12PS100 8 Ω

Subwoofer

- 1400 W continuous program power capacity
- 100 mm (4 in) copper voice coil
- 45 - 1000 Hz response
- 93 dB sensitivity
- Double silicone spider with optimized compliance





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SPECIFICATIONS

Nominal Diameter	**320 mm (12 in)**
Nominal Impedance	**8 Ω**
Minimum Impedance	**6.7 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.	**700 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**1400 W**
Sensitivity Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	**93 dB**
Frequency Range	**45 Hz - 1000 Hz**
Voice Coil Diameter	**100 mm (4 in)**
Winding Material	**Copper**
Former Material	**Glass Fibre**
Winding Depth	**21 mm (0.83 in)**
Magnetic Gap Depth	**11 mm (0.4 in)**
Flux Density	**1.05 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	**44 Hz**
Re	**5.3 Ω**
Qes	**0.29**
Qms	**3.9**
Qts	**0.27**
Vas	**47 dm³ (1.6 ft³)**
Sd	**531 cm² (82.3 in²)**
η0	**1.3 %**
Xmax	**8 mm**
Xvar	**8 mm**
Mms	**106 g**
Bl	**22.5 Tm**
Le	**2 mH**
EBP	**152 Hz**

DESIGN

Surround Shape	**Triple Roll**
Cone Shape	**Radial**
Magnet Material	**Ferrite**
Spider	**Double Silicone**
Pole Design	**T-Pole**
Woofer Cone Treatment	**TWP Waterproof Both Sides**
Recommended Enclosure	**40 dm³ (1.41 ft³)**
Recommended Tuning	**48 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	**118 mm (4.6 in)**
Flange and Gasket Thickness	**13 mm (0.5 in)**
Air Volume Occupied by Driver	**3.5 dm³ (0.12 ft³)**
Net Weight	**8.8 kg (19.4 lb)**
Shipping Units	**1 pcs**
Shipping Weight	**9.7 kg (21.38 lb)**
Shipping Box	**360x360x200 mm (14.17x14.17x7.87 in)**

