18PZW100 8 Ω

Subwoofer

- 2000 W continuous program power capacity
- 100 mm (4 in) copper voice coil
- 37 - 2000 Hz response
- 97.6 dB sensitivity
- Double silicone spider with optimized compliance

The 18PZW100* is a long Xmax, high power subwoofer that features a triple roll surround. This proven model features a 21 mm long, 4 inch diameter (100mm) Copper wire voice coil. A 1000watt AES power rating, 97.6 dB sensitivity, and over 10.5mm of Xvar make the 18PZW100 an interesting alternative.
*Also known as 18/126 in some regions.





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Subwoofer

SPECIFICATIONS

Nominal Diameter	**460 mm (18 in)**
Nominal Impedance	**8 Ω**
Minimum Impedance	**6.2 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.	**1000 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**2000 W**
Sensitivity Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	**97.6 dB**
Frequency Range	**37 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 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	**37 Hz**
Re	**5.1 Ω**
Qes	**0.38**
Qms	**7.9**
Qts	**0.36**
Vas	**186 dm^3 (6.57 ft^3)**
Sd	**1210 cm^2 (187.55 in^2)**
η0	**2.32 %**
Xmax	**8 mm**
Xvar	**10.5 mm**
Mms	**209 g**
Bl	**25.5 Tm**
Le	**1.58 mH**
EBP	**97 Hz**

DESIGN

Surround Shape	**Triple Roll**
Cone Shape	**Exponential**
Magnet Material	**Ferrite**
Spider	**Double Silicone**
Pole Design	**T-Pole**
Woofer Cone Treatment	**TWP Waterproof Both Sides**
Recommended Enclosure	**150 dm^3 (5.3 ft^3)**
Recommended Tuning	**40 Hz**

MOUNTING AND SHIPPING INFO

Overall Diameter	**460 mm (18.11 in)**
Bolt Circle Diameter	**440 mm (17.32 in)**
Baffle Cutout Diameter	**422 mm (16.61 in)**
Depth	**202 mm (7.95 in)**
Flange and Gasket Thickness	**16 mm (0.65 in)**
Air Volume Occupied by Driver	**9.5 dm^3 (0.34 ft^3)**
Net Weight	**12.25 kg (27.01 lb)**
Shipping Units	**1 pcs**
Shipping Weight	**13.85 kg (30.53 lb)**
Shipping Box	**500x495x275 mm (19.69x19.49x10.83 in)**

