

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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Subwoofer

SPECIFICATIONS

| | |
|---|----------------------------------|
| Nominal Diameter | 320 mm (12 in) |
| Nominal Impedance | 8 Ω |
| Minimum Impedance | 6.7 Ω |
| Nominal Power Handling | 700 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 | 1400 W |
| Power on Continuous Program is defined as 3 dB greater than the Nominal rating. | |
| Sensitivity | 93 dB |
| Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance. | |
| 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 |
| Woofers 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) |
| η ₀ | 1.3 % |
| X _{max} | 8 mm |
| X _{var} | 8 mm |
| M _{ms} | 106 g |
| Bl | 22.5 Tm |
| Le | 2 mH |
| EBP | 152 Hz |

DESIGN

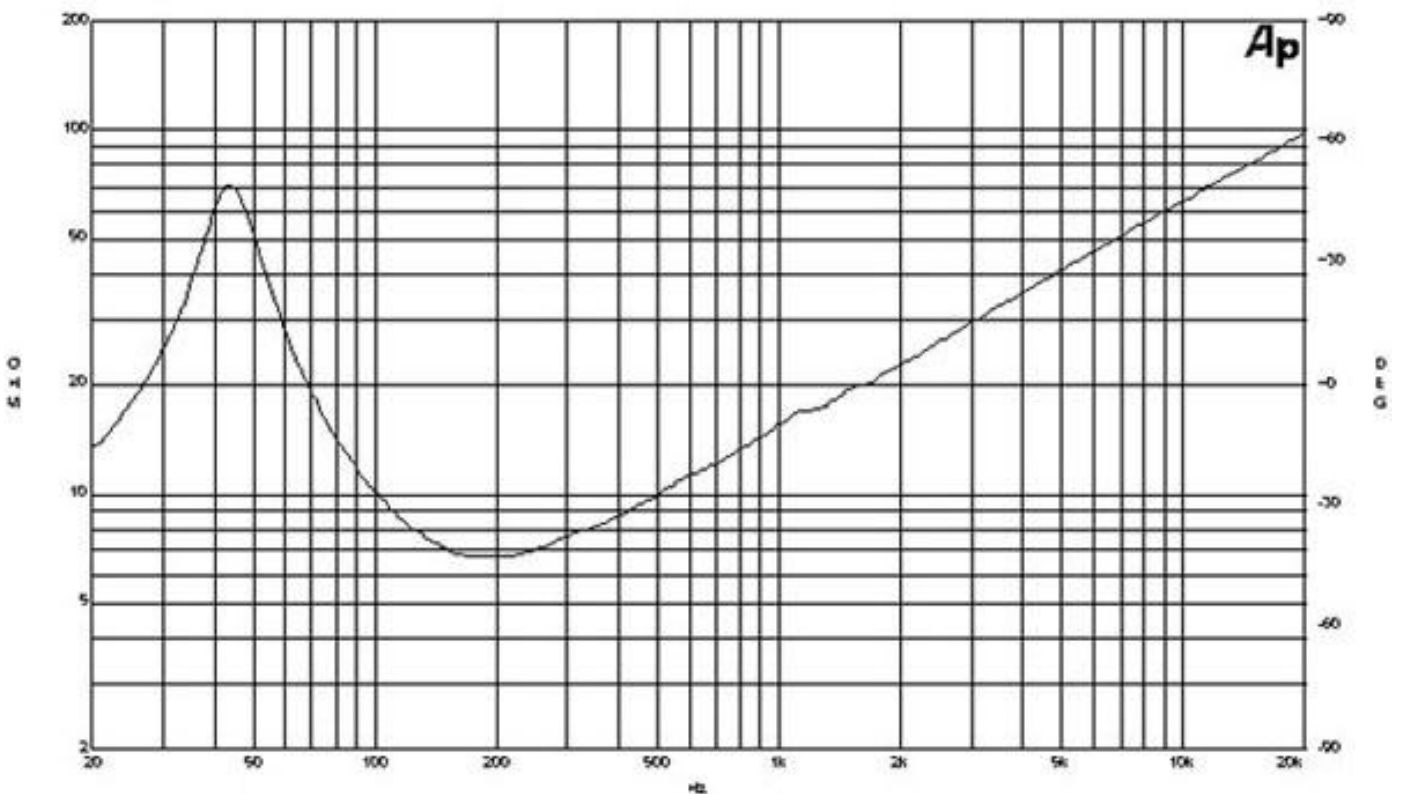
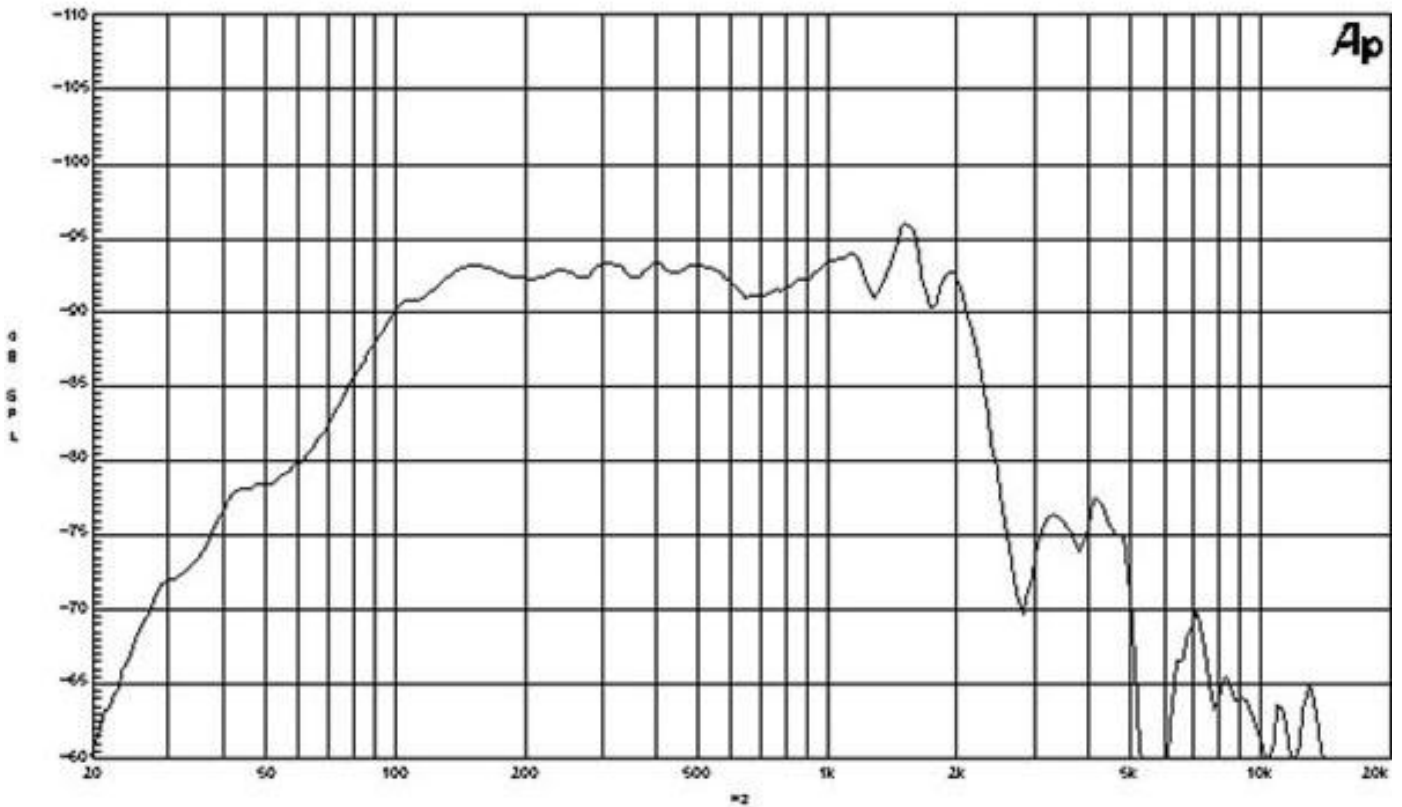
| | |
|------------------------|--|
| Surround Shape | Triple Roll |
| Cone Shape | Radial |
| Magnet Material | Ferrite |
| Spider | Double Silicone |
| Pole Design | T-Pole |
| Woofers Cone Treatment | TWP Waterproof Both Sides |
| Recommended Enclosure | 40 dm³ (1.41 ft³) |
| Recommended Tuning | 48 Hz |

