

18NBX100 4 Ω

Woofer

- 2400 W continuous program power capacity
- 100 mm (4 in) copper voice coil
- 35 - 1000 Hz response
- 96 dB sensitivity
- Double silicone spider with optimized compliance
- Ventilated voice coil gap for reduced power compression
- Aluminium demodulating ring for very low distortion



18NBX100 4 Ω

Woofer

SPECIFICATIONS

Nominal Diameter	460 mm (18 in)
Nominal Impedance	4 Ω
Minimum Impedance	4.4 Ω
Nominal Power Handling	1200 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	2400 W
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	96 dB
Applied RMS Voltage is set to 2V for 4 ohms Nominal Impedance.	
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	11 mm (0.43 in)
Flux Density	1.1 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	35 Hz
Re	3.6 Ω
Qes	0.39
Qms	7
Qts	0.37
Vas	192 dm³ (6.78 ft³)
Sd	1210 cm² (187.55 in²)
η0	2.02 %
Xmax	10 mm
Xvar	12 mm
Mms	225 g
Bl	22 Tm
Le	1.74 mH
EBP	90 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 (7.1 ft³)
Recommended Tuning	35 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	208 mm (8.19 in)
Flange and Gasket Thickness	14 mm (0.55 in)
Air Volume Occupied by Driver	8.5 dm³ (0.3 ft³)
Net Weight	9.05 kg (19.95 lb)
Shipping Units	1 pcs
Shipping Weight	11.65 kg (25.68 lb)
Shipping Box	500x495x275 mm (19.69x19.49x10.83 in)