SERVICE KITS

LF recone-kits	**RCK18PZW1008**

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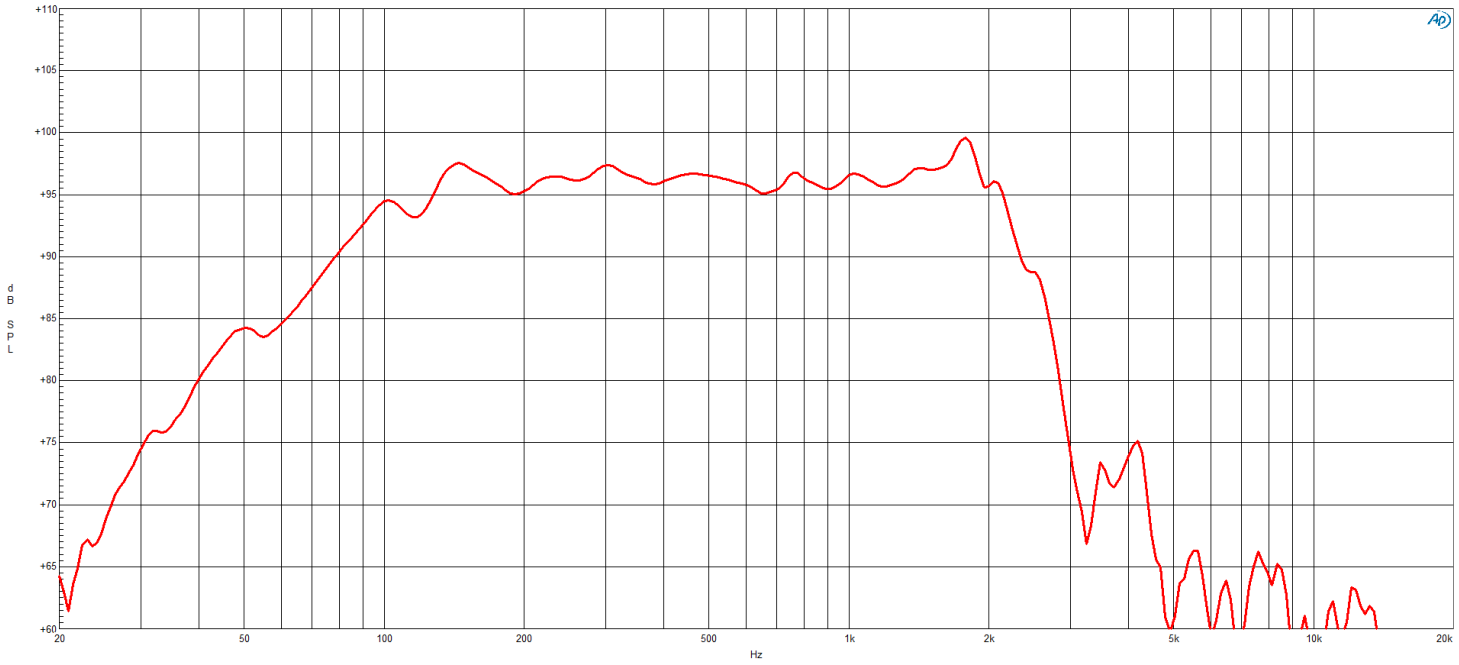

