

12NW100

4Ω

LF Drivers - 12.0 Inches

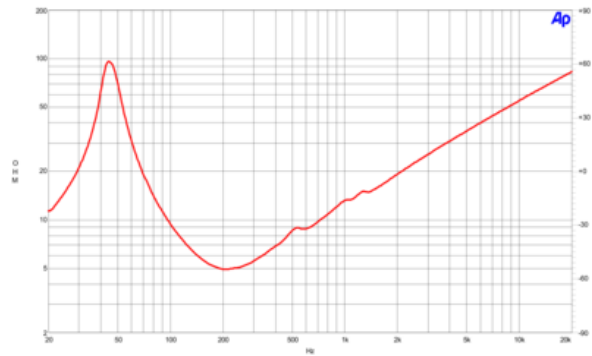
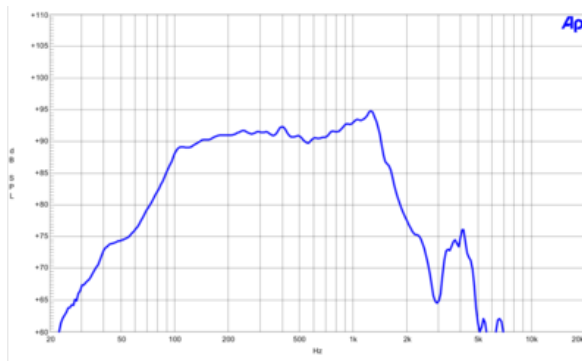


- 2000 W continuous program power capacity
- 100 mm (4 in) copper voice coil
- 45 - 1500 Hz response
- 92 dB sensitivity
- FEA optimized Neodymium magnet assembly
- Double silicone spider with optimized compliance
- Ventilated voice coil gap for reduced power compression



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LF Drivers- 12.0 Inches



SPECIFICATIONS

| | |
|--|------------------|
| Nominal Diameter | 320 mm (12.0 in) |
| Nominal Impedance | 4 Ω |
| Minimum Impedance | 5.0 Ω |
| Nominal Power Handling ¹ | 1000 W |
| Continuous Power Handling ² | 2000 W |
| Sensitivity ³ | 92.0 dB |
| Frequency Range | 45 - 1500 Hz |
| Voice Coil Diameter | 100 mm (4.0 in) |
| Winding Material | Copper |
| Former Material | Glass Fibre |
| Winding Depth | 25.0 mm (1.0 in) |
| Magnetic Gap Depth | 12.0 mm (0.5 in) |
| Flux Density | 1.2 T |

DESIGN

| | |
|-----------------------|--|
| 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 | 50.0 dm ³ (1.77 ft ³) |
| Recommended Tuning | 50 Hz |

PARAMETERS⁴

| | |
|---------------------|---|
| Resonance Frequency | 44 Hz |
| Re | 3.8 Ω |
| Qes | 0.21 |
| Qms | 5.8 |
| Qts | 0.2 |
| Vas | 43.3 dm ³ (1.53 ft ³) |
| Sd | 531.0 cm ² (82.3 in ²) |
| η_0 | 1.69 % |
| Xmax | 9.0 mm |
| Maximum Excursion | 10.0 mm |
| Mms | 120.0 g |
| Bl | 24.38 Txm |
| Le | 1.79 mH |
| EBP | 209 Hz |

MOUNTING AND SHIPPING INFO

| | |
|-------------------------------|---|
| Overall Diameter | 319 mm (12.5 in) |
| Bolt Circle Diameter | 299 mm (11.8 in) |
| Baffle Cutout Diameter | 281.0 mm (11.1 in) |
| Depth | 137 mm (5.4 in) |
| Flange and Gasket Thickness | 13 mm (0.5 in) |
| Air Volume Occupied by Driver | 2.7 dm ³ (0.09 ft ³) |
| Net Weight | 8.2 kg (18.0 lb) |
| Shipping Units | 1 |
| Shipping Weight | 9.1 kg (20.06 lb) |
| Shipping Box | 360x360x200 mm (14.17x14.17x7.87 in) |

SERVICE KIT

RCK12NW1004

- 2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated nominal impedance. Loudspeaker in free air.
- Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
- Applied RMS Voltage is set to 2V for 4 ohms Nominal Impedance.
- Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.