

12NBX100 8 Ω

Woofer

- 2000 W continuous program power capacity
- 100 mm (4 in) copper voice coil
- 40 - 1500 Hz response
- 96 dB sensitivity
- Excursion optimized lead wires (woven through spider)
- Aluminium demodulating ring allows a very low distortion figure
- Double silicone spider with optimized compliance
- Ventilated voice coil gap for reduced power compression



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SPECIFICATIONS

Nominal Diameter	320 mm (12 in)
Nominal Impedance	8 Ω
Minimum Impedance	6.5 Ω
Nominal Power Handling	1000 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	2000 W
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	96 dB
Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	
Frequency Range	40 Hz - 1500 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	41 Hz
Re	5.1 Ω
Qes	0.24
Qms	3.9
Qts	0.22
Vas	51 dm³ (1.8 ft³)
Sd	531 cm² (82 in²)
η ₀	1.45 %
X _{max}	10 mm
X _{var}	10 mm
M _{ms}	117 g
Bl	25.6 Tm
Le	1.9 mH
EBP	171 Hz

DESIGN

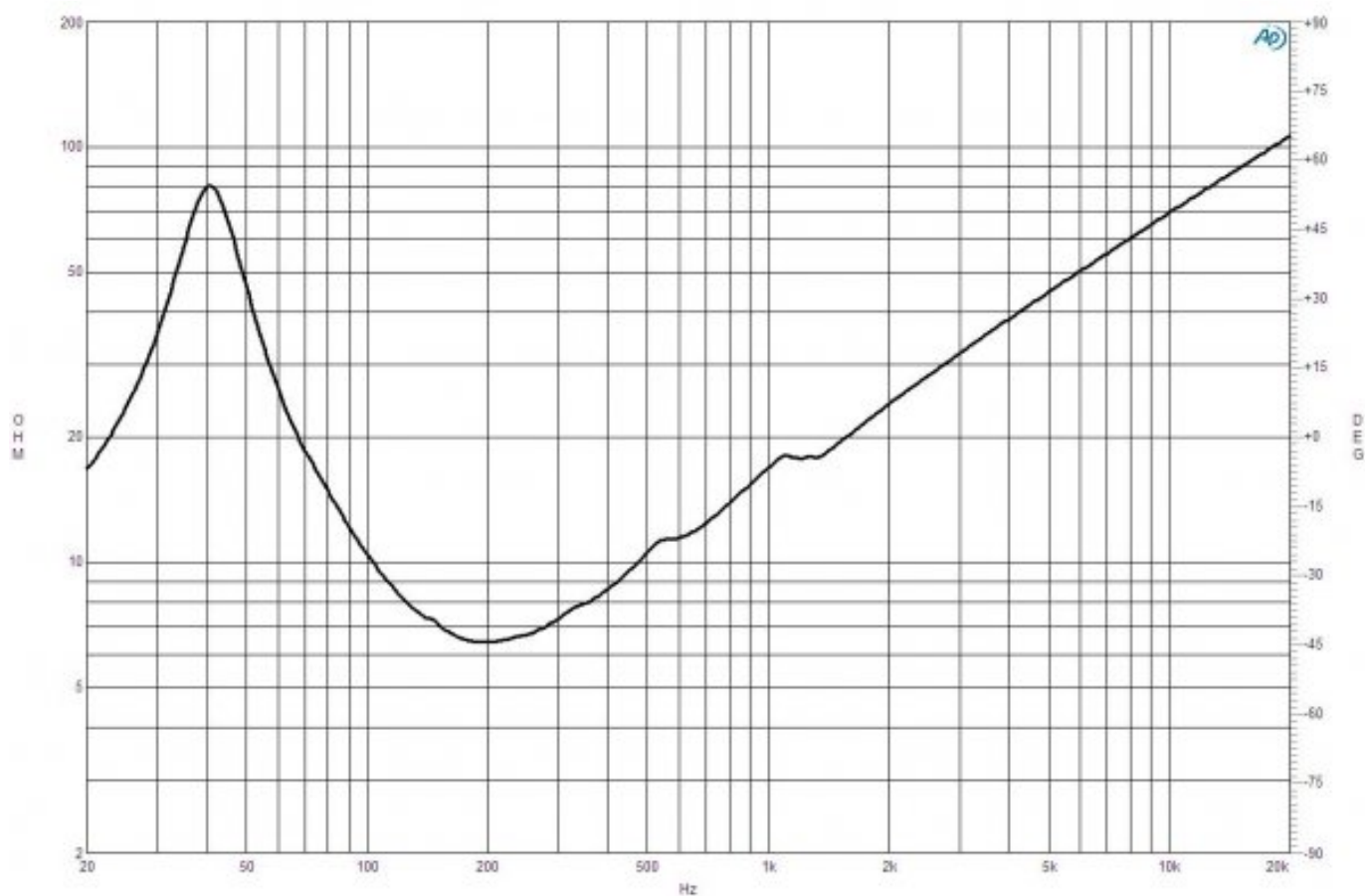
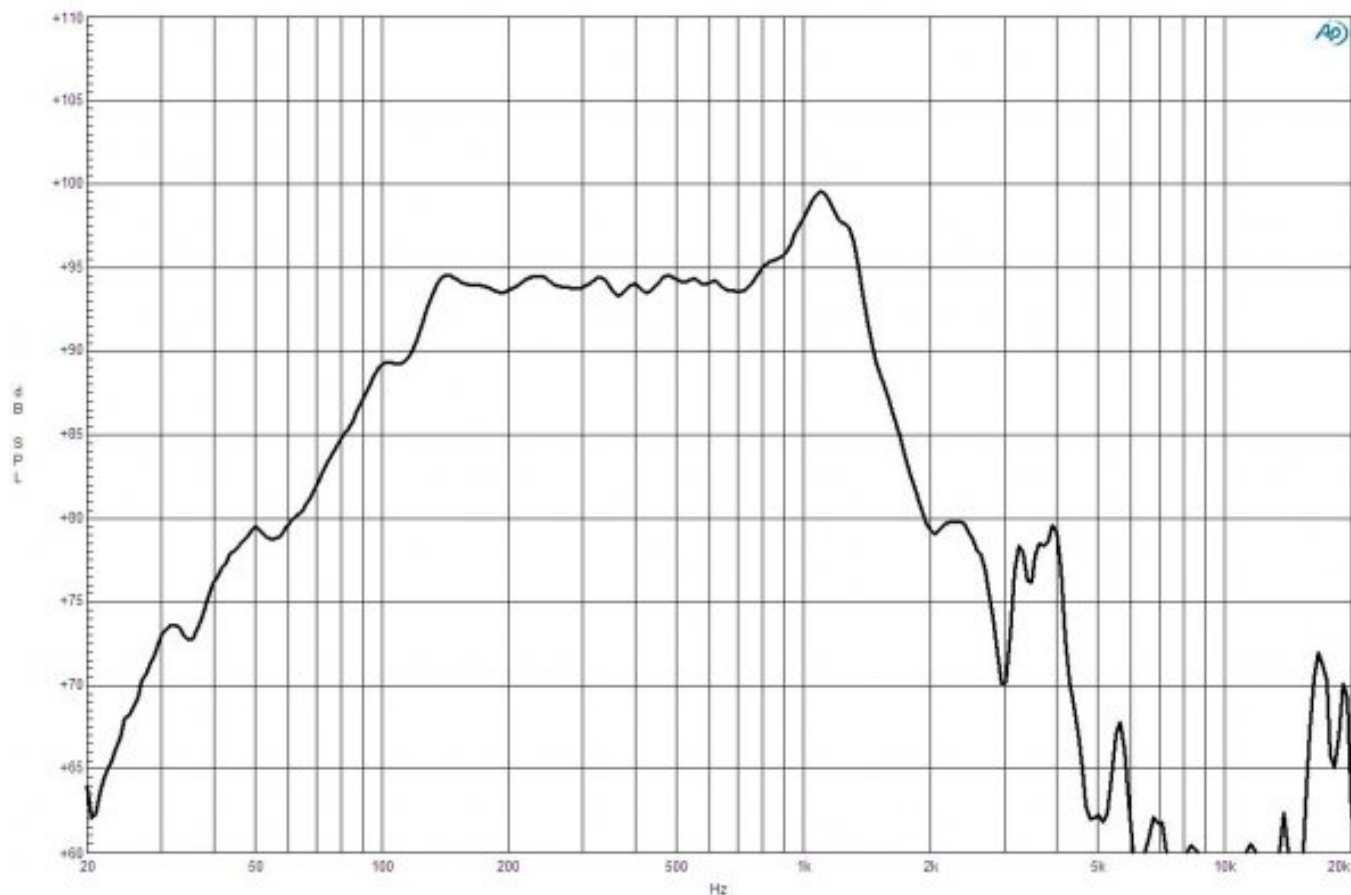
Surround Shape	Triple Roll
Cone Shape	Exponential
Magnet Material	Neodymium Inside Slug
Spider	Double Silicone
Pole Design	T-Pole
Woofer Cone Treatment	TWP Waterproof Both Sides
Recommended Enclosure	40 dm³ (1.41 ft³)
Recommended Tuning	50 Hz

