12TBX100 8 Ω

Subwoofer

- 2000 W continuous program power capacity
- 100 mm (4 in) copper voice coil
- 45 - 1500 Hz response
- 95 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	**6.3 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.	**95 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	**1.1 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	**42 Hz**
Re	**5.1 Ω**
Qes	**0.27**
Qms	**6.9**
Qts	**0.26**
Vas	**37.5 dm^3 (1.3 ft^3)**
Sd	**531 cm^2 (82.3 in^2)**
η0	**1.15 %**
Xmax	**9 mm**
Xvar	**11 mm**
Mms	**119 g**
Bl	**25.5 Tm**
Le	**1.6 mH**
EBP	**156 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 dm^3 (1.41 ft^3)**
Recommended Tuning	**43 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	**135 mm (5.3 in)**
Flange and Gasket Thickness	**13 mm (0.5 in)**
Air Volume Occupied by Driver	**4.2 dm^3 (0.15 ft^3)**
Net Weight	**11.8 kg (26 lb)**
Shipping Units	**1 pcs**
Shipping Weight	**12.7 kg (28 lb)**
Shipping Box	**360x360x200 mm (14.17x14.17x7.87 in)**

SERVICE KITS

LF recone-kits	**RCK12TBX1008**

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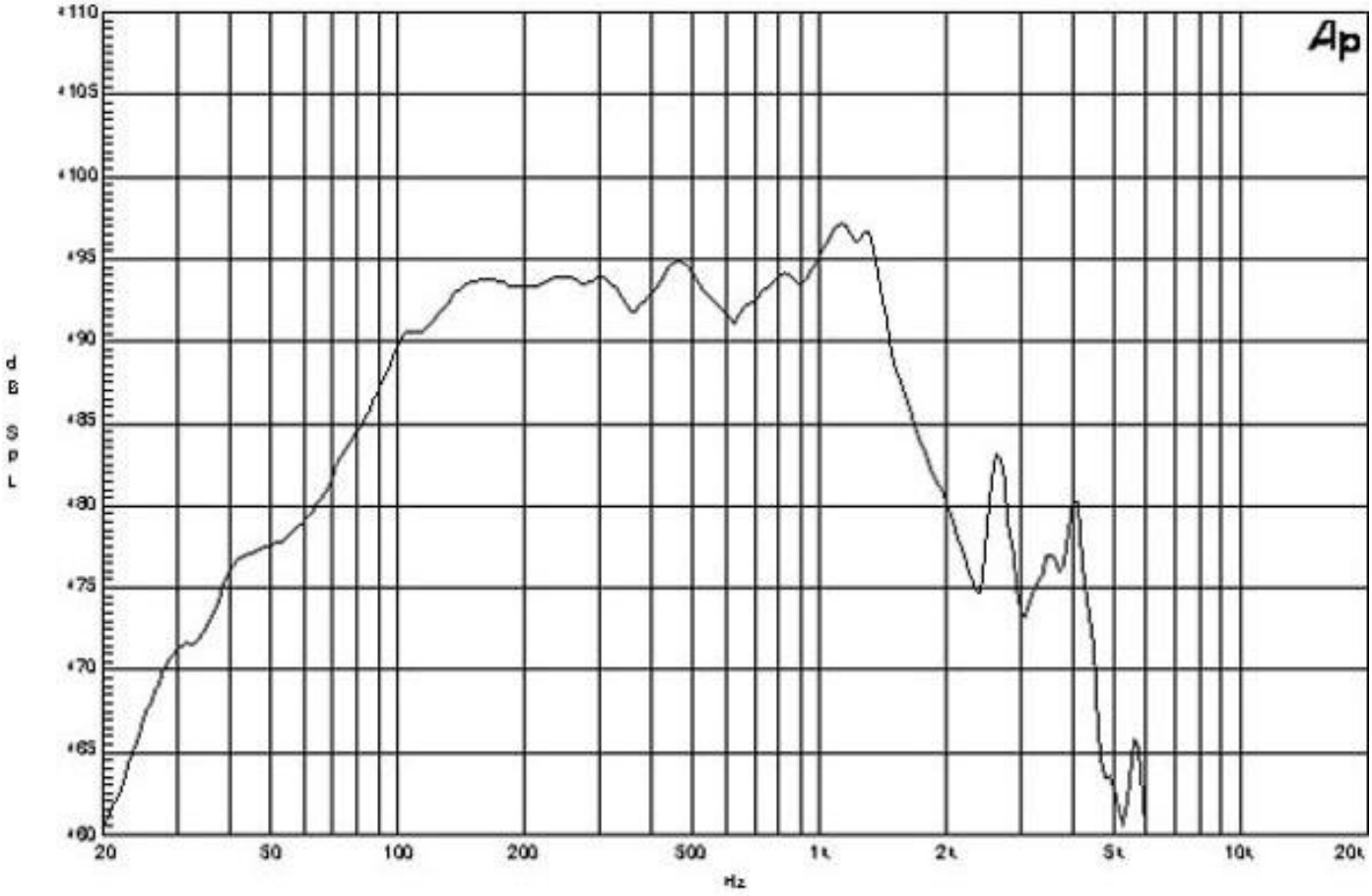