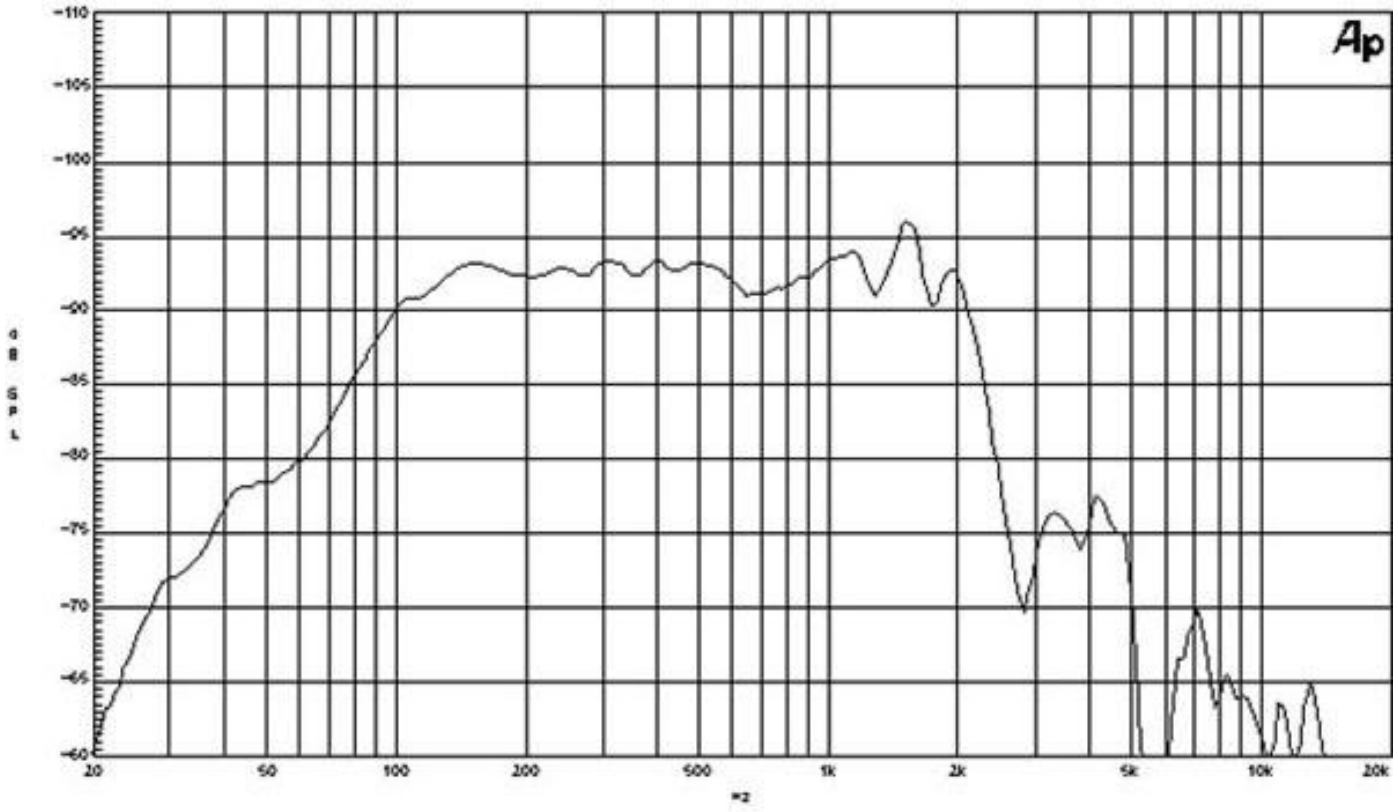
SERVICE KITS

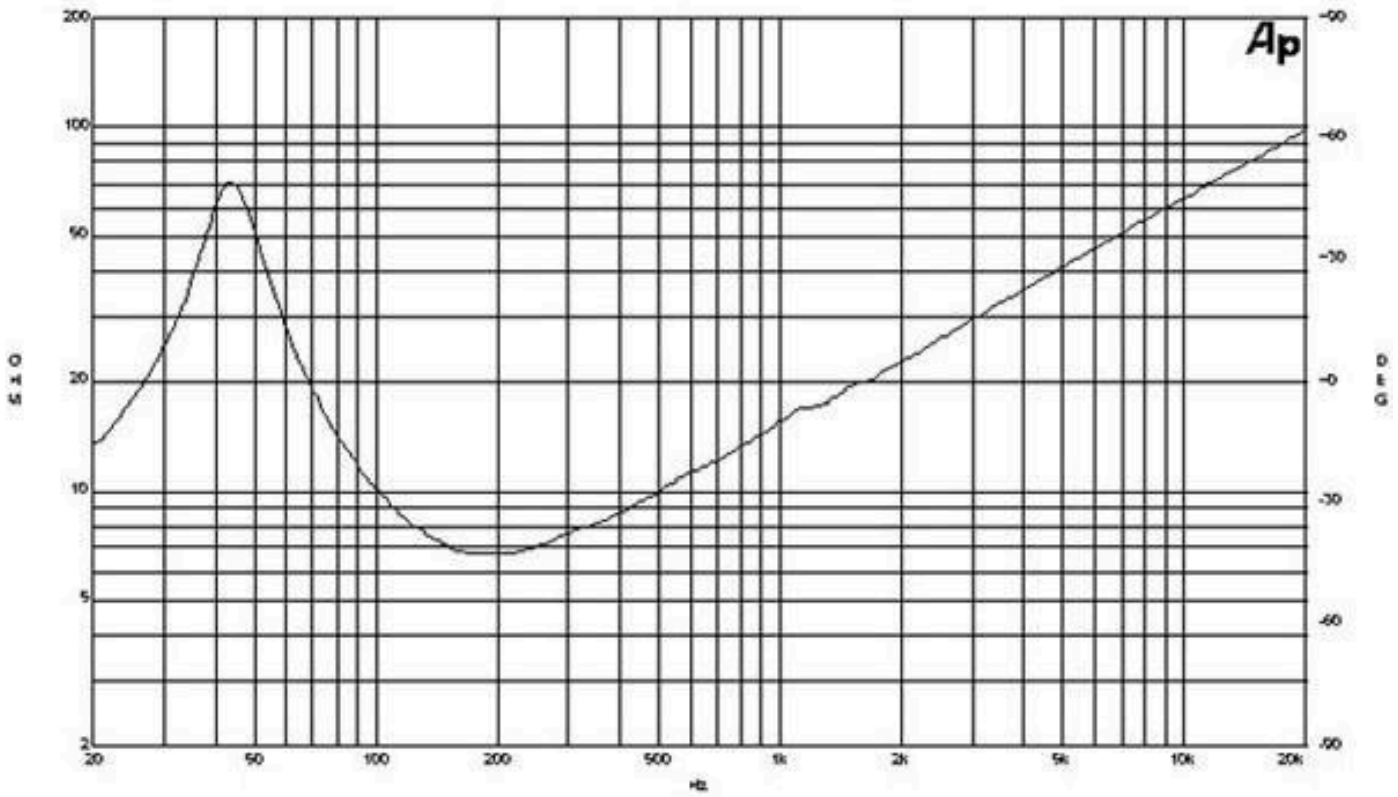
LF recone-kits	**RCK12PS1008**

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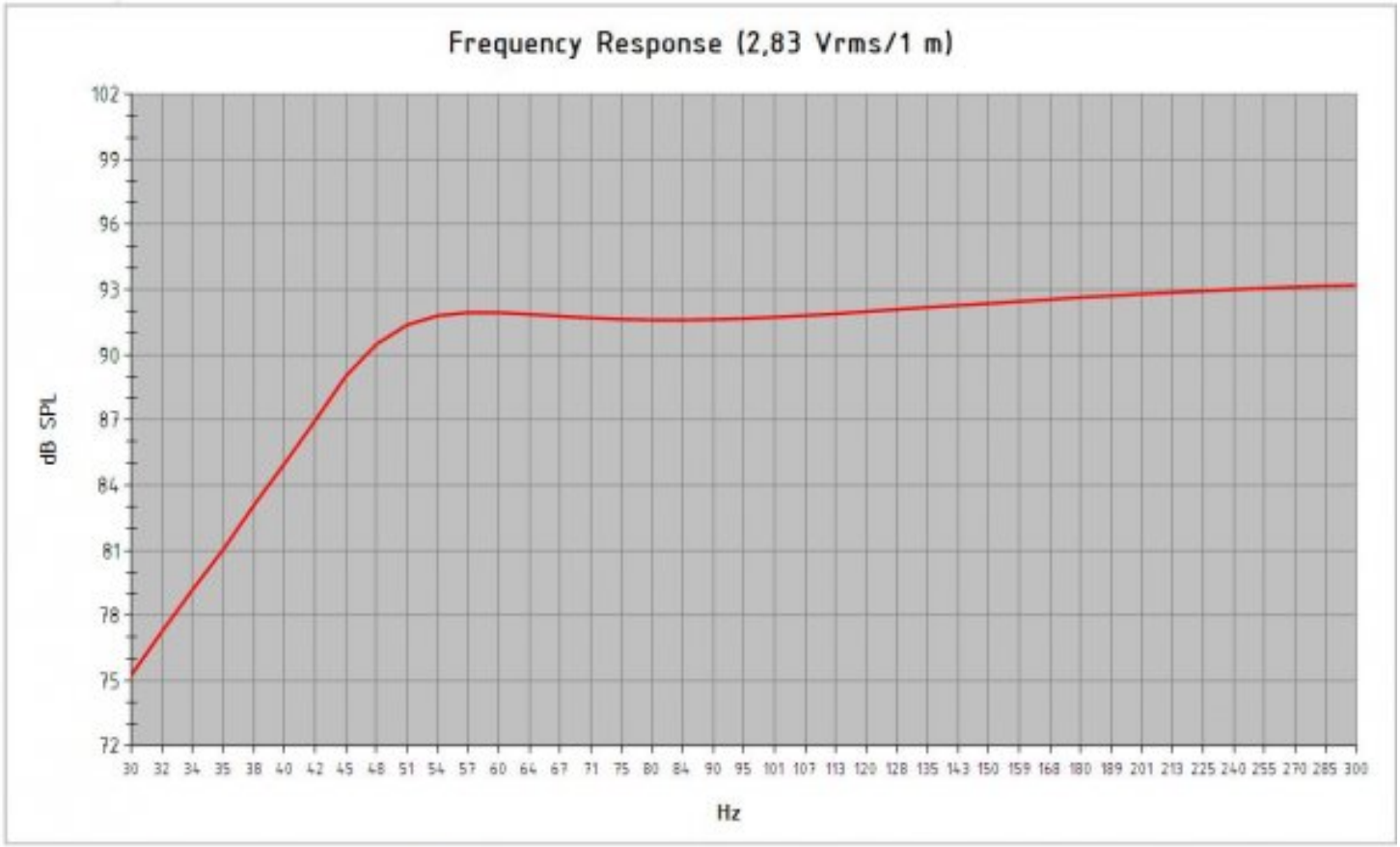
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