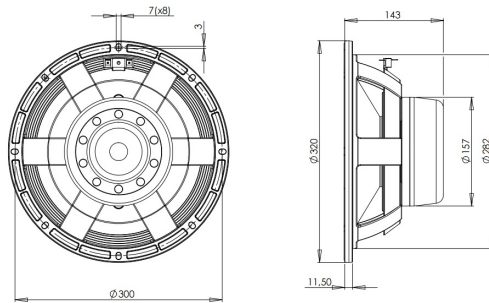


# 12NBX100

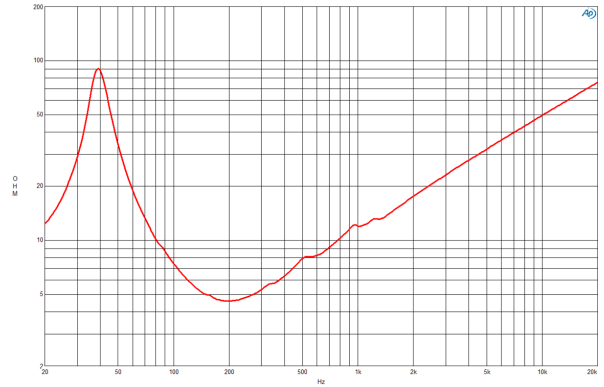
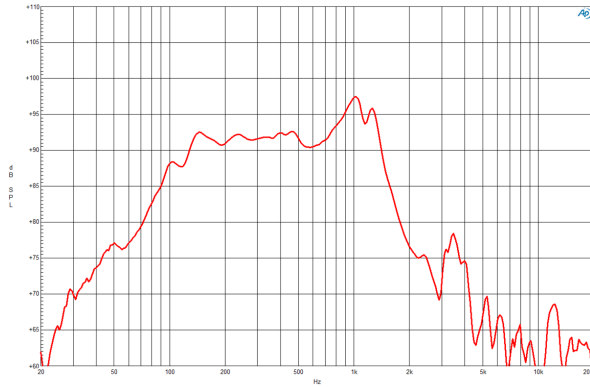
**4Ω****LF Drivers - 12.0 Inches**

- 2000 W continuous program power capacity
- 100 mm (4 in) copper voice coil
- 40 - 1500 Hz response
- 94 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



# 12NBX100

LF Drivers- 12.0 Inches



## SPECIFICATIONS

|  |                   |
|--|-------------------|
| Nominal Diameter                       | 320 mm (12.0 in)  |
| Nominal Impedance                      | 4 Ω               |
| Minimum Impedance                      | 4.5 Ω             |
| Nominal Power Handling <sup>1</sup>    | 1000 W            |
| Continuous Power Handling <sup>2</sup> | 2000 W            |
| Sensitivity <sup>3</sup>               | 94.0 dB           |
| Frequency Range                        | 40 - 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                     | 11.0 mm (0.43 in) |
| Flux Density                           | 1.1 T             |

## DESIGN

|                       |  |
|-----------------------|--|
| Surround Shape        | Triple Roll                                  |
| Cone Shape            | Exponential                                  |
| Magnet Material       | Neodymium Inside Slug                        |
| Spider                | Double Silicone                              |
| Pole Design           | T-Pole                                       |
| Woofer Cone Treatment | TWP Waterproof Both Sides                    |
| Recommended Enclosure | 40.0 dm <sup>3</sup> (1.41 ft <sup>3</sup> ) |
| Recommended Tuning    | 50 Hz  |

## PARAMETERS<sup>4</sup>

|                     |   |
|---------------------|---|
| Resonance Frequency | 40 Hz   |
| Re                  | 3.6 Ω   |
| Qes                 | 0.23  |
| Qms                 | 7.05  |
| Qts                 | 0.22  |
| Vas                 | 46.5 dm <sup>3</sup> (1.64 ft <sup>3</sup> )  |
| Sd                  | 531.0 cm <sup>2</sup> (82.0 in <sup>2</sup> ) |
| η <sub>o</sub>      | 1.27 %  |
| Xmax                | ± 10.0 mm                                     |
| Xvar                | ± 10.0 mm                                     |
| Mms                 | 133.0 g                                       |
| Bl                  | 23.04 Txm                                     |
| Le                  | 1.35 mH                                       |
| EBP                 | 173 Hz  |

## MOUNTING AND SHIPPING INFO

|                             |   |
|-----------------------------|---|
| Overall Diameter            | 320 mm (12.6 in)                            |
| Bolt Circle Diameter        | 300 mm (11.8 in)                            |
| Baffle Cutout Diameter      | 280.0 mm (11.0 in)                          |
| Depth                       | 143 mm (5.63 in)                            |
| Flange and Gasket Thickness | 12 mm (0.47 in)                             |
| Air Volume Occupied by Horn | 4.0 dm <sup>3</sup> (0.14 ft <sup>3</sup> ) |
| Net Weight                  | 8.0 kg (17.6 lb)                            |
| Shipping Units              | 1   |
| Shipping Weight             | 8.9 kg (19.62 lb)                           |
| Shipping Box                | 360x360x200 mm (14.17x14.17x7.87 in)        |

## SERVICE KIT

|            |              |
|------------|--------------|
| Recone kit | RCK12NBX1004 |
|------------|--------------|

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 2V for 4 ohms Nominal Impedance.
4. Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.

B&C Speakers s.p.a.

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