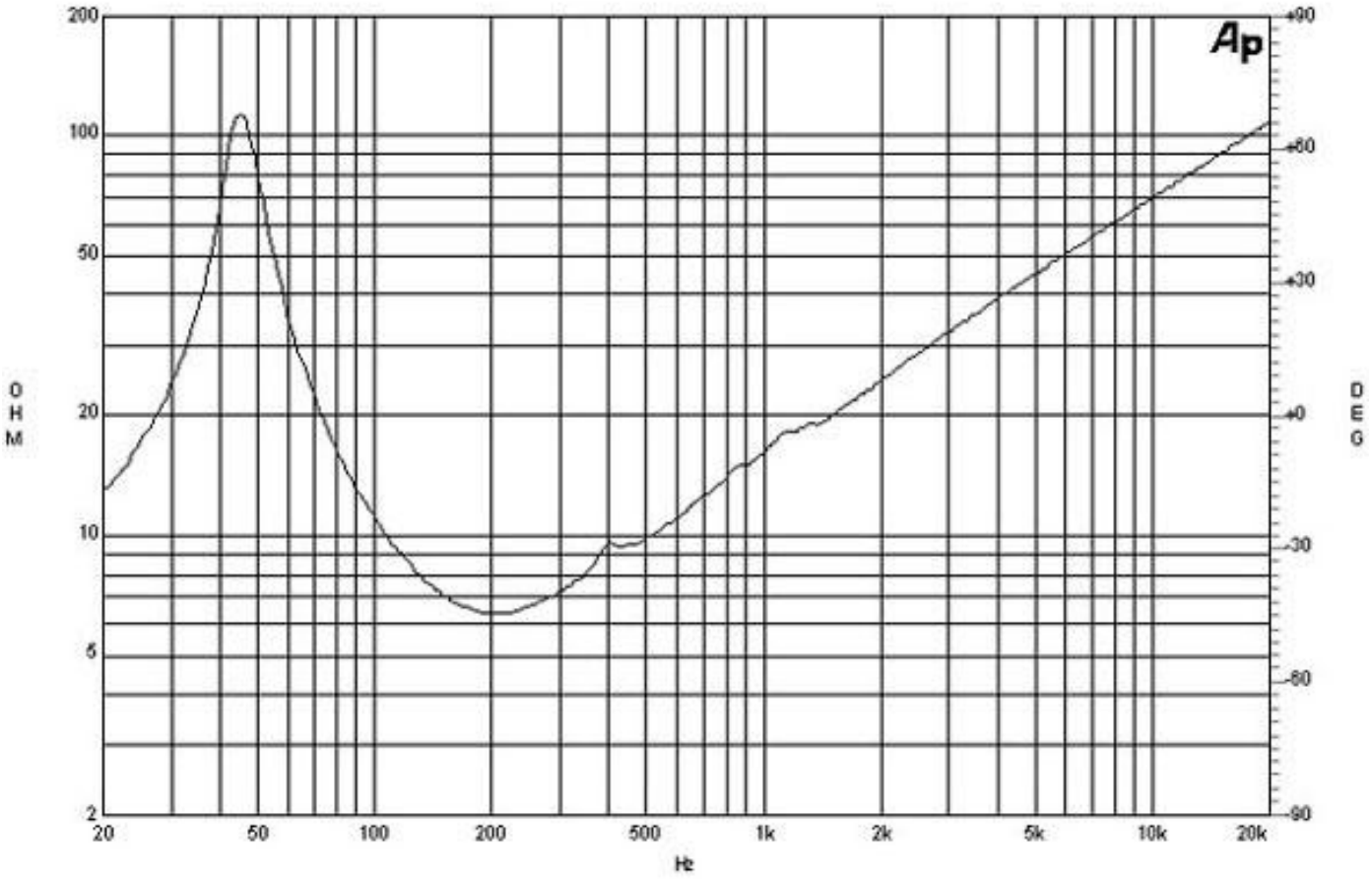