SERVICE KITS

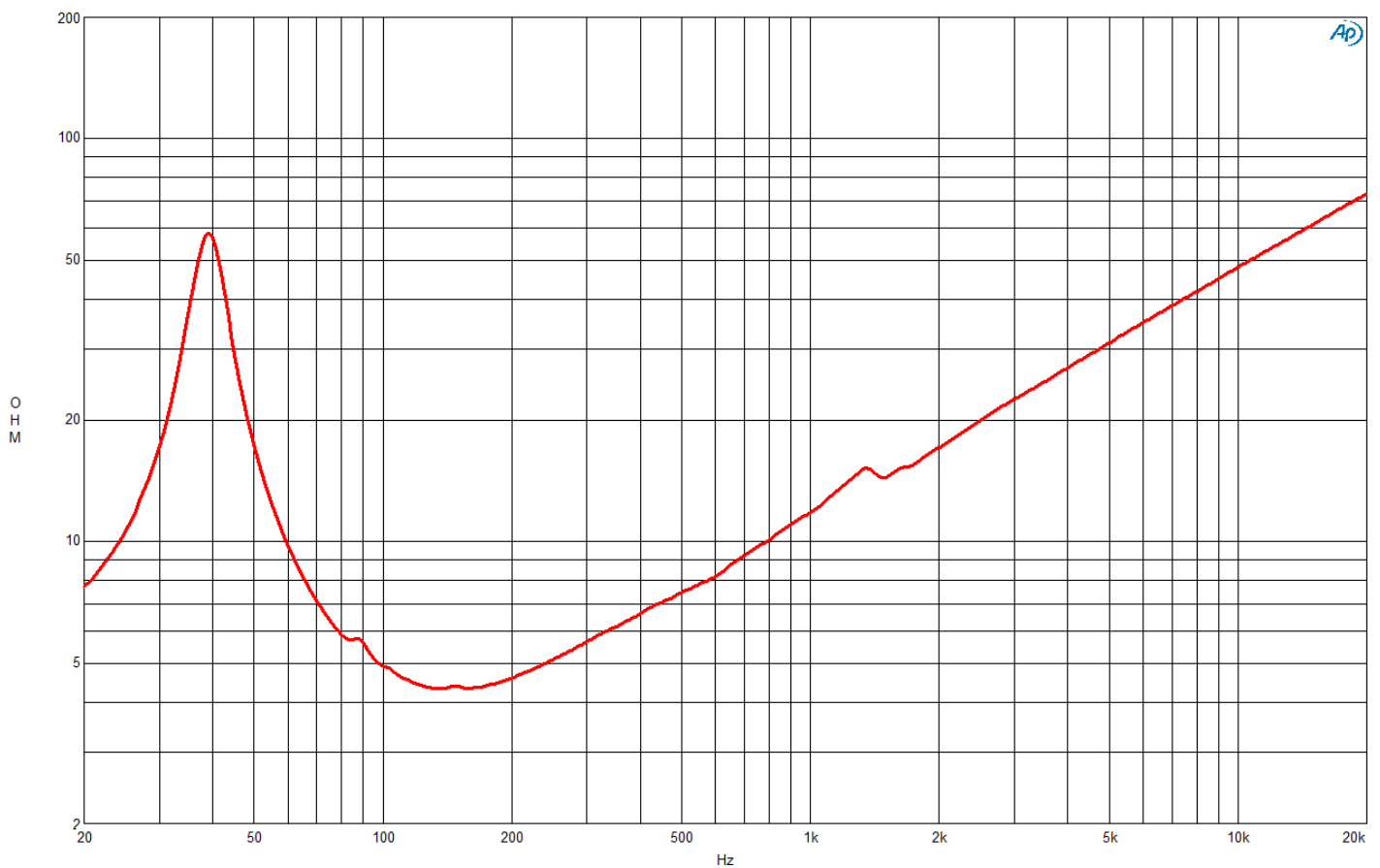
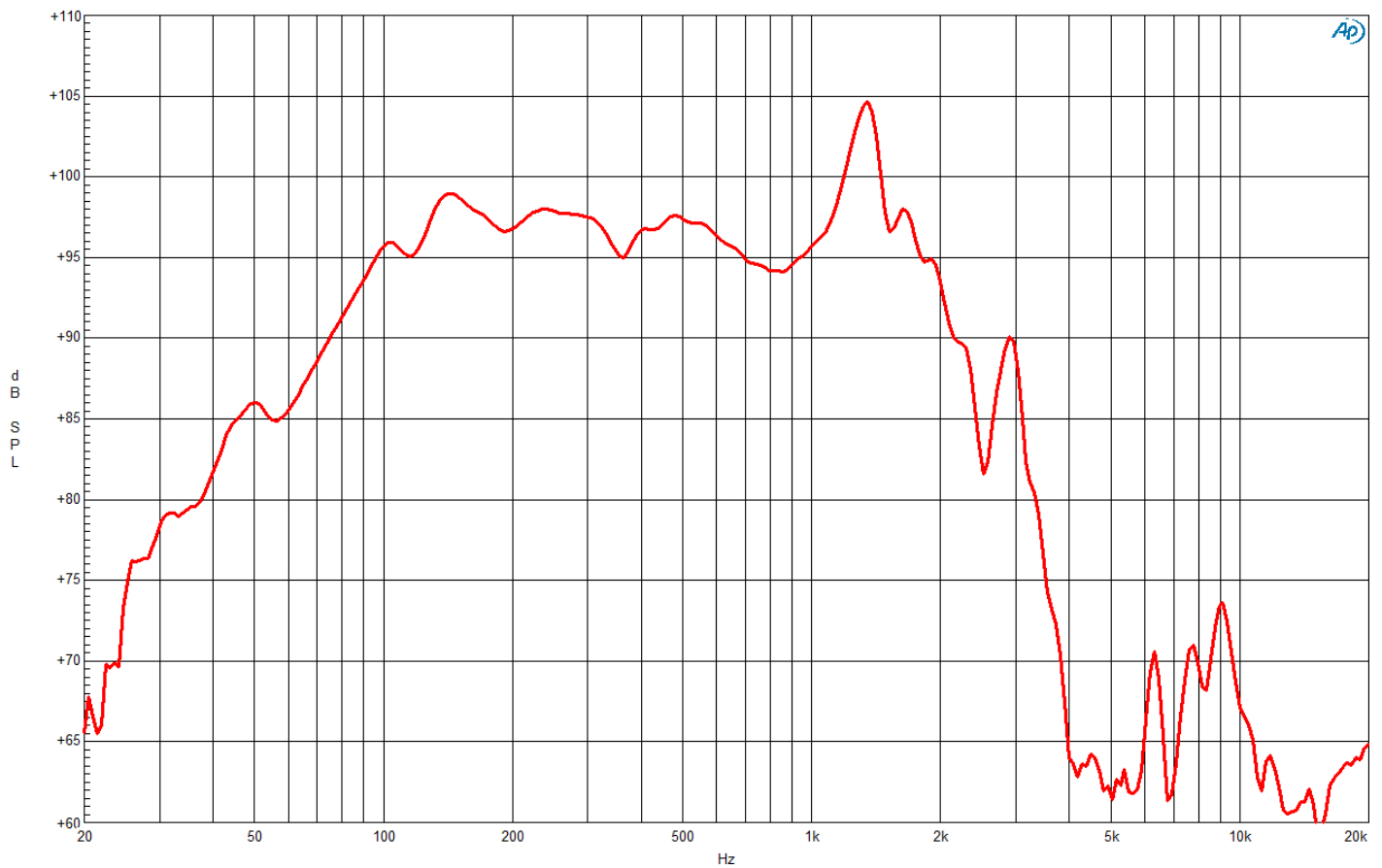
LF recone-kits	RCK18NBX1004
----------------	---------------------

