18NW100 8 Ω

Subwoofer

- 2400 W continuous program power capacity
- 100 mm (4 in) copper voice coil
- 35 - 1000 Hz response
- 98 dB sensitivity
- FEA optimized Neodymium magnet assembly
- Double silicone spider with optimized compliance
- Ventilated voice coil gap for reduced power compression





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Tel. +39 055 65721 | Fax +39 055 6572312 | mail@bcspeakers.com

18NW100 8 Ω

Subwoofer

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.	**1200 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**2400 W**
Sensitivity Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	**98 dB**
Frequency Range	**35 Hz - 1000 Hz**
Voice Coil Diameter	**100 mm (4 in)**
Winding Material	**Copper**
Former Material	**Glass Fibre**
Winding Depth	**25 mm (1 in)**
Magnetic Gap Depth	**12 mm (0.5 in)**
Flux Density	**1.2 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	**31 Hz**
Re	**5.1 Ω**
Qes	**0.27**
Qms	**4.2**
Qts	**0.26**
Vas	**252 dm³ (8.9 ft³)**
Sd	**1210 cm² (187.6 in²)**
η0	**2.7 %**
Xmax	**9 mm**
Xvar	**11 mm**
Mms	**211 g**
Bl	**28 Tm**
Le	**1.7 mH**
EBP	**115 Hz**

DESIGN

Surround Shape	**Triple Roll**
Cone Shape	**Radial**
Magnet Material	**Neodymium Inside Slug**
Spider	**Double Silicone**
Pole Design	**T-Pole**
Woofer Cone Treatment	**TWP Waterproof Both Sides**
Recommended Enclosure	**160 dm³ (5.65 ft³)**
Recommended Tuning	**37 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	**209 mm (8.2 in)**
Flange and Gasket Thickness	**16 mm (0.62 in)**
Air Volume Occupied by Driver	**8.5 dm³ (0.3 ft³)**
Net Weight	**9.05 kg (19.95 lb)**
Shipping Weight	**10.65 kg (23.48 lb)**
Shipping Box	**500x495x275 mm (19.69x19.49x10.83 in)**

