12NW100 8 Ω

Subwoofer

- 2000 W continuous program power capacity
- 100 mm (4 in) copper voice coil
- 45 - 1500 Hz response
- 96 dB sensitivity
- Excursion optimized lead wires (woven through spider)
- FEA optimized Neodymium magnet assembly
- 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	**6.2 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.	**96 dB**
Frequency Range	**45 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	**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	**42 Hz**
Re	**5.1 Ω**
Qes	**0.21**
Qms	**3.6**
Qts	**0.2**
Vas	**44 dm³ (1.5 ft³)**
Sd	**531 cm² (82.3 in²)**
η0	**1.7 %**
Xmax	**9 mm**
Xvar	**10 mm**
Mms	**119 g**
Bl	**28 Tm**
Le	**1.9 mH**
EBP	**200 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	**50 dm³ (1.77 ft³)**
Recommended Tuning	**50 Hz**

MOUNTING AND SHIPPING INFO

Overall Diameter	**319 mm (12.5 in)**
Bolt Circle Diameter	**299 mm (11.8 in)**
Baffle Cutout Diameter	**281 mm (11.1 in)**
Depth	**137 mm (5.4 in)**
Flange and Gasket Thickness	**13 mm (0.5 in)**
Air Volume Occupied by Driver	**2.7 dm³ (0.09 ft³)**
Net Weight	**8.2 kg (18 lb)**
Shipping Units	**1 pcs**
Shipping Weight	**9.1 kg (20.06 lb)**
Shipping Box	**360x360x200 mm (14.17x14.17x7.87 in)**