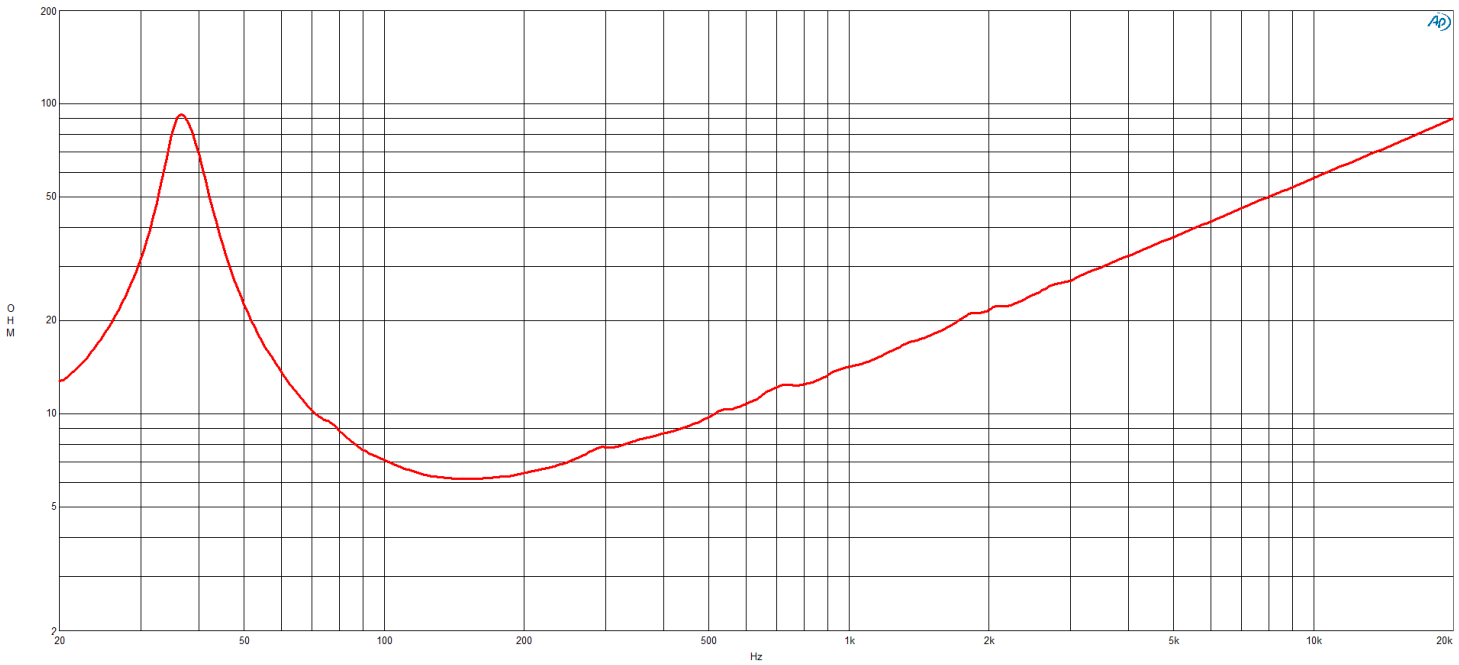

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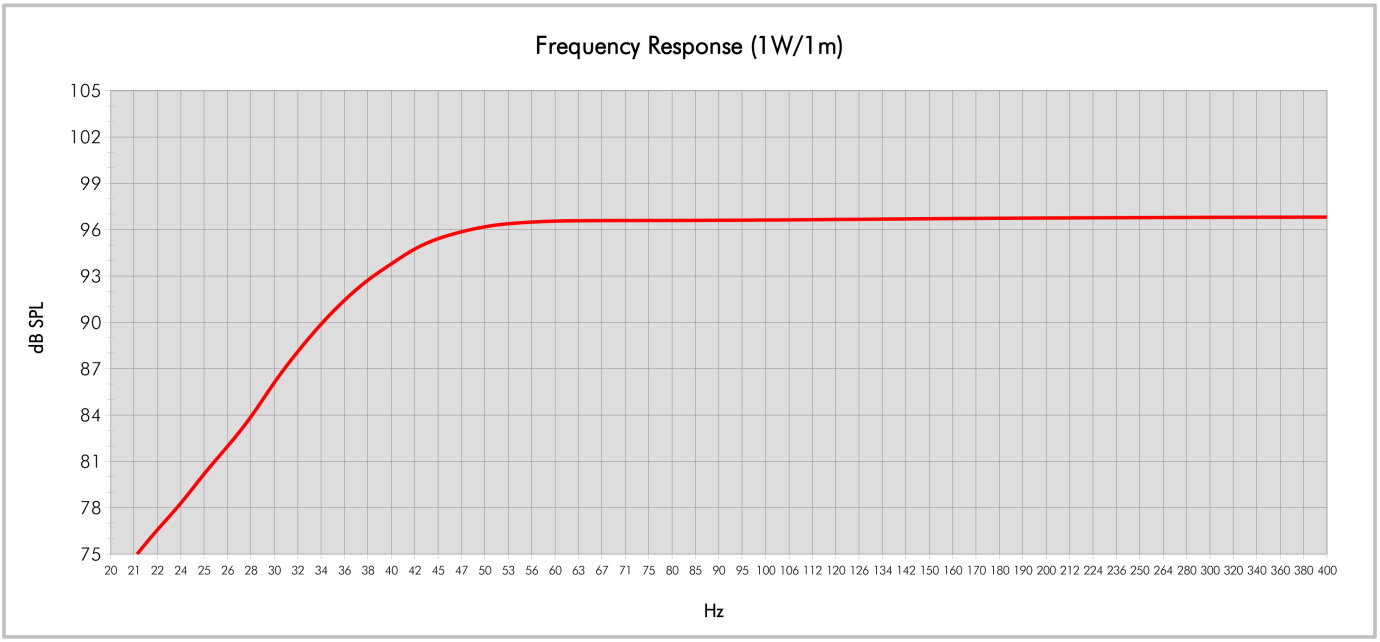

