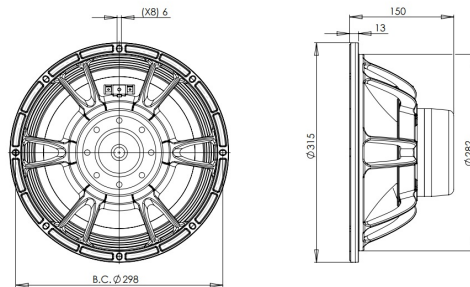


12NDL88

8Ω

LF Drivers - 12.0 Inches



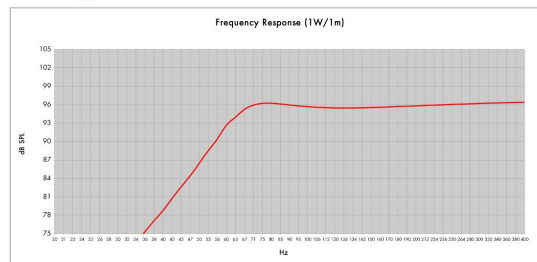
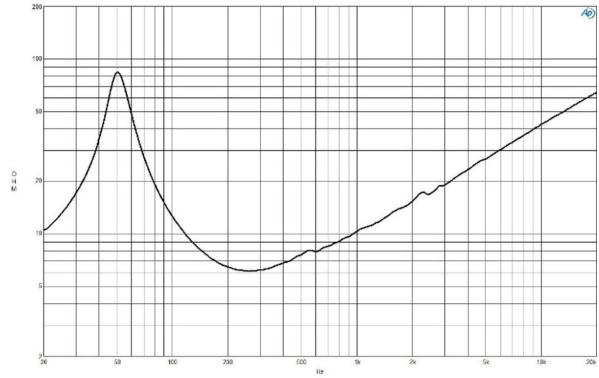
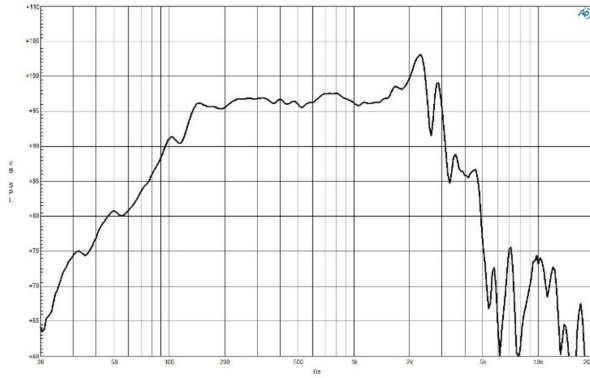
- 1400 W continuous program power capacity
- 88 mm (3.5 in) aluminium voice coil
- 50 - 3000 Hz response
- 98 dB sensitivity
- Aluminium demodulating ring allows a very low distortion figure
- Double silicone spider with optimized compliance
- Ventilated voice coil gap for reduced power compression



The NDL88 series is perfectly balanced for the loudspeaker systems of today. Incorporating a high temperature neodymium magnet inside the 3.5" (88mm) voice coil reduces the amount of steel needed in the motor structure, saving cost and weight. Unexpected low frequency output and midrange extension to meet with almost any driver for two way applications is the hallmark of this new performance-oriented woofer line from B&C Speakers. Do more, with less, with the NDL88 series.

12NDL88

LF Drivers- 12.0 Inches



Model: 12NDL88
 Enclosure Type: Open Reflex Configuration: One Driver
 Internal Net Volume (liters): 40 Q_{ts}: 6
 Tuning Frequency (Hz): 65 Port Area (cm²): 144.7
 Frequency (±2 dB) (Hz): 62.4 Port Length (cm): 13.9
 Frequency (±10 dB) (Hz): 50.4

SPECIFICATIONS

| | |
|--|-------------------|
| Nominal Diameter | 320 mm (12.0 in) |
| Nominal Impedance | 8 Ω |
| Minimum Impedance | 6.0 Ω |
| Nominal Power Handling ¹ | 700 W |
| Continuous Power Handling ² | 1400 W |
| Sensitivity ³ | 98.0 dB |
| Frequency Range | 50 - 3000 Hz |
| Voice Coil Diameter | 88 mm (3.5 in) |
| Winding Material | Aluminium |
| Former Material | Glass Fibre |
| Winding Depth | 21.0 mm (0.85 in) |
| Magnetic Gap Depth | 10.0 mm (0.4 in) |
| Flux Density | 1.15 T |

DESIGN

| | |
|-----------------------|--|
| Surround Shape | Triple Roll |
| Cone Shape | Exponential |
| Magnet Material | Neodymium Inside Slug |
| Spider | Double Silicone |
| Pole Design | T-Pole |
| Woofer Cone Treatment | WP Waterproof Front Side |
| Recommended Enclosure | 40.0 dm ³ (1.41 ft ³) |
| Recommended Tuning | 65 Hz |

PARAMETERS⁴

| | |
|---------------------|---|
| Resonance Frequency | 51 Hz |
| Re | 5.0 Ω |
| Qes | 0.29 |
| Qms | 5.0 |
| Qts | 0.27 |
| Vas | 52.0 dm ³ (1.84 ft ³) |
| Sd | 522.0 cm ² (80.9 in ²) |
| η _o | 2.3 % |
| Xmax | ± 8.0 mm |
| Xvar | ± 9.5 mm |
| Mms | 71.0 g |
| Bl | 19.9 Txm |
| Le | 1.3 mH |
| EBP | 175 Hz |

MOUNTING AND SHIPPING INFO

| | |
|-----------------------------|---|
| Overall Diameter | 315 mm (12.4 in) |
| Bolt Circle Diameter | 298 mm (11.73 in) |
| Baffle Cutout Diameter | 282.0 mm (11.1 in) |
| Depth | 140 mm (5.51 in) |
| Flange and Gasket Thickness | 13 mm (0.51 in) |
| Air Volume Occupied by Horn | 2.5 dm ³ (0.08 ft ³) |
| Net Weight | 4.8 kg (10.58 lb) |
| Shipping Units | 1 |
| Shipping Weight | 5.7 kg (12.57 lb) |
| Shipping Box | 360x360x200 mm (14.17x14.17x7.87 in) |

SERVICE KIT

| | |
|------------|-------------|
| Recone kit | RCK12NDL888 |
|------------|-------------|

1. 2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.
2. Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
3. Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.
4. Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.