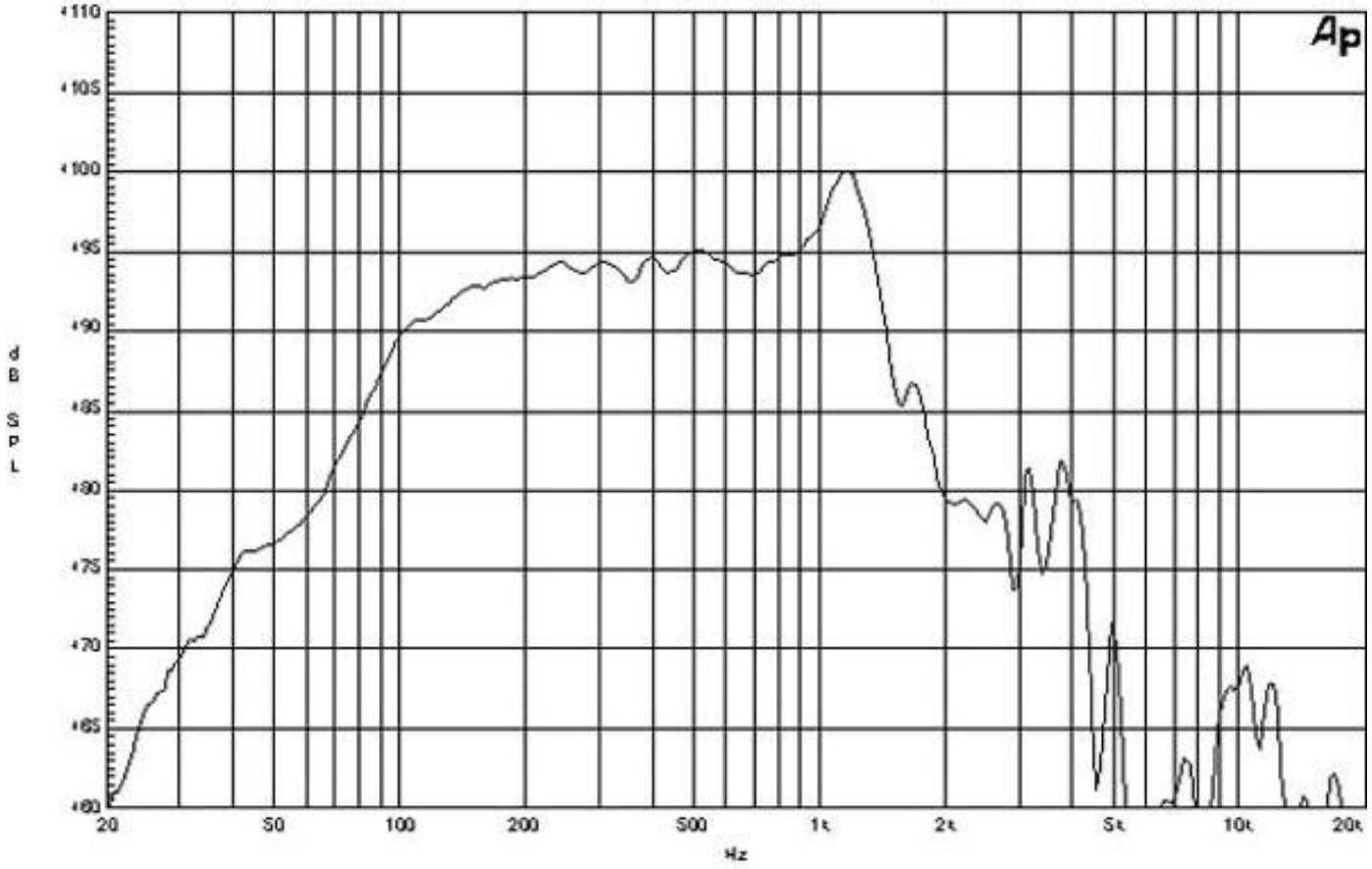
SERVICE KITS

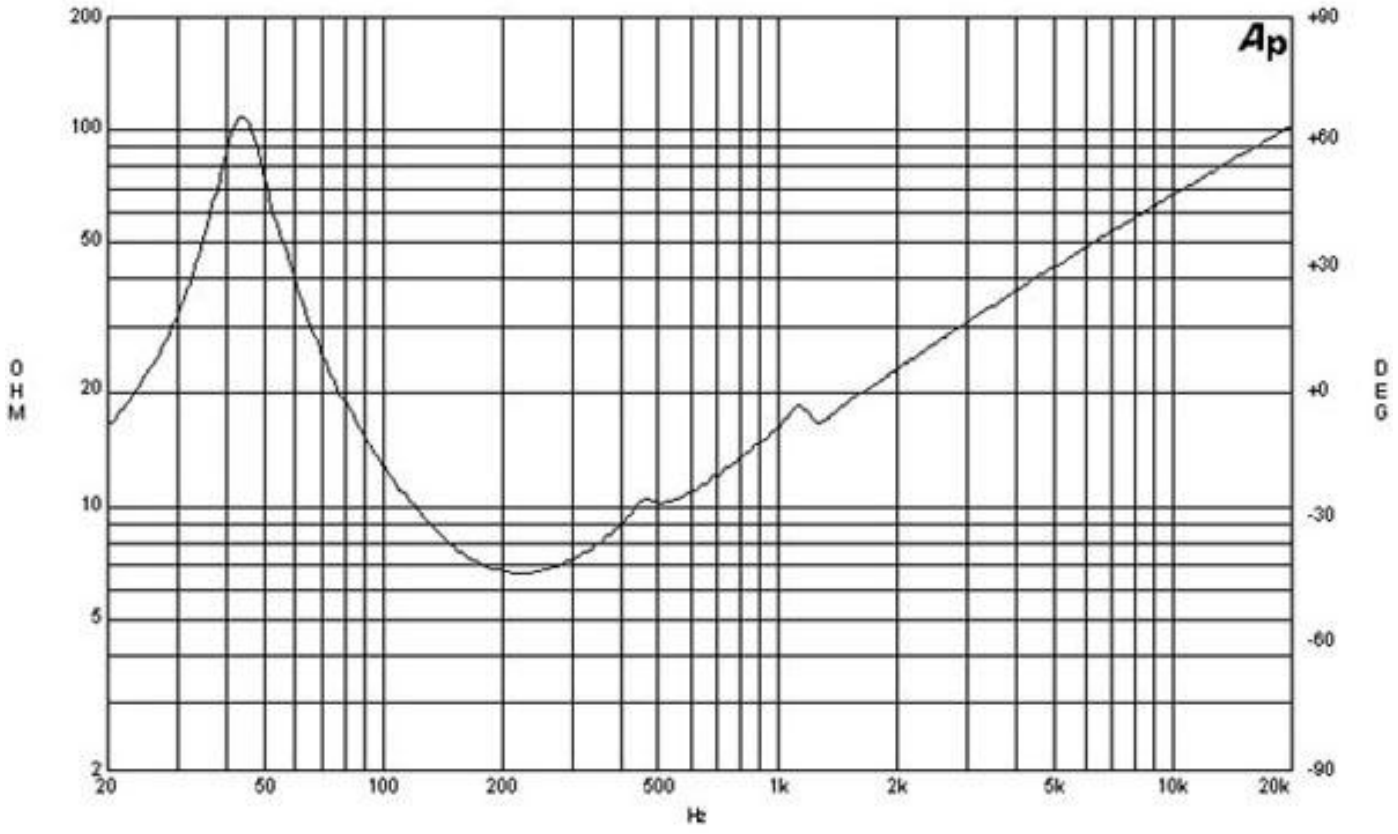
LF recone-kits	**RCK12NW1008**