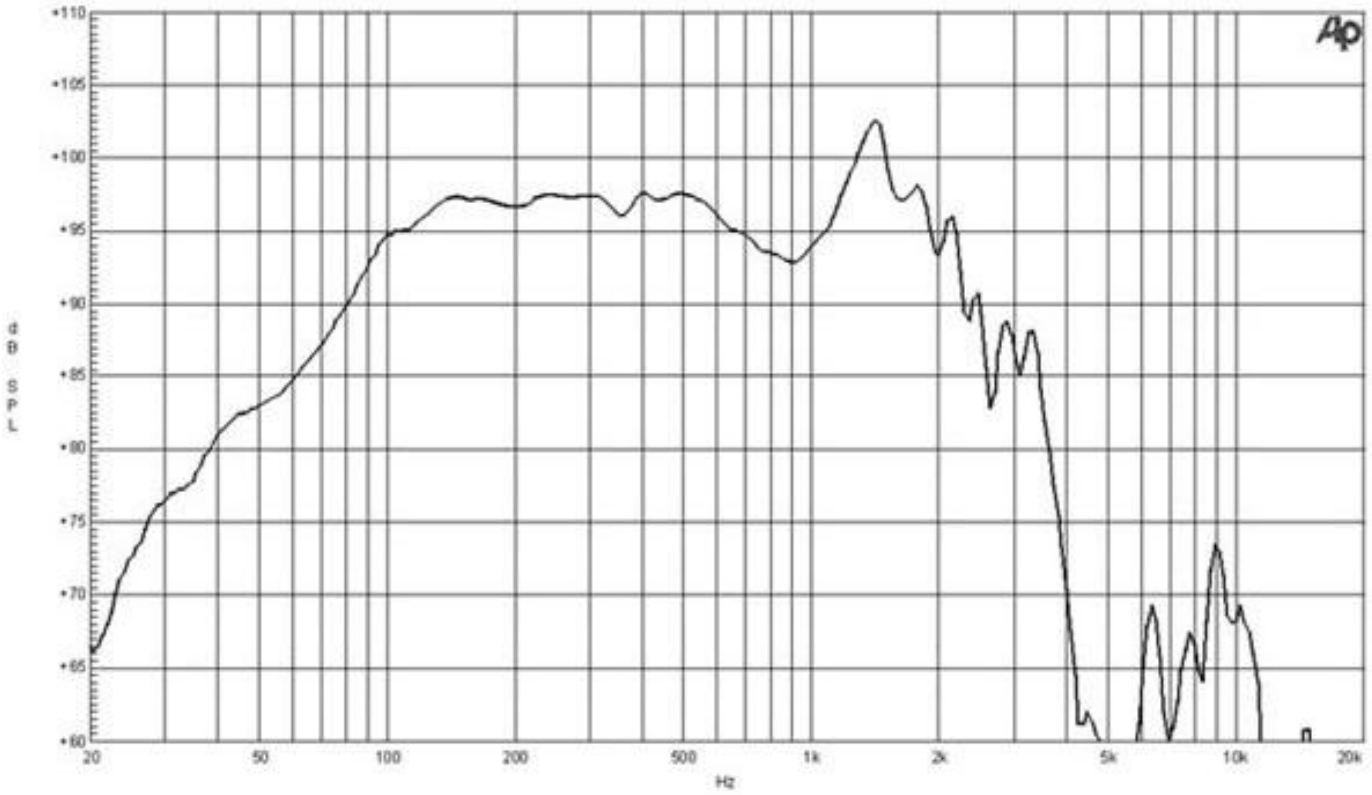
SERVICE KITS

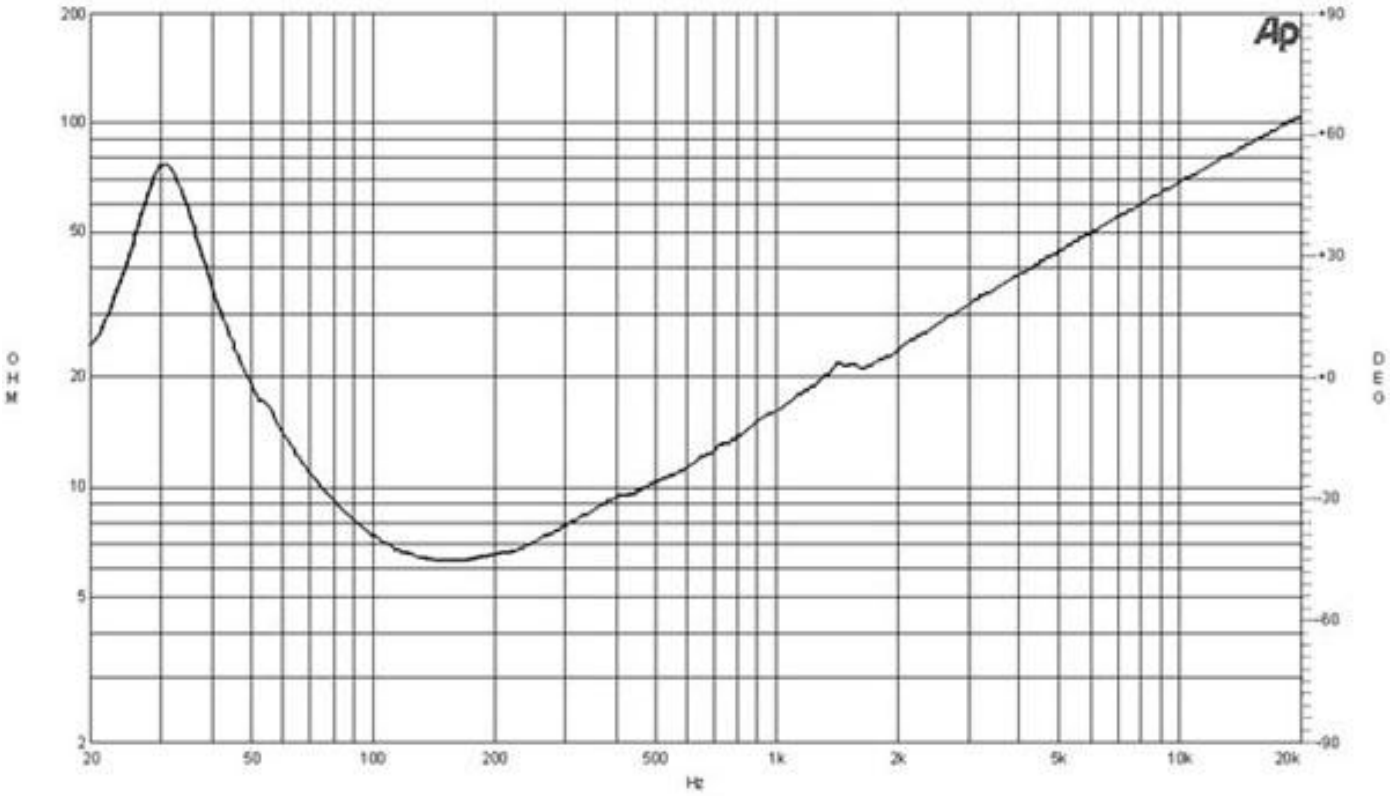
LF recone-kits	**RCK18NW1008**

