

18SW100 8 Ω

Subwoofer

- 3000 W continuous program power capacity
- 100 mm (4 in) split winding copper voice coil
- 35 - 1000 Hz response
- 97 dB sensitivity
- Excursion optimized lead wires (woven through spider)
- Double silicone spider with optimized compliance
- Ventilated voice coil gap for reduced power compression
- Aluminium demodulating ring for very low distortion



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Subwoofer

SPECIFICATIONS

| | |
|---|----------------------------------|
| Nominal Diameter | 460 mm (18 in) |
| Nominal Impedance | 8 Ω |
| Minimum Impedance | 6.5 Ω |
| Nominal Power Handling | 1500 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 | 3000 W |
| Power on Continuous Program is defined as 3 dB greater than the Nominal rating. | |
| Sensitivity | 97 dB |
| Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance. | |
| Frequency Range | 35 Hz - 1000 Hz |
| Voice Coil Diameter | 100 mm (4 in) |
| Winding Material | Copper |
| Former Material | Glass Fibre |
| Winding Depth | 32 mm (1.26 in) |
| Magnetic Gap Depth | 14 mm (0.55 in) |
| Flux Density | 1.15 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 | 35 Hz |
| Re | 5.3 Ω |
| Qes | 0.4 |
| Qms | 5.9 |
| Qts | 0.38 |
| Vas | 180 dm³ (6.3 ft³) |
| Sd | 1210 cm² (187.6 in²) |
| η ₀ | 1.9 % |
| X _{max} | 12.5 mm |
| X _{var} | 16 mm |
| M _{ms} | 234 g |
| Bl | 26.1 Tm |
| Le | 2.2 mH |
| EBP | 88 Hz |

