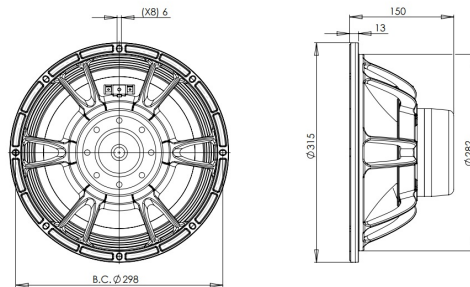


# 12NDL88

**16Ω****LF Drivers - 12.0 Inches**

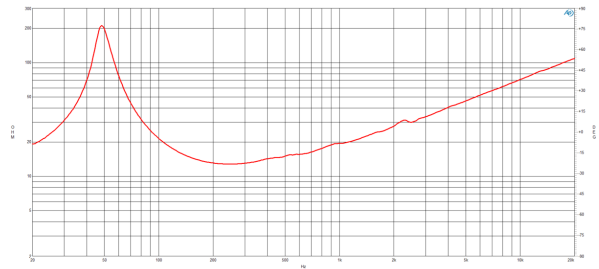
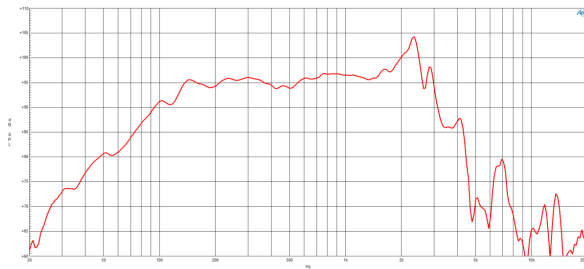
- 1400 W continuous program power capacity
- 88 mm (3.5 in) aluminium voice coil
- 50 - 3000 Hz response
- 97 dB sensitivity
- Aluminium demodulating ring allows a very low distortion figure
- Double silicone spider with optimized compliance
- Ventilated voice coil gap for reduced power compression



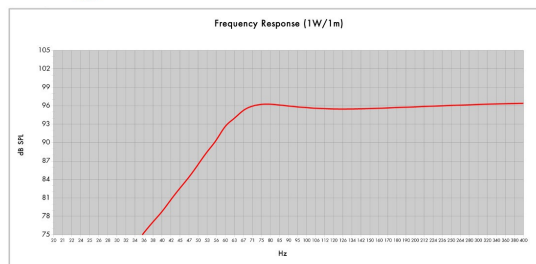
The NDL88 series is perfectly balanced for the loudspeaker systems of today. Incorporating a high temperature neodymium magnet inside the 3.5" (88mm) voice coil reduces the amount of steel needed in the motor structure, saving cost and weight. Unexpected low frequency output and midrange extension to 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



**B&C SPEAKERS**



Model: **12NDL88**  
 Enclosure Type: **Box Reflex** Configuration: **One Driver**  
 Internal Net Volume (l): **40** Q<sub>ts</sub>: **6**  
 Tuning Frequency (Hz): **65** Port Area (cm<sup>2</sup>): **144.7**  
 Frequency (-3 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	16 Ω
Minimum Impedance	12.8 Ω
Nominal Power Handling <sup>1</sup>	700 W
Continuous power handling <sup>2</sup>	1400 W
Sensitivity (1W/1m) <sup>3</sup>	97.0 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 (0.83 in)
Magnetic Gap Depth	10.0 mm (0.39 in)
Flux Density	1.05 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 <sup>3</sup> (1.41 ft <sup>3</sup> )
Recommended Tuning	65 Hz

## PARAMETERS<sup>4</sup>

Resonance Frequency	50 Hz
Re	11.1 Ω
Q <sub>es</sub>	0.38
Q <sub>ms</sub>	8.3
Q <sub>ts</sub>	0.37
V <sub>as</sub>	55.0 dm <sup>3</sup> (1.94 ft <sup>3</sup> )
S <sub>d</sub>	522.0 cm <sup>2</sup> (80.91 in <sup>2</sup> )
η <sub>o</sub>	1.8 %
X <sub>max</sub>	± 8.0 mm
X <sub>var</sub>	± 10.0 mm
M <sub>ms</sub>	70.0 g
Bl	25.3 Txm
Le	2.1 mH
EBP	131 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 Driver	2.5 dm <sup>3</sup> (0.08 ft <sup>3</sup> )
Net Weight	4.95 kg (10.91 lb)
Shipping Units	1
Shipping Weight	5.85 kg (12.9 lb)
Shipping Box	360x360x200 mm (14.17x14.17x7.87 in)

## SERVICE KIT

Recone kit	RCK12NDL8816
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**B&C Speakers s.p.a.**

Via Poggiomoro, 1 - Loc. Vallina, 50012 Bagno a Ripoli (FI) - ITALY - Tel. +39 055 65721 - Fax +39 055 6572312 - mail@bcspeakers.com

1. 2 hours test made with continuous pink noise signal within the range  $F_s$ - $10F_s$ . 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 4 V for 16 ohms Nominal Impedance.
4. Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.