LF Drivers

Ø 18 inches

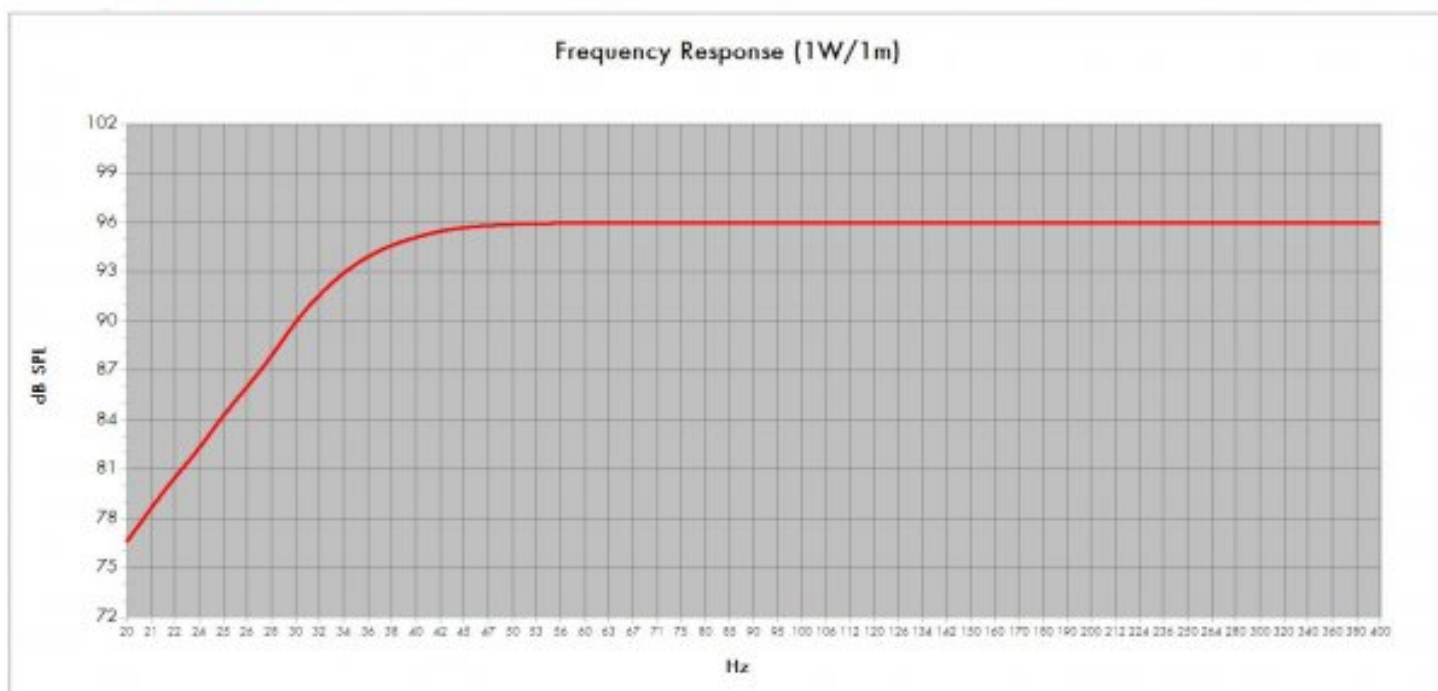
18NBX100 4 Ω

Woofer



Professional loudspeaker transducers since 1946

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



Model:	18NBX100	Configuration:	One Driver
Enclosure Type:	Bass Reflex		
Internal Net Volume [Litres]:	200	QB:	7
Tuning Frequency [Hz]:	35	Port Area [cm ²]:	333,5
Frequency [-3 dB] [Hz]:	34,2	Port Length [cm]:	22,9