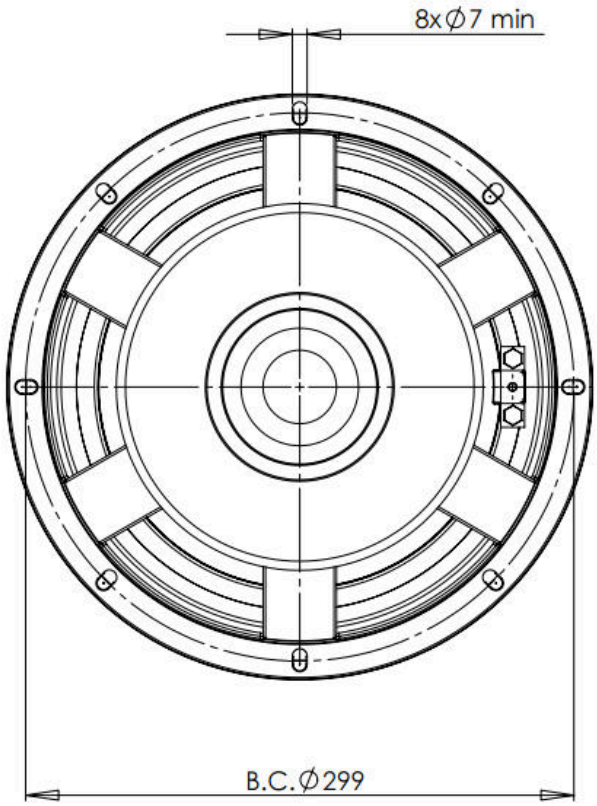
Model:	***12 PS 100***		
Enclosure Type:	***Bass Reflex***		
Internal Net Volume (Liters):	***40***		
Tuning Frequency (Hz):	***48***	*Port Area (cm²):*	***138,7***
Frequency (-3 dB) (Hz):	***48,4***	*Port Length (cm):*	***33,8***