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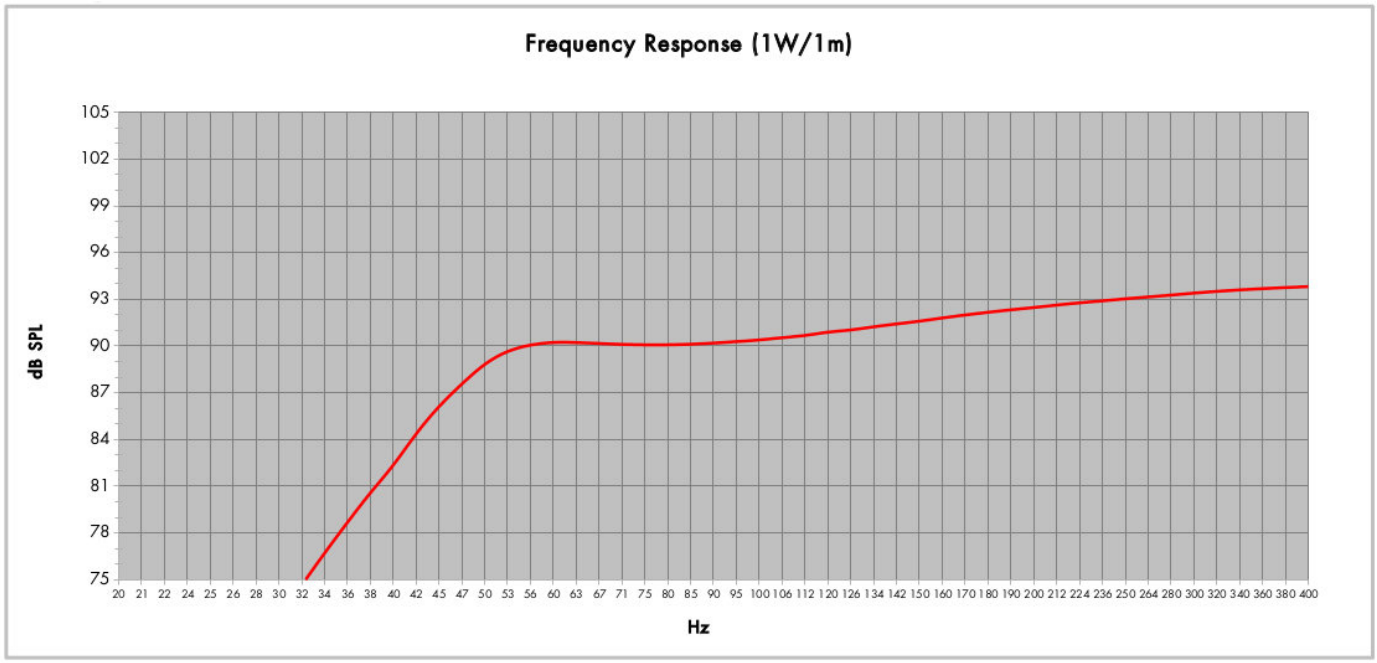