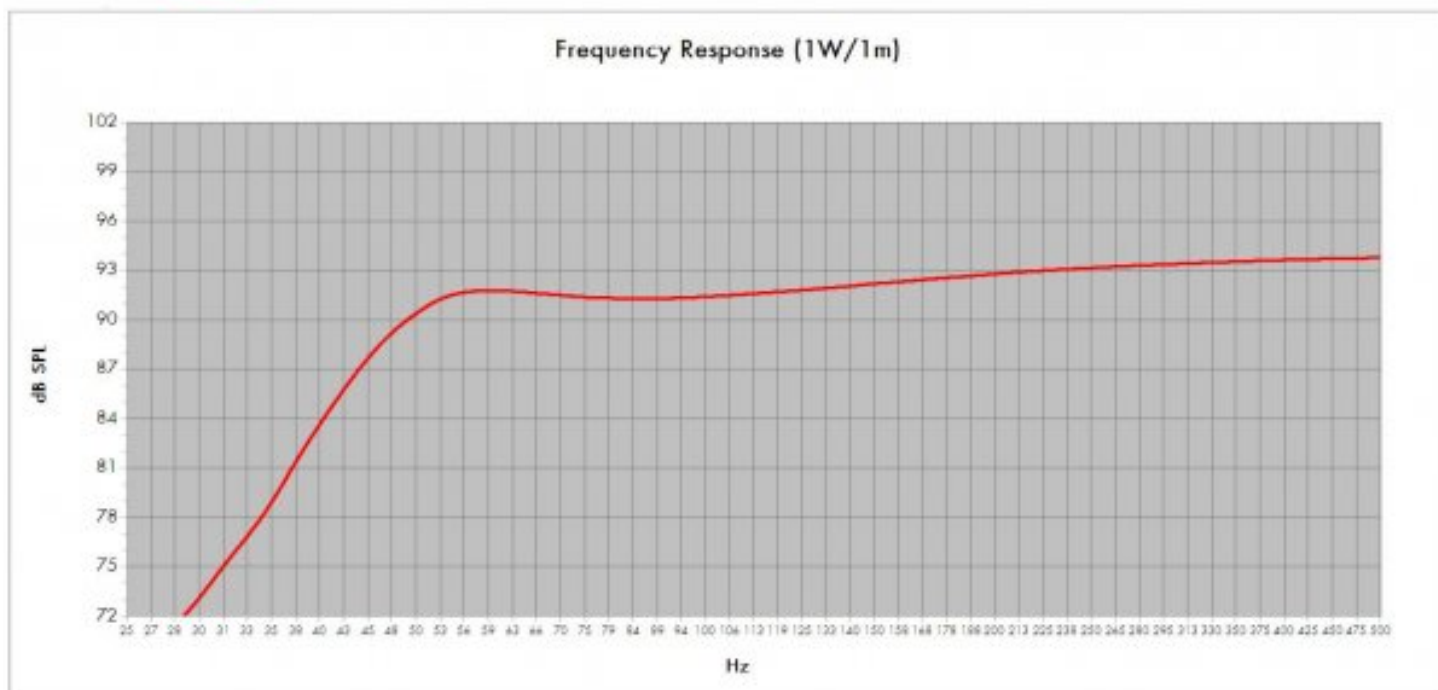
MOUNTING AND SHIPPING INFO

Overall Diameter	320 mm (12.6 in)
Bolt Circle Diameter	300 mm (11.8 in)
Baffle Cutout Diameter	280 mm (11 in)
Depth	143 mm (5.63 in)
Flange and Gasket Thickness	12 mm (0.47 in)
Air Volume Occupied by Driver	4 dm³ (0.14 ft³)
Net Weight	8.25 kg (18.19 lb)
Shipping Units	1 pcs
Shipping Weight	9.15 kg (20.17 lb)
Shipping Box	360x360x200 mm (14.17x14.17x7.87 in)

SERVICE KITS

LF recone-kits	RCK12NBX1008
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Model:	12NBX100		
Enclosure Type:	Bass Reflex	Configuration:	One Driver
Internal Net Volume [Litres]:	40	Q8:	5
Tuning Frequency (Hz):	50	Port Area [cm²]:	138,7
Frequency [-3 dB] (Hz):	52,2	Port Length [cm]:	30,2
Excursion Limited Maximum SPL at 1 meter (dB):	120,4	equal to:	543,8 Watts (Bass Band Power Rating)
Thermal Limited Maximum SPL at 1 meter (dB):	124,0	equal to:	1000,0 Watts (Mid Band Power Rating)

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