

12NDL88 16 Ω

Woofers

- 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.



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SPECIFICATIONS

Nominal Diameter	320 mm (12 in)
Nominal Impedance	16 Ω
Minimum Impedance	12.8 Ω
Nominal Power Handling	700 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	1400 W
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	97 dB
Applied RMS Voltage is set to 4 V for 16 ohms Nominal Impedance.	
Frequency Range	50 Hz - 3000 Hz
Voice Coil Diameter	88 mm (3.5 in)
Winding Material	Aluminium
Former Material	Glass Fibre
Winding Depth	21 mm (0.83 in)
Magnetic Gap Depth	10 mm (0.39 in)
Flux Density	1.05 T
Woofers Cone Treatment	WP Waterproof Front Side

PARAMETERS

Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.

Fs	50 Hz
Re	11.1 Ω
Qes	0.38
Qms	8.3
Qts	0.37
Vas	55 dm³ (1.94 ft³)
Sd	522 cm² (80.91 in²)
η0	1.8 %
Xmax	8 mm
Xvar	10 mm
Mms	70 g
Bl	25.3 Tm
Le	2.1 mH
EBP	132 Hz

DESIGN

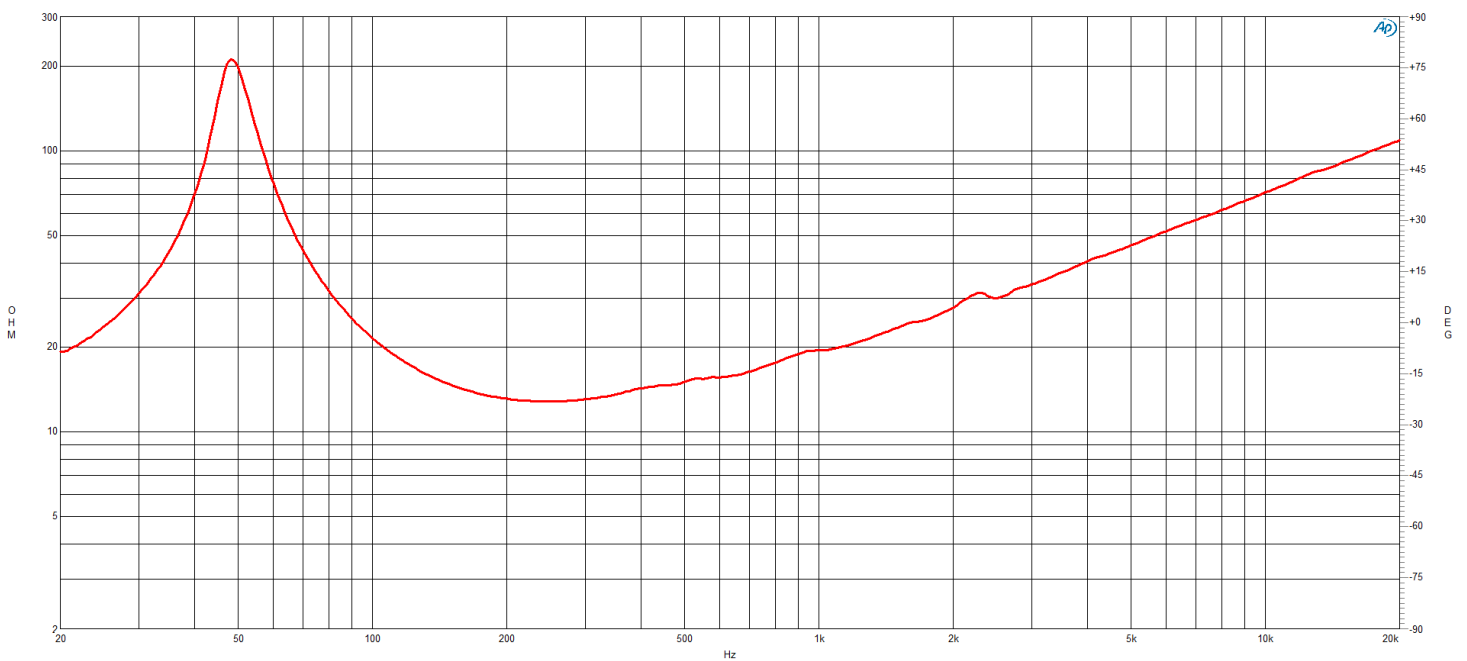
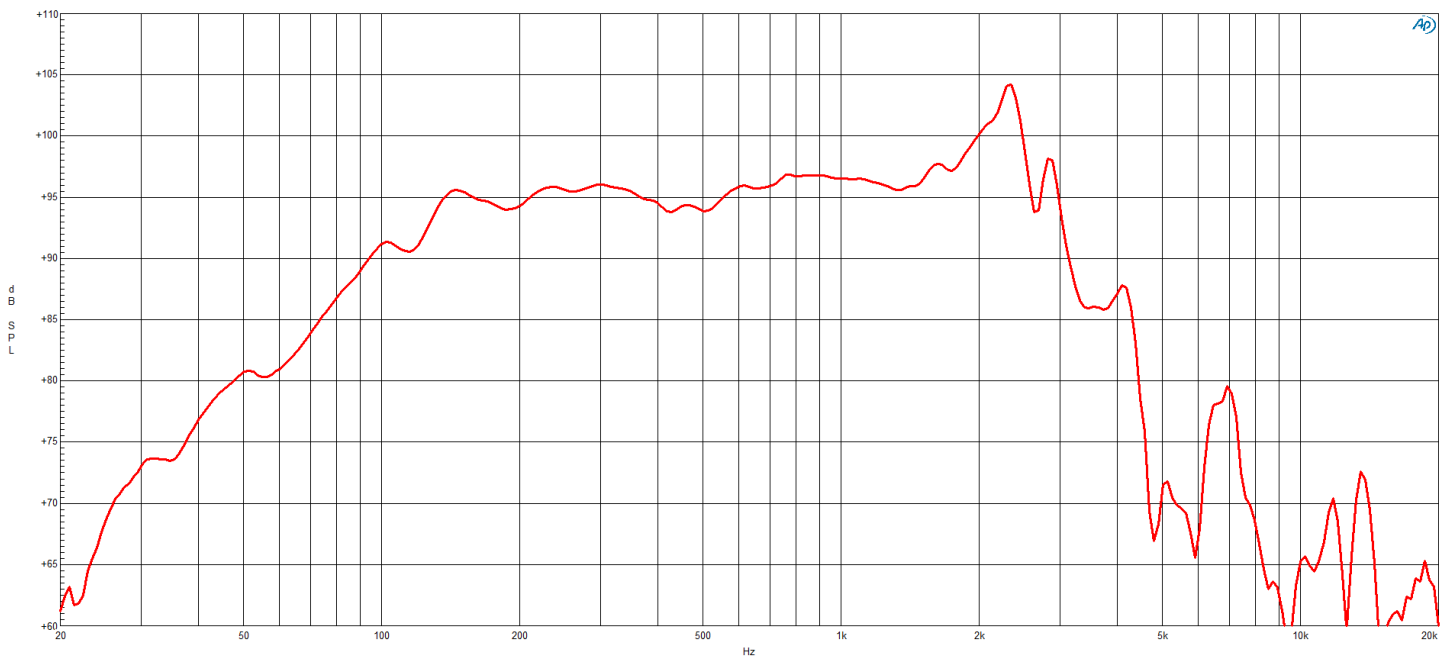
Surround Shape	Triple Roll
Cone Shape	Exponential
Magnet Material	Neodymium Inside Slug
Spider	Double Silicone
Pole Design	T-Pole
Woofers Cone Treatment	WP Waterproof Front Side
Recommended Enclosure	40 dm³ (1.41 ft³)
Recommended Tuning	65 Hz