Model:	18PZW100		
Enclosure Type:	Bass Reflex	Configuration:	One Driver
Internal Net Volume (Litres):	150	QB:	7
Tuning Frequency (Hz):	40	Port Area (cm²):	339,0
Frequency (-3 dB) (Hz):	40,1	Port Length (cm):	24,3
Frequency (-10 dB) (Hz):	30,7		

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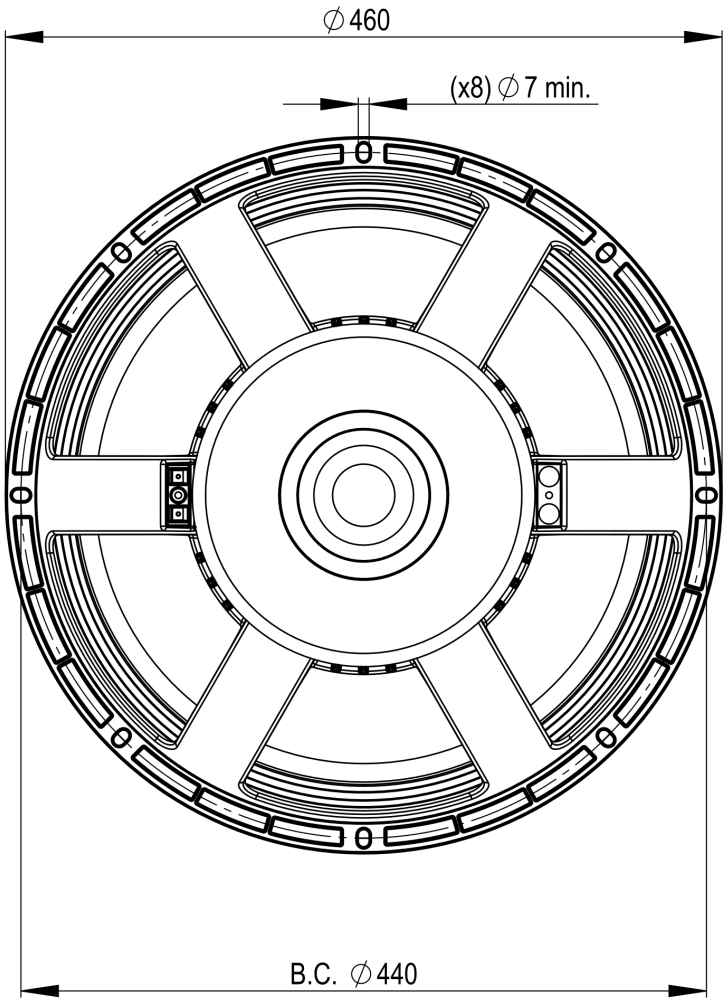

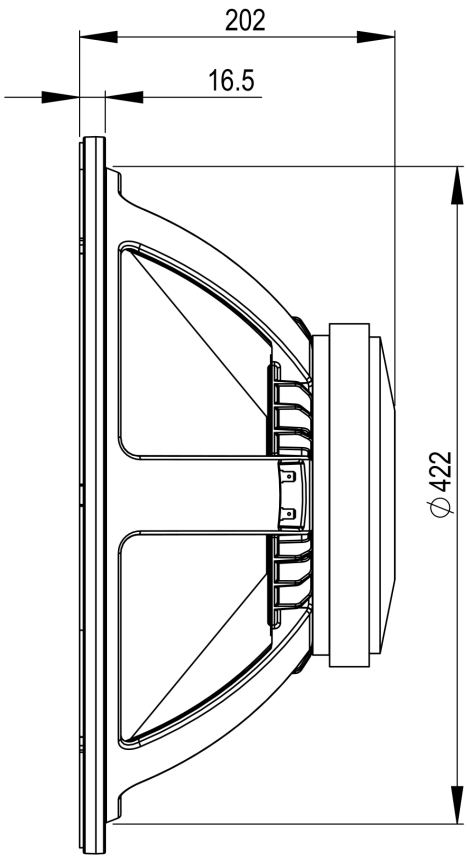

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