DESIGN

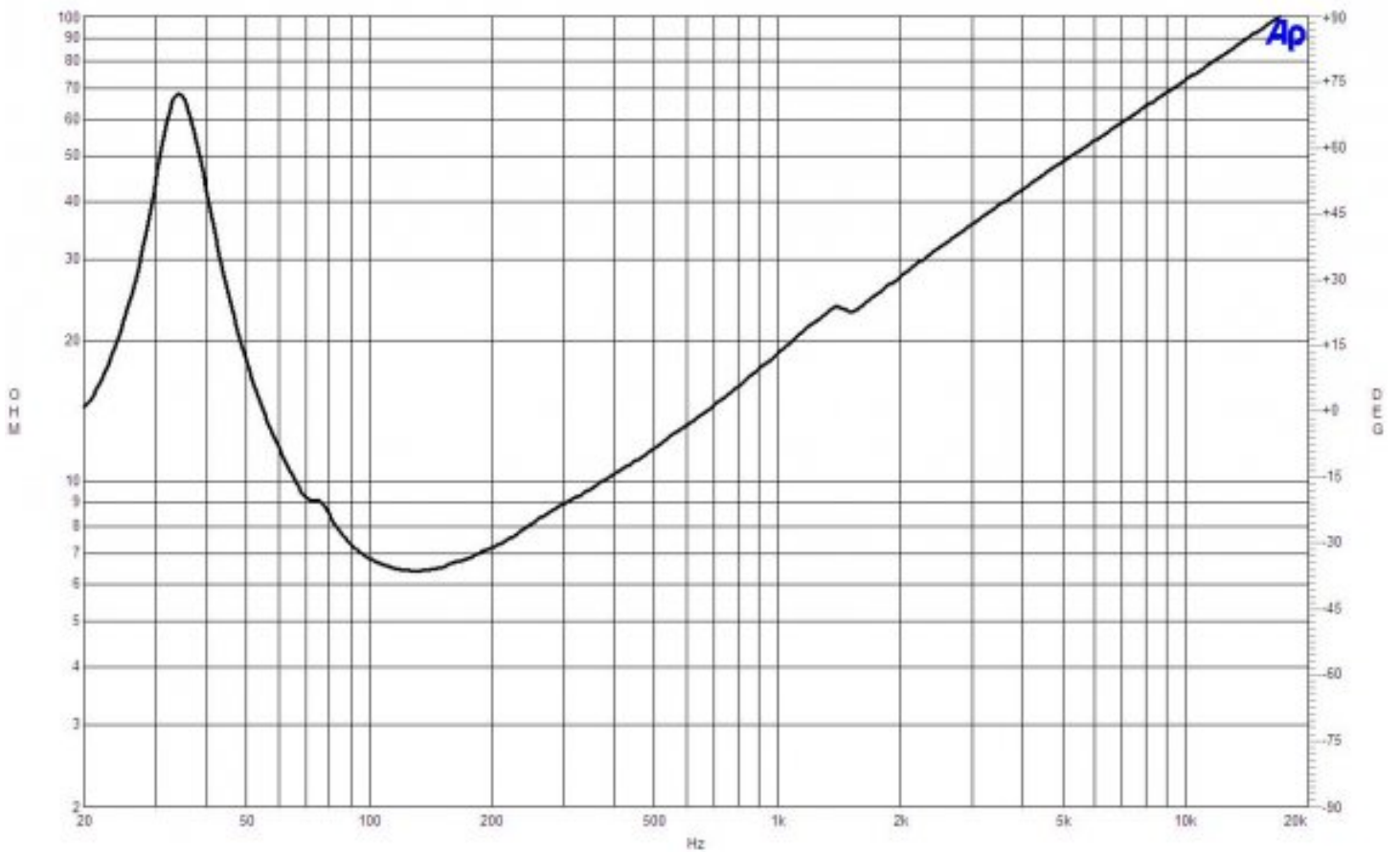
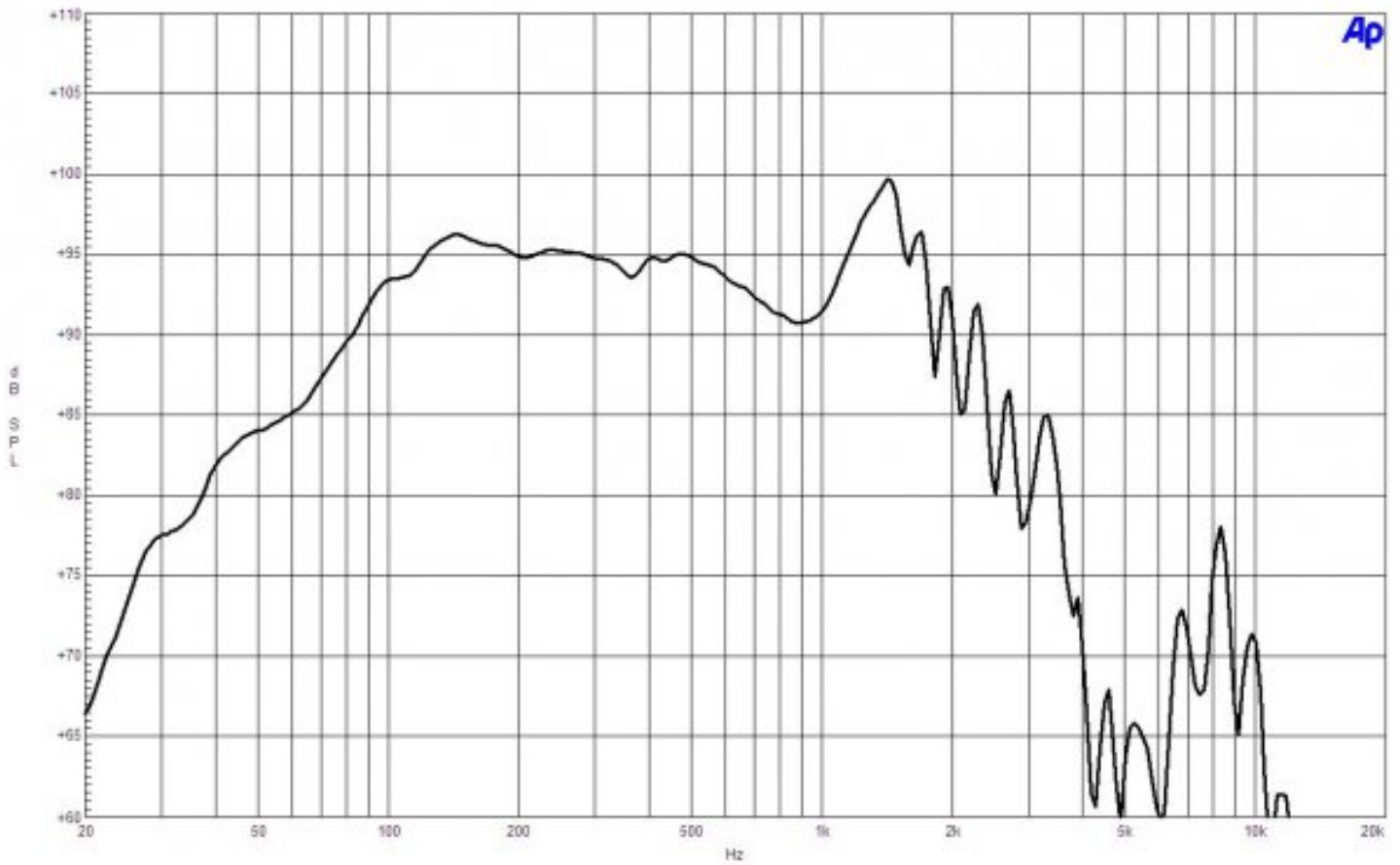
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|-----------------------|---|
| Surround Shape | Triple Roll |
| Cone Shape | Radial |
| Magnet Material | Neodymium Inside Slug |
| Spider | Double Silicone |
| Pole Design | T-Pole |
| Woofer Cone Treatment | TWP Waterproof Both Sides |
| Recommended Enclosure | 200 dm³ (7.06 ft³) |
| Recommended Tuning | 33 Hz |