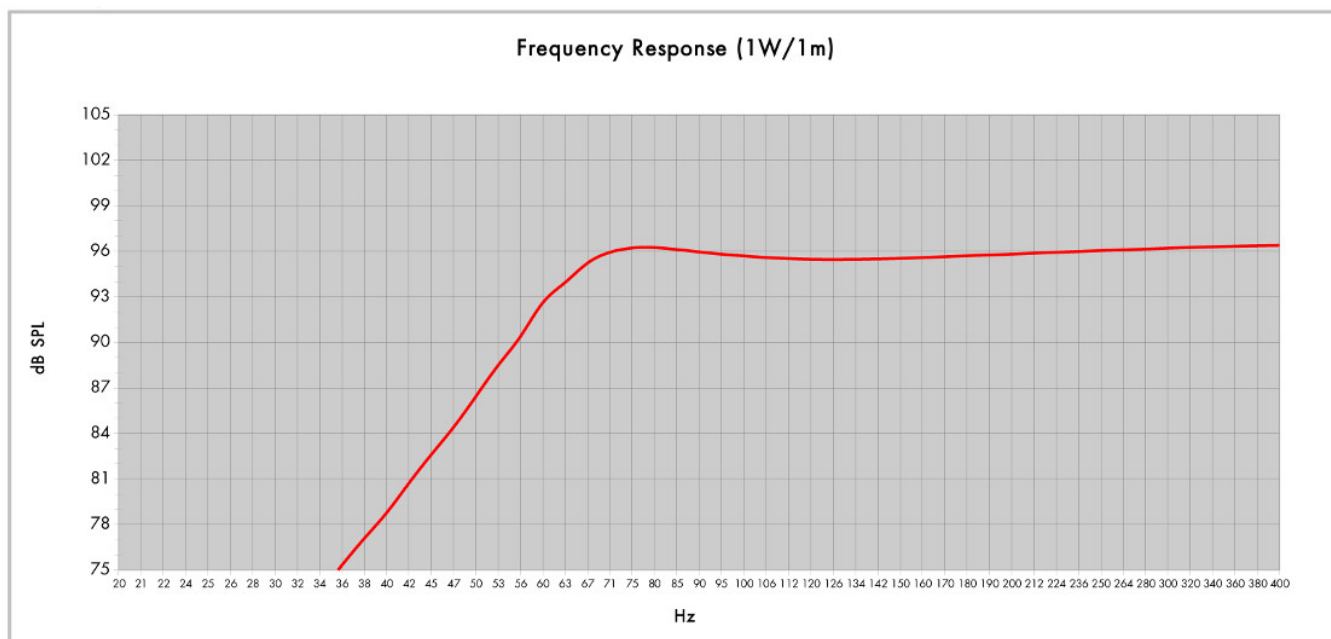
MOUNTING AND SHIPPING INFO

Overall Diameter	315 mm (12.4 in)
Bolt Circle Diameter	298 mm (11.73 in)
Baffle Cutout Diameter	282 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 dm³ (0.08 ft³)
Net Weight	4.95 kg (10.91 lb)
Shipping Units	1 pcs
Shipping Weight	5.85 kg (12.9 lb)
Shipping Box	360x360x200 mm (14.17x14.17x7.87 in)

SERVICE KITS

LF recone-kits	RCK12NDL8816
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Model:	12NDL88	Configuration:	One Driver
Enclosure Type:	Bass Reflex		
Internal Net Volume (Litres):	40	QB:	6
Tuning Frequency (Hz):	65	Port Area (cm ²):	144,7
Frequency (-3 dB) (Hz):	62,4	Port Length (cm):	13,9
Frequency (-10 dB) (Hz):	50,4		