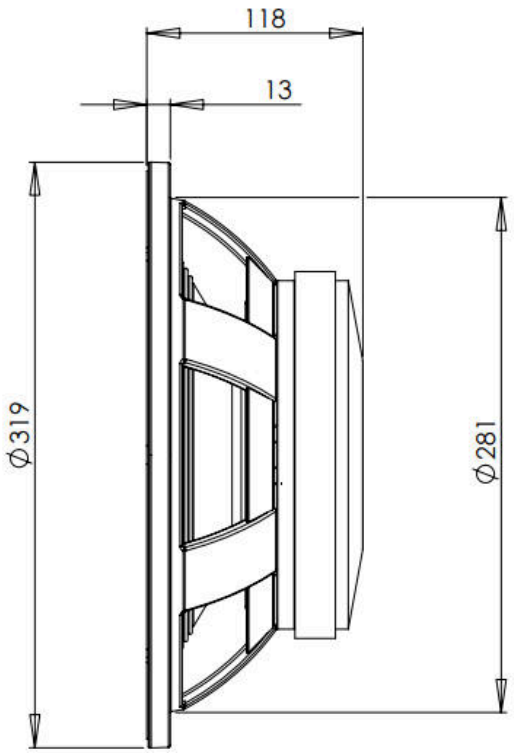
Excursion Limited Maximum SPL at 1 meter (dB):	***119,1***	*equal to*	***425,4*** *Watts*	*(Bass Band Power Rating)*
Thermal Limited Maximum SPL at 1 meter (dB):	***121,3***	*equal to*	***700,0*** *Watts*	*(Mid Band Power Rating)*

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