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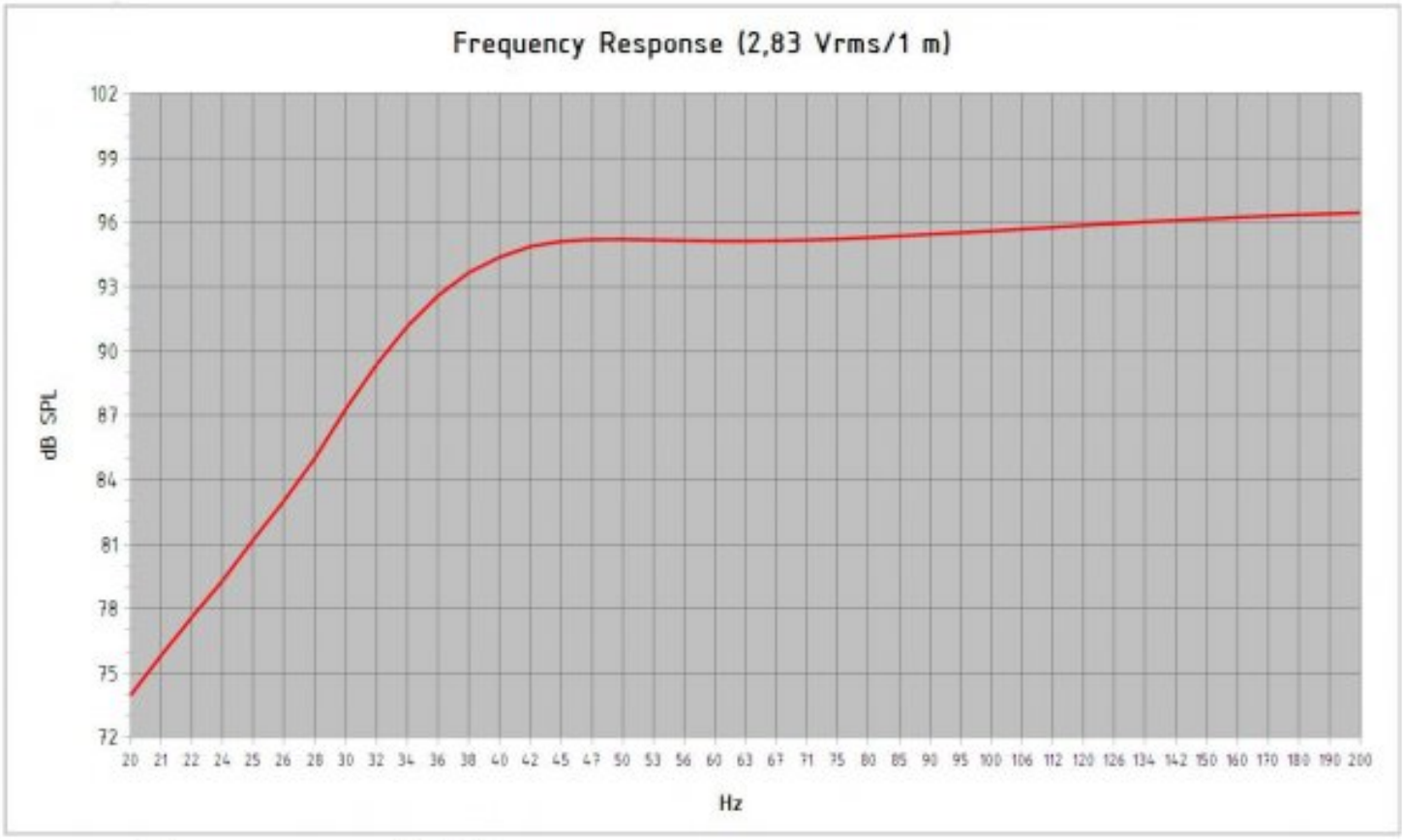