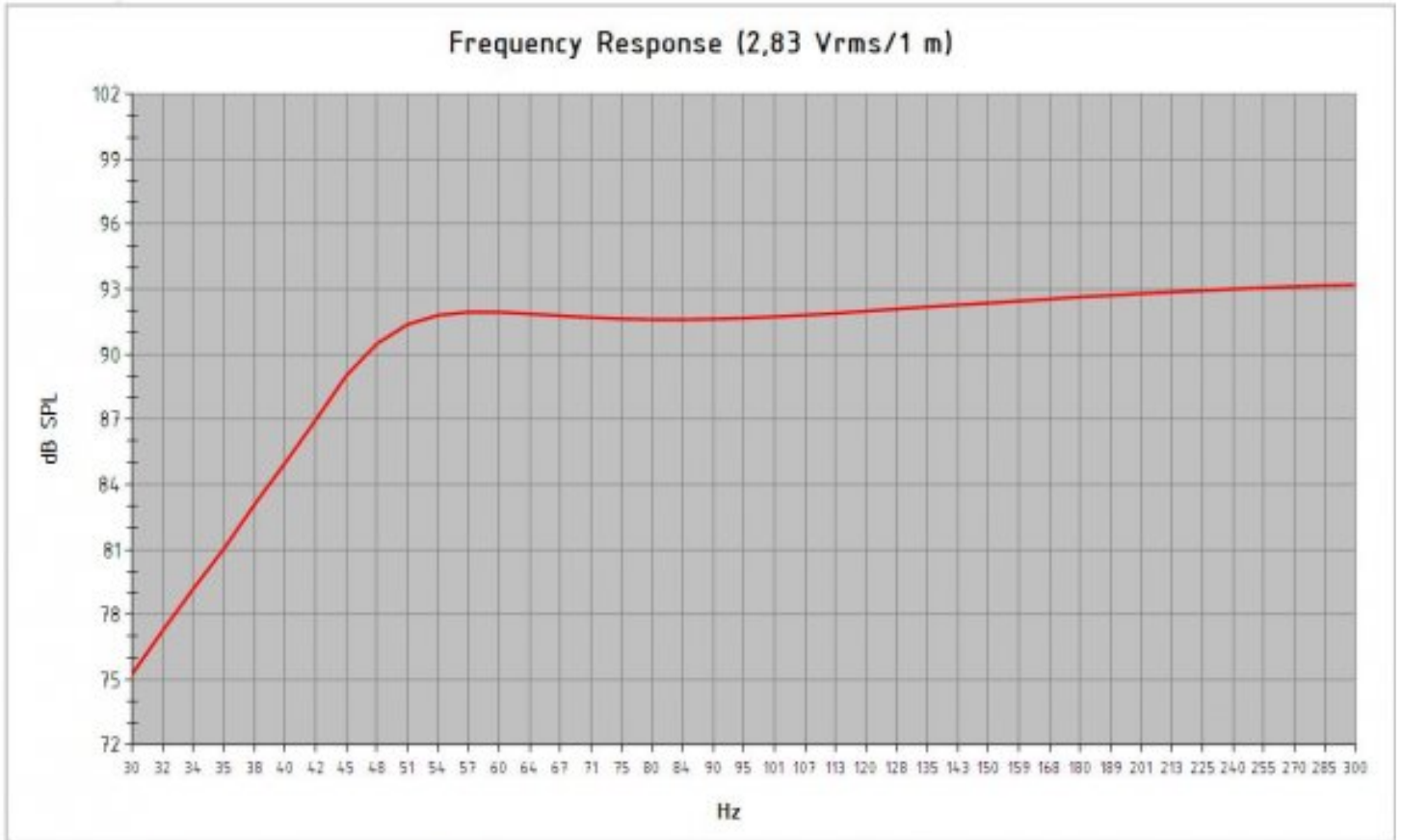
MOUNTING AND SHIPPING INFO

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|-------------------------------|---|
| 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 |
|----------------|--------------------|





| | | | |
|---|--------------------|--------------------------|---|
| <i>Model:</i> | 12 PS 100 | | |
| <i>Enclosure Type:</i> | Bass Reflex | | |
| <i>Internal Net Volume (Liters):</i> | 40 | <i>Port Area (cm²):</i> | 138,7 |
| <i>Tuning Frequency (Hz):</i> | 48 | <i>Port Length (cm):</i> | 33,8 |
| <i>Frequency (-3 dB) (Hz):</i> | 48,4 | | |
| <i>Excursion Limited Maximum SPL at 1 meter (dB):</i> | 119,1 | equal to | 425,4 Watts (Bass Band Power Rating) |
| <i>Thermal Limited Maximum SPL at 1 meter (dB):</i> | 121,3 | equal to | 700,0 Watts (Mid Band Power Rating) |

