18SW100 8 Ω

Subwoofer

- 3000 W continuous program power capacity
- 100 mm (4 in) split winding copper voice coil
- 35 - 1000 Hz response
- 97 dB sensitivity
- Excursion optimized lead wires (woven through spider)
- Double silicone spider with optimized compliance
- Ventilated voice coil gap for reduced power compression
- Aluminium demodulating ring for very low distortion





B&C Speakers S.p.A. Via Poggiomoro, 1 - Loc. Vallina, 50012 Bagno a Ripoli (FI) | ITALY
Tel. +39 055 65721 | Fax +39 055 6572312 | mail@bcspeakers.com

18SW100 8 Ω

Subwoofer

SPECIFICATIONS

Nominal Diameter	**460 mm (18 in)**
Nominal Impedance	**8 Ω**
Minimum Impedance	**6.5 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.	**1500 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**3000 W**
Sensitivity Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	**97 dB**
Frequency Range	**35 Hz - 1000 Hz**
Voice Coil Diameter	**100 mm (4 in)**
Winding Material	**Copper**
Former Material	**Glass Fibre**
Winding Depth	**32 mm (1.26 in)**
Magnetic Gap Depth	**14 mm (0.55 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	**35 Hz**
Re	**5.3 Ω**
Qes	**0.4**
Qms	**5.9**
Qts	**0.38**
Vas	**180 dm³ (6.3 ft³)**
Sd	**1210 cm² (187.6 in²)**
η0	**1.9 %**
Xmax	**12.5 mm**
Xvar	**16 mm**
Mms	**234 g**
Bl	**26.1 Tm**
Le	**2.2 mH**
EBP	**88 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	**200 dm³ (7.06 ft³)**
Recommended Tuning	**33 Hz**

MOUNTING AND SHIPPING INFO

Overall Diameter	**460 mm (18 in)**
Bolt Circle Diameter	**443 mm (17.44 in)**
Baffle Cutout Diameter	**425 mm (16.73 in)**
Depth	**239 mm (9.41 in)**
Flange and Gasket Thickness	**16 mm (0.63 in)**
Air Volume Occupied by Driver	**10 dm³ (0.35 ft³)**
Net Weight	**10.5 kg (23.15 lb)**
Shipping Units	**1 pcs**
Shipping Weight	**12.3 kg (27.12 lb)**
Shipping Box	**500x500x300 mm (19.69x19.69x11.81 in)**