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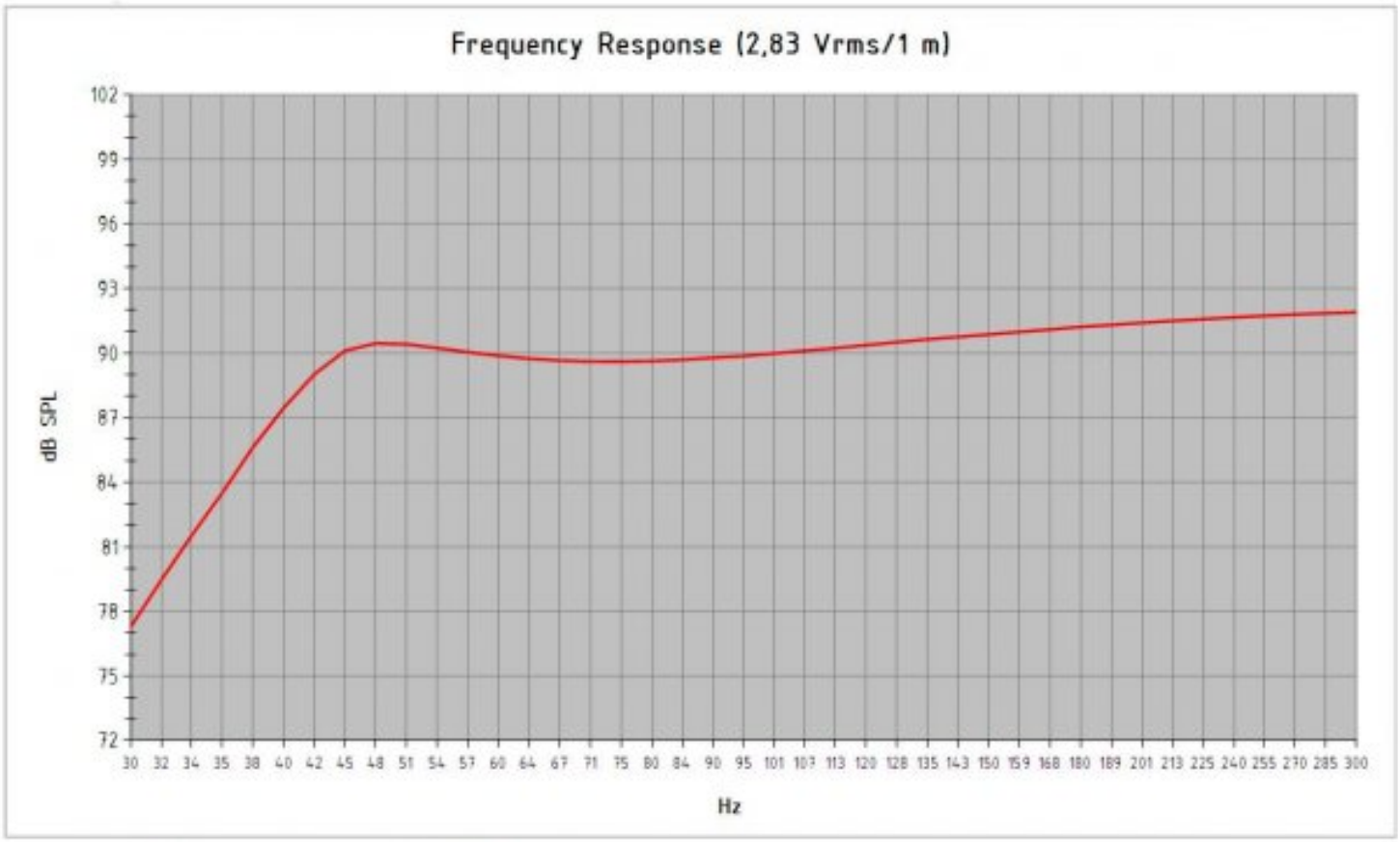