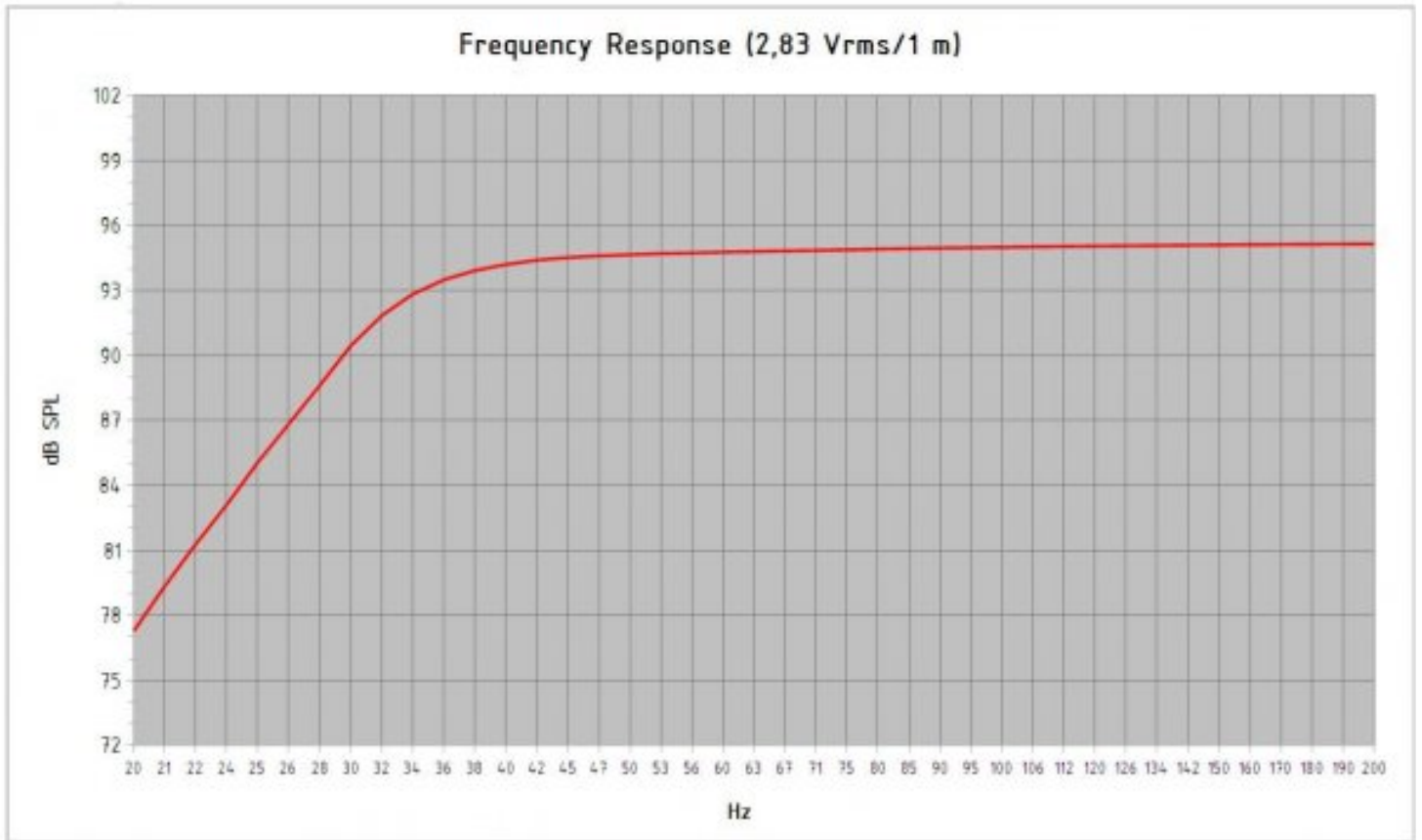
MOUNTING AND SHIPPING INFO

| | |
|-------------------------------|--|
| Overall Diameter | 460 mm (18 in) |
| Bolt Circle Diameter | 443 mm (17.44 in) |
| Baffle Cutout Diameter | 422 mm (16.6 in) |
| Depth | 239 mm (9.41 in) |
| Flange and Gasket Thickness | 16 mm (0.63 in) |
| Air Volume Occupied by Driver | 10 dm³ (0.35 ft³) |
| Net Weight | 10.5 kg (23.15 lb) |
| Shipping Units | 1 pcs |
| Shipping Weight | 12.3 kg (27.12 lb) |
| Shipping Box | 500x500x300 mm (19.69x19.69x11.81 in) |

SERVICE KITS

| | |
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| LF recone-kits | RCK18SW1008 |
|----------------|--------------------|





| | | | |
|--|--------------------|-------------------------------|---|
| Model: | 18 SW 100 | | |
| Enclosure Type: | Bass Reflex | | |
| Internal Net Volume (Liters): | 200 | Port Area (cm ²): | 339,6 |
| Tuning Frequency (Hz): | 33 | Port Length (cm): | 28,7 |
| Frequency (-3 dB) (Hz): | 32,7 | | |
| Excursion Limited Maximum SPL at 1 meter (dB): | 123,6 | equal to | 844,5 Watts (Bass Band Power Rating) |
| Thermal Limited Maximum SPL at 1 meter (dB): | 126,1 | equal to | 1500,0 Watts (Mid Band Power Rating) |

