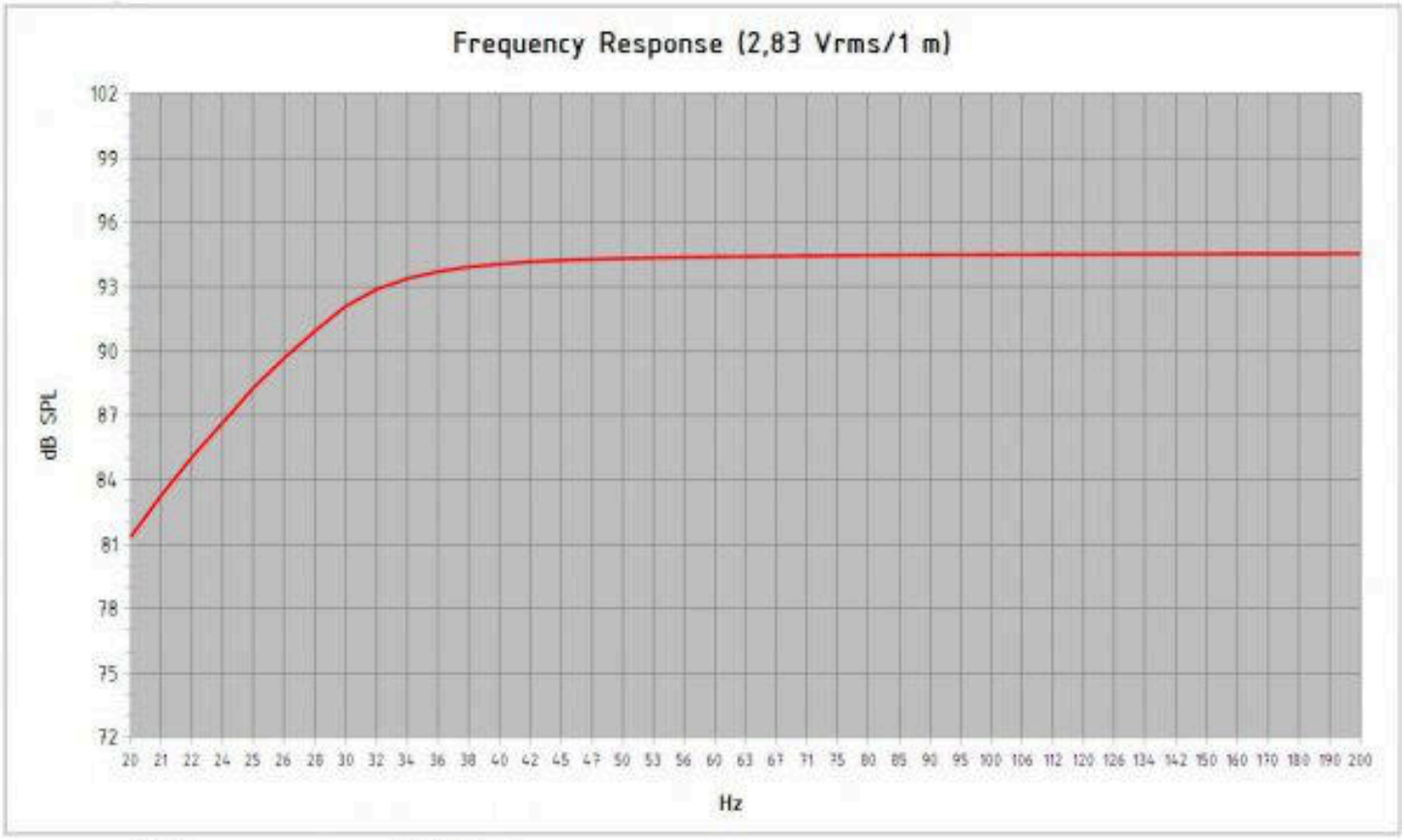




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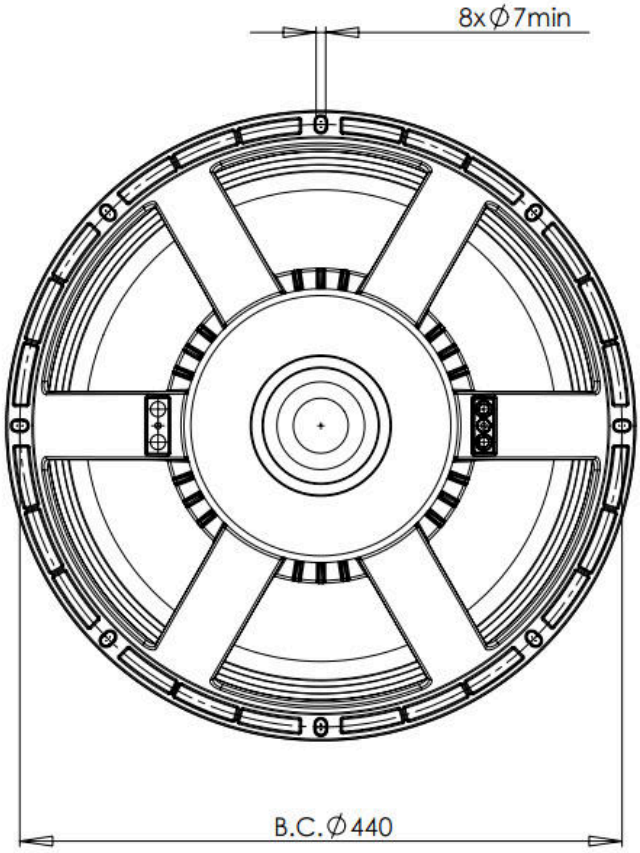


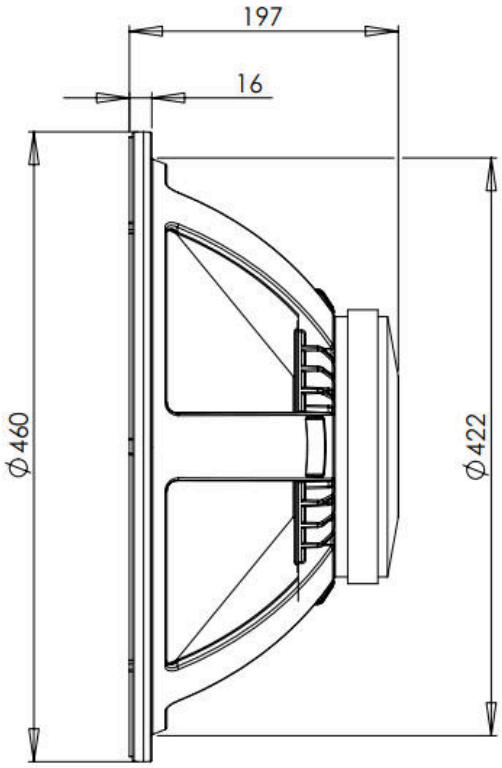
Model	***18 PS 100***				
Enclosure Type	***Bass Reflex***				
Internal Net Volume (Liters)	***250***				
Tuning Frequency (Hz)	***29***	*Port Area (cm²)*	***339,6***		
Frequency (-3 dB) (Hz)	***29,1***	*Port Length (cm)*	***30,4***		
Excursion Limited Maximum SPL at 1 meter (dB)	***115,5***	*equal to*	***156,9***	*Watts*	*(Bass Band Power Rating)*
Thermal Limited Maximum SPL at 1 meter (dB)	***122,0***	*equal to*	***700,0***	*Watts*	*(Mid Band Power Rating)*

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