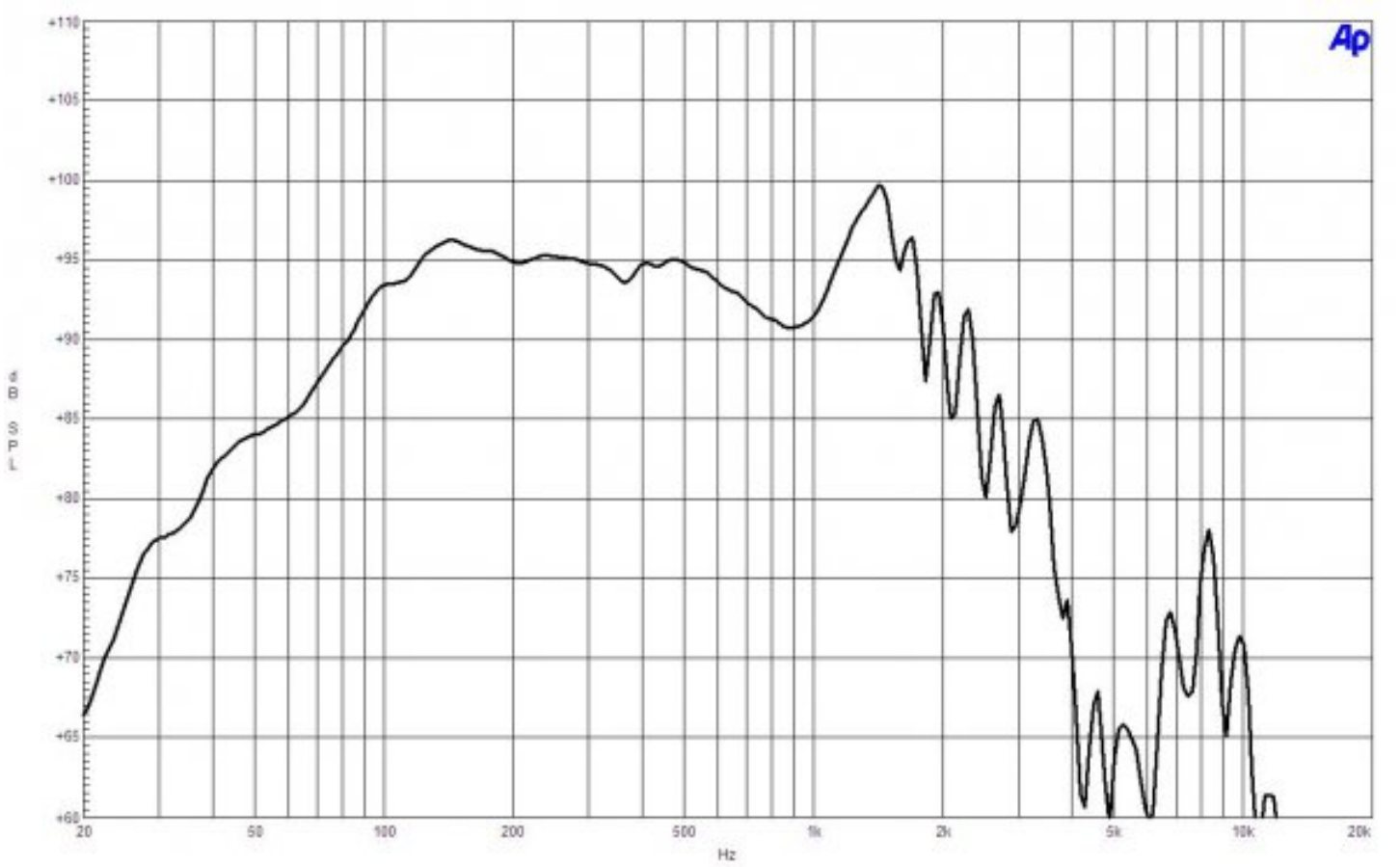
SERVICE KITS

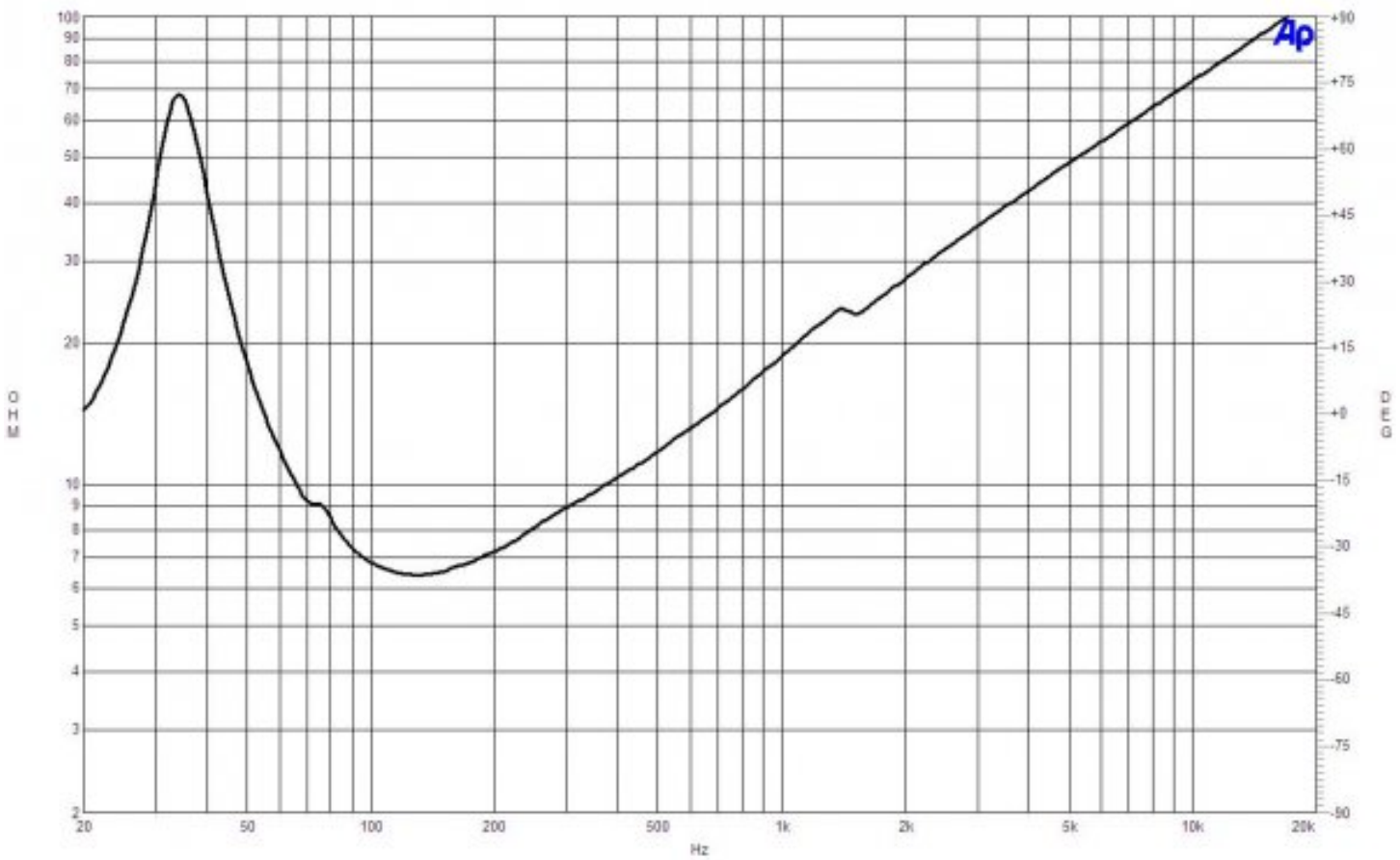
LF recone-kits	**RCK18SW1008**

B&C Speakers S.p.A. Via Poggiomoro, 1 - Loc. Vallina, 50012 Bagno a Ripoli (FI) | ITALY
Tel. +39 055 65721 | Fax +39 055 6572312 | mail@bcspeakers.com

