

14NDL88 16 Ω**Woofer**

- 1400 W continuous program power capacity
- 88 mm (3.5 in) aluminium voice coil
- 45 - 3500 Hz response
- 98 dB sensitivity
- Ventilated voice coil gap for reduced power compression
- Aluminium demodulating ring allows a very low distortion figure
- Double silicone spider for optimized compliance

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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Woofer

SPECIFICATIONS

Nominal Diameter	359 mm (14 in)
Nominal Impedance	16 Ω
Minimum Impedance	12.5 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	98 dB
Applied RMS Voltage is set to 4 V for 16 ohm Nominal Impedance.	
Frequency Range	45 Hz - 3500 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
Woofer Cone Treatment	WP Waterproof Front Side

PARAMETERS

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

Fs	44 Hz
Re	11 Ω
Qes	0.39
Qms	10.6
Qts	0.37
Vas	115 dm³ (4.06 ft³)
Sd	707 cm² (109.59 in²)
η ₀	2.45 %
X _{max}	7.5 mm
X _{var}	9.5 mm
M _{ms}	79.5 g
Bl	25 Tm
Le	2.05 mH
EBP	113 Hz

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	75 dm³ (2.65 ft³)
Recommended Tuning	53 Hz

MOUNTING AND SHIPPING INFO

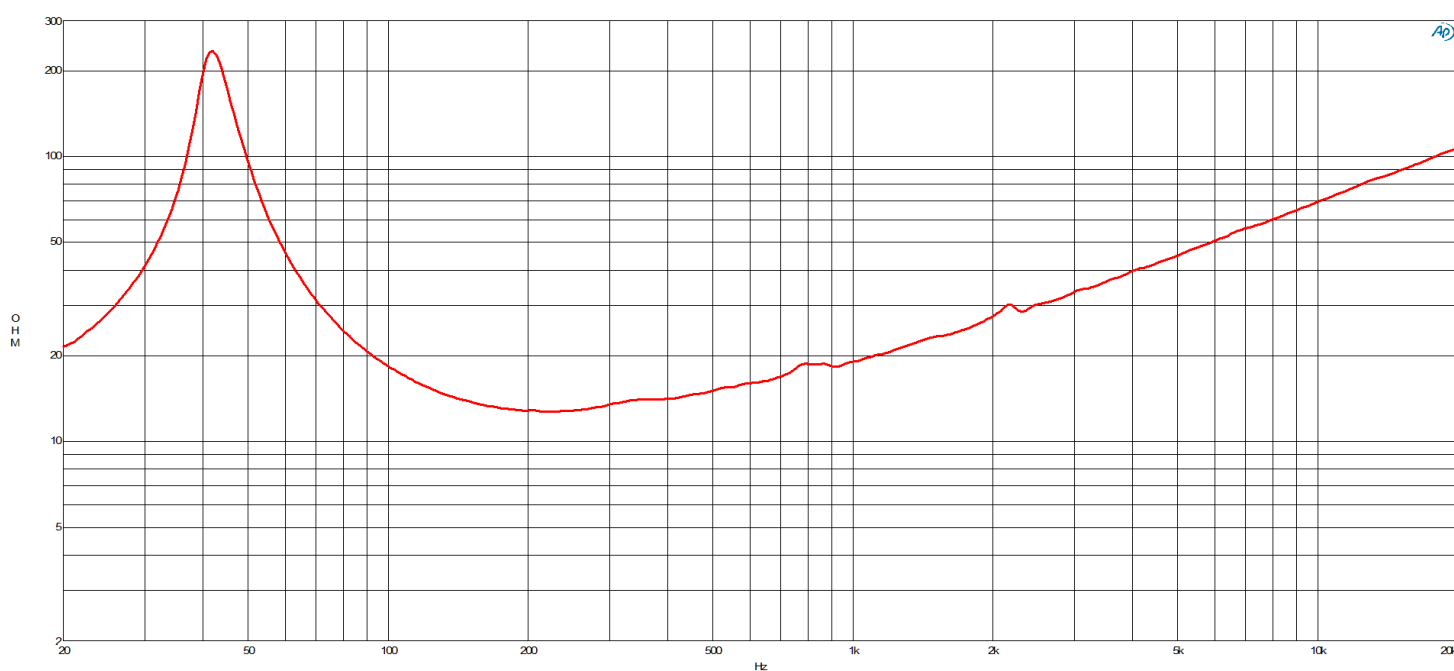