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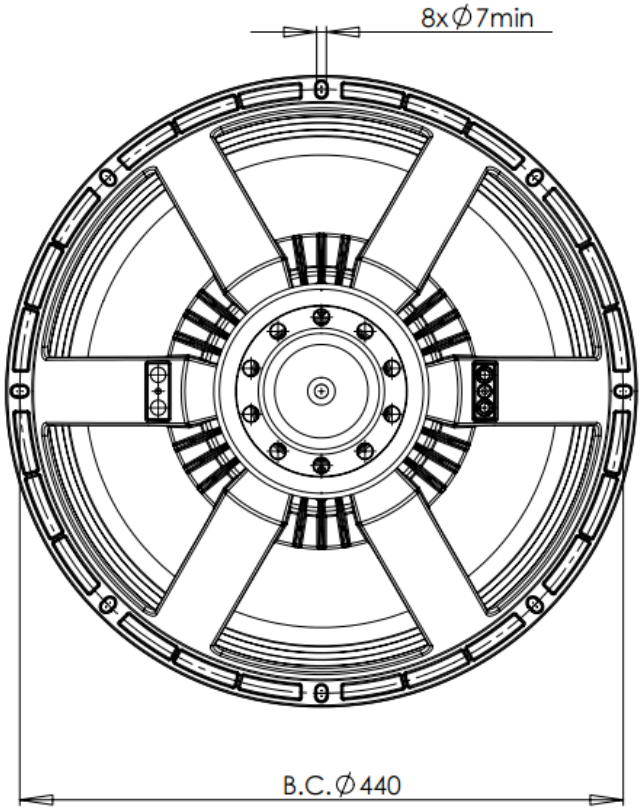


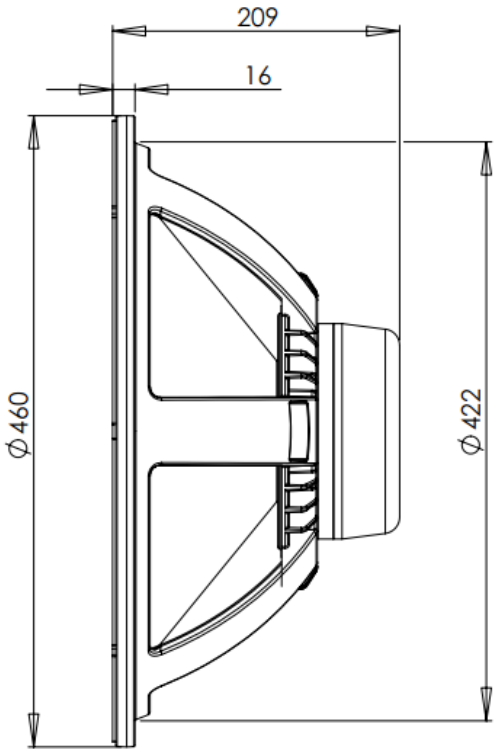
Model:	***18 NW 100***				
Enclosure Type:	***Bass Reflex***				
Internal Net Volume (Liters):	***160***				
Tuning Frequency (Hz):	***37***	*Port Area (cm²):*	***339,6***		
Frequency (-3 dB) (Hz):	***38,7***	*Port Length (cm):*	***28,5***		
Excursion Limited Maximum SPL at 1 meter (dB):	***123,2***	*equal to*	***542,8***	*Watts*	*(Bass Band Power Rating)*
Thermal Limited Maximum SPL at 1 meter (dB):	***126,7***	*equal to*	***1200,0***	*Watts*	*(Mid Band Power Rating)*

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