18SW100 8 Ω

Subwoofer

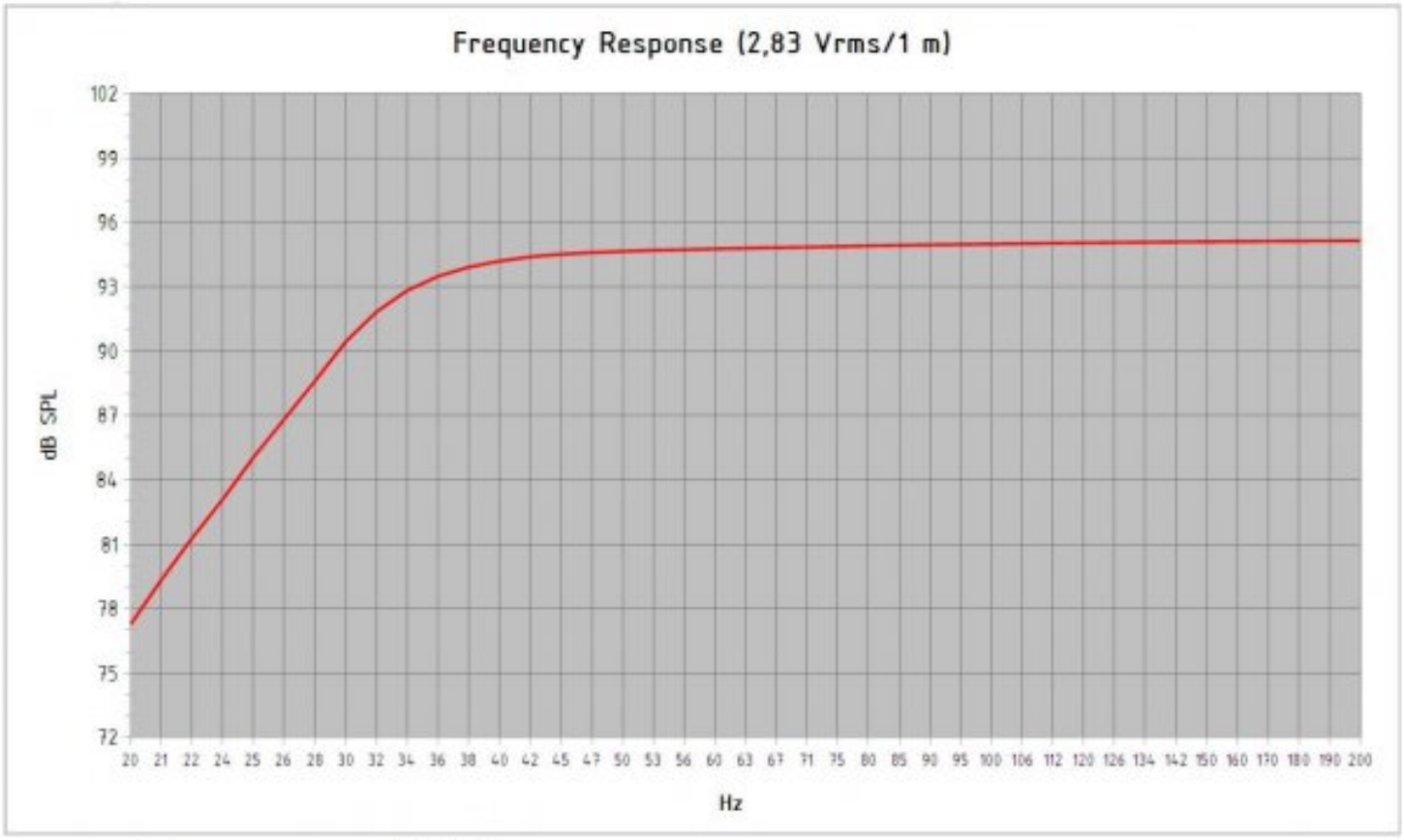




B&C Speakers S.p.A. Via Poggiomoro, 1 - Loc. Vallina, 50012 Bagno a Ripoli (FI) | ITALY
Tel. +39 055 65721 | Fax +39 055 6572312 | mail@bcspeakers.com

18SW100 8 Ω

Subwoofer



Model:	***18 SW 100***				
Enclosure Type:	***Bass Reflex***				
Internal Net Volume (Liters):	***200***				
Tuning Frequency (Hz):	***33***	*Port Area (cm²):*	***339,6***		
Frequency (-3 dB) (Hz):	***32,7***	*Port Length (cm):*	***28,7***		
Excursion Limited Maximum SPL at 1 meter (dB):	***123,6***	*equal to*	***844,5***	*Watts*	*(Bass Band Power Rating)*
Thermal Limited Maximum SPL at 1 meter (dB):	***126,1***	*equal to*	***1500,0***	*Watts*	*(Mid Band Power Rating)*

B&C Speakers S.p.A. Via Poggiomoro, 1 - Loc. Vallina, 50012 Bagno a Ripoli (FI) | ITALY
Tel. +39 055 65721 | Fax +39 055 6572312 | mail@bcspeakers.com

18SW100 8 Ω

Subwoofer