Model:	***12 TBX 100***				
Enclosure Type:	***Bass Reflex***				
Internal Net Volume (Liters):	***40***				
Tuning Frequency (Hz):	***43***	*Port Area (cm²):*	***138,7***		
Frequency (-3 dB) (Hz):	***43,0***	*Port Length (cm):*	***45,0***		
Excursion Limited Maximum SPL at 1 meter (dB):	***117,9***	*equal to*	***425,6***	*Watts*	*(Bass Band Power Rating)*
Thermal Limited Maximum SPL at 1 meter (dB):	***121,6***	*equal to*	***1000,0***	*Watts*	*(Mid Band Power Rating)*

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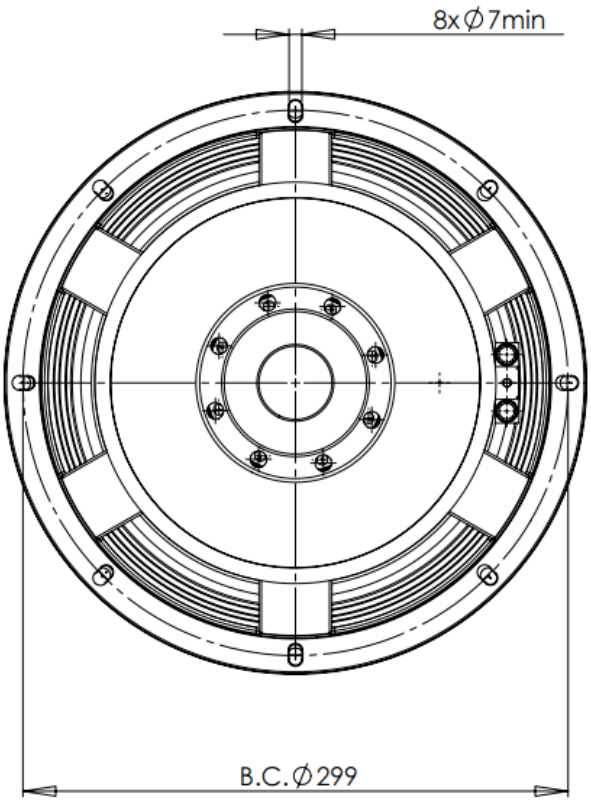

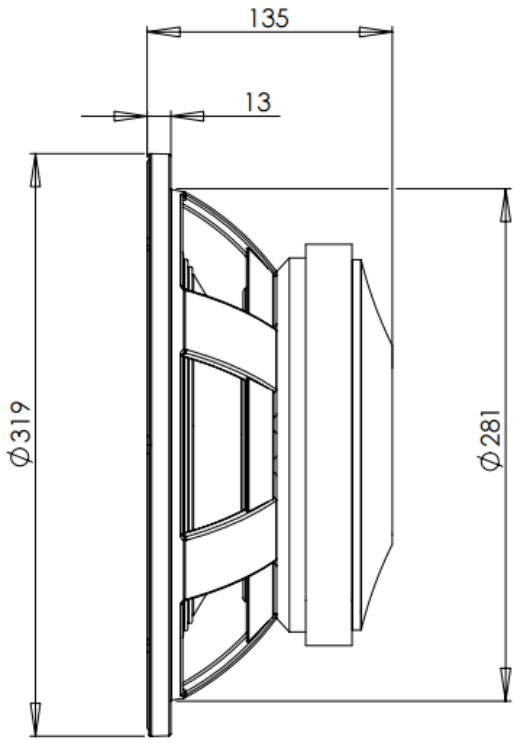

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