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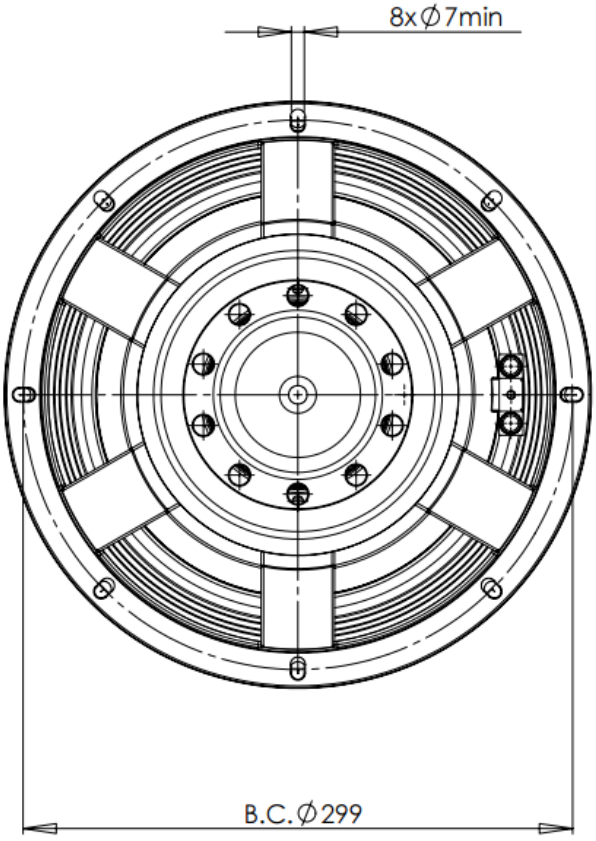


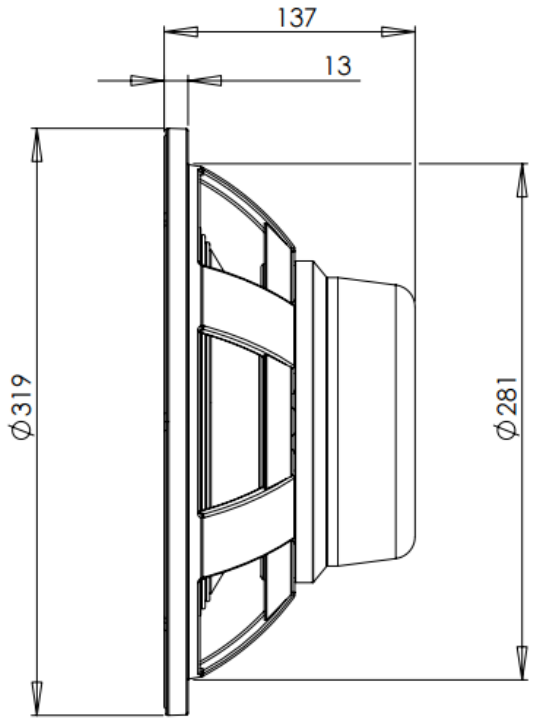
Model:	**12NW100**		
Enclosure Type:	**Bass Reflex**	Configuration:	**One Driver**
Internal Net Volume (Litres):	**50**	QB:	**3**
Tuning Frequency (Hz):	**50**	Port Area (cm²):	**208,1**
Frequency (-3 dB) (Hz):	**143,8**	Port Length (cm):	**35,9**

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