

18NW100 8 Ω

Subwoofer

- 2400 W continuous program power capacity
- 100 mm (4 in) copper voice coil
- 35 - 1000 Hz response
- 98 dB sensitivity
- FEA optimized Neodymium magnet assembly
- Double silicone spider with optimized compliance
- Ventilated voice coil gap for reduced power compression



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Subwoofer

SPECIFICATIONS

| | |
|---|----------------------------------|
| Nominal Diameter | 460 mm (18 in) |
| Nominal Impedance | 8 Ω |
| Minimum Impedance | 6.3 Ω |
| Nominal Power Handling | 1200 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 | 2400 W |
| Power on Continuous Program is defined as 3 dB greater than the Nominal rating. | |
| Sensitivity | 98 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 | 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 | 31 Hz |
| Re | 5.1 Ω |
| Qes | 0.27 |
| Qms | 4.2 |
| Qts | 0.26 |
| Vas | 252 dm³ (8.9 ft³) |
| Sd | 1210 cm² (187.6 in²) |
| η ₀ | 2.7 % |
| X _{max} | 9 mm |
| X _{var} | 11 mm |
| M _{ms} | 211 g |
| Bl | 28 Tm |
| Le | 1.7 mH |
| EBP | 115 Hz |

DESIGN

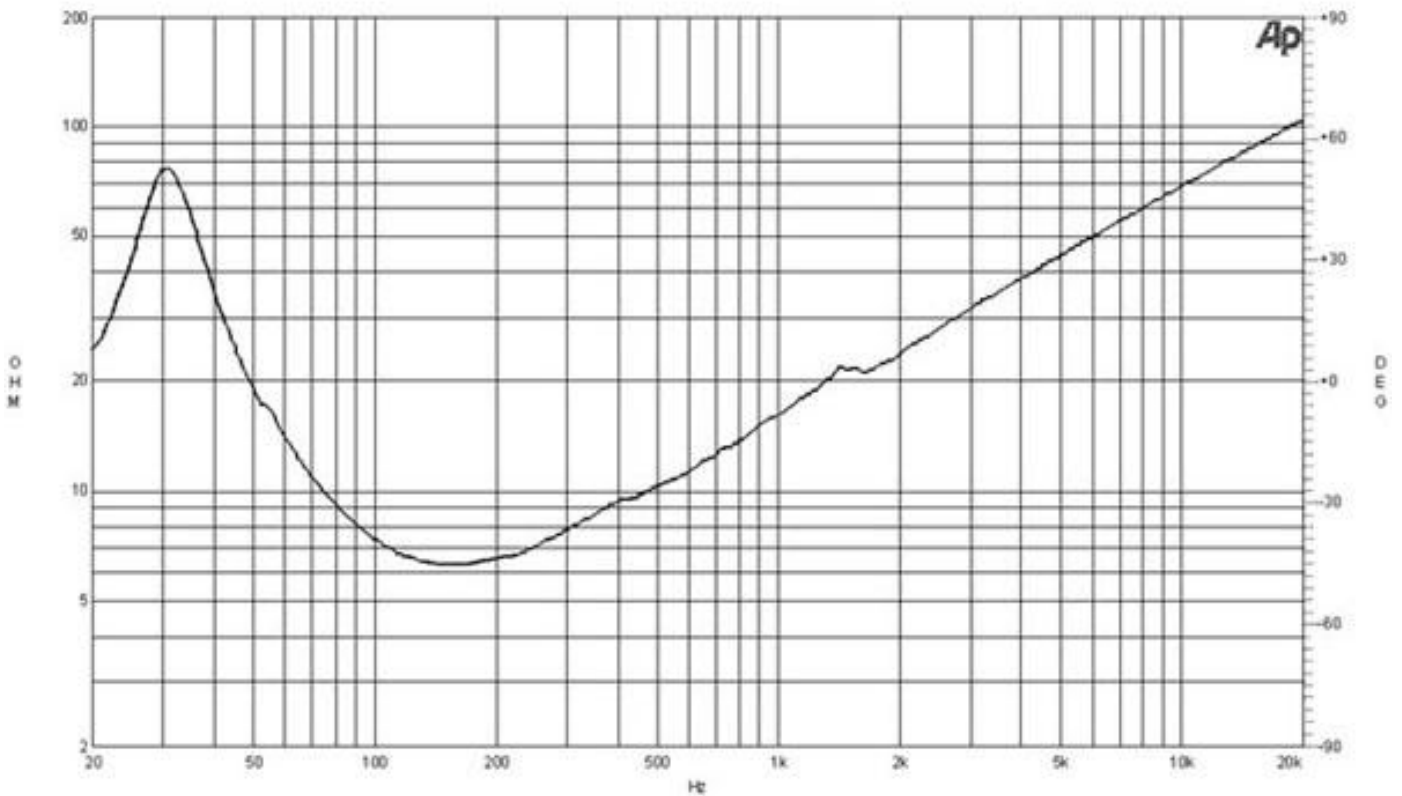
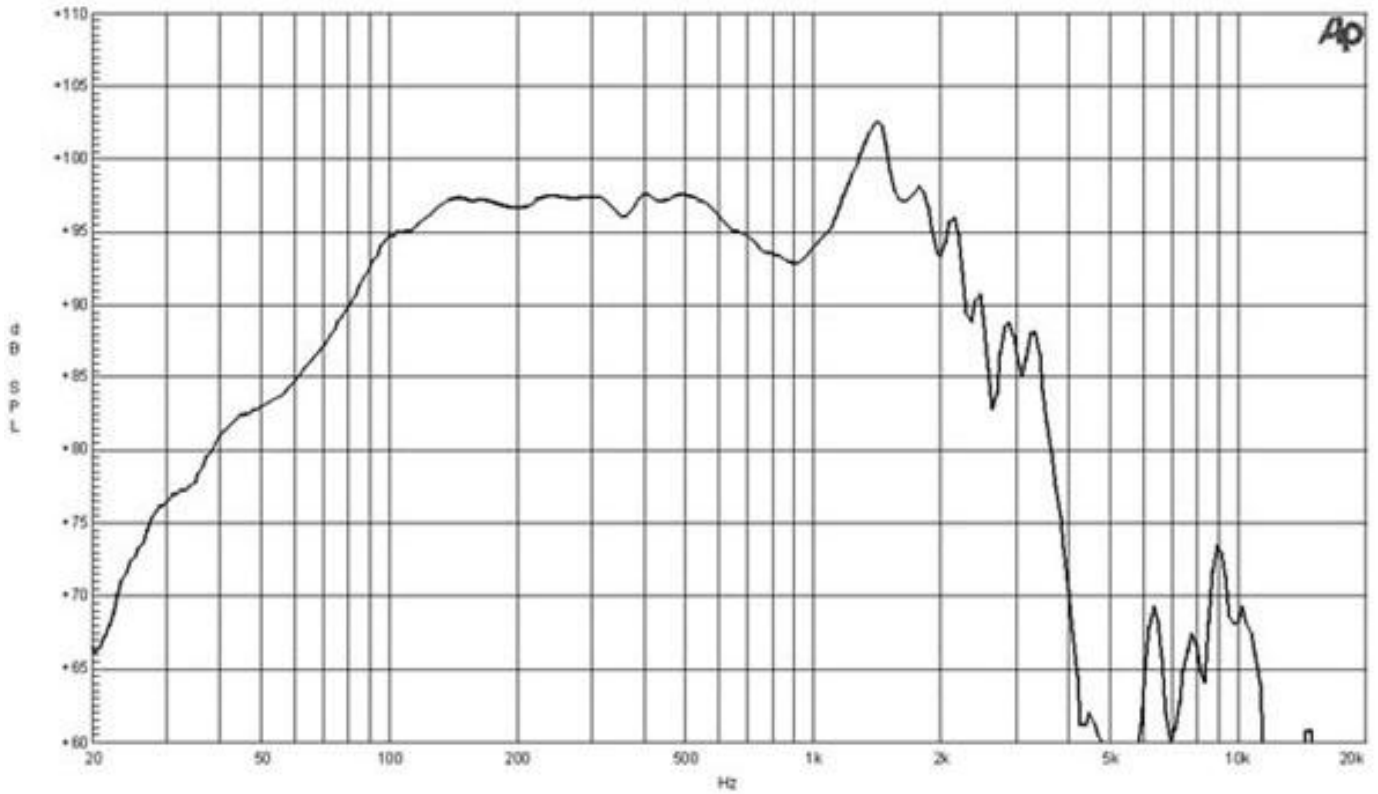
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|-----------------------|---|
| Surround Shape | Triple Roll |
| Cone Shape | Radial |
| Magnet Material | Neodymium Inside Slug |
| Spider | Double Silicone |
| Pole Design | T-Pole |
| Woofer Cone Treatment | TWP Waterproof Both Sides |
| Recommended Enclosure | 160 dm³ (5.65 ft³) |
| Recommended Tuning | 37 Hz |

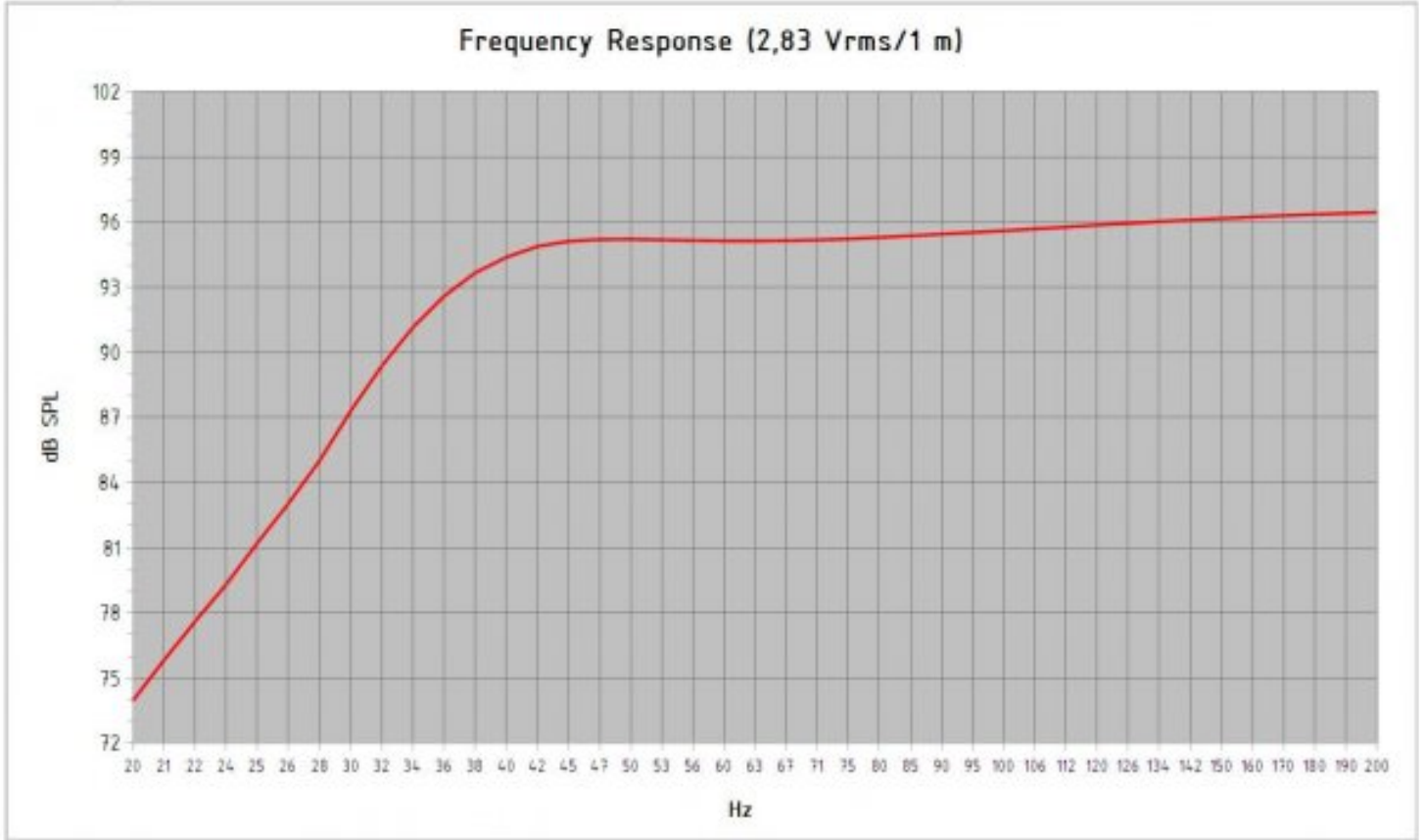
MOUNTING AND SHIPPING INFO

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|-------------------------------|--|
| Overall Diameter | 460 mm (18 in) |
| Bolt Circle Diameter | 440 mm (17.3 in) |
| Baffle Cutout Diameter | 422 mm (16.6 in) |
| Depth | 209 mm (8.2 in) |
| Flange and Gasket Thickness | 16 mm (0.62 in) |
| Air Volume Occupied by Driver | 8.5 dm³ (0.3 ft³) |
| Net Weight | 9.05 kg (19.95 lb) |
| Shipping Weight | 10.65 kg (23.48 lb) |
| Shipping Box | 500x495x275 mm (19.69x19.49x10.83 in) |

SERVICE KITS

| | |
|----------------|--------------------|
| LF recone-kits | RCK18NW1008 |
|----------------|--------------------|





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|--|--------------------|-------------------------------|---|
| Model: | 18 NW 100 | | |
| Enclosure Type: | Bass Reflex | | |
| Internal Net Volume (Liters): | 160 | Port Area (cm ²): | 339,6 |
| Tuning Frequency (Hz): | 37 | Port Length (cm): | 28,5 |
| Frequency (-3 dB) (Hz): | 38,7 | | |
| Excursion Limited Maximum SPL at 1 meter (dB): | 123,2 | equal to | 542,8 Watts (Bass Band Power Rating) |
| Thermal Limited Maximum SPL at 1 meter (dB): | 126,7 | equal to | 1200,0 Watts (Mid Band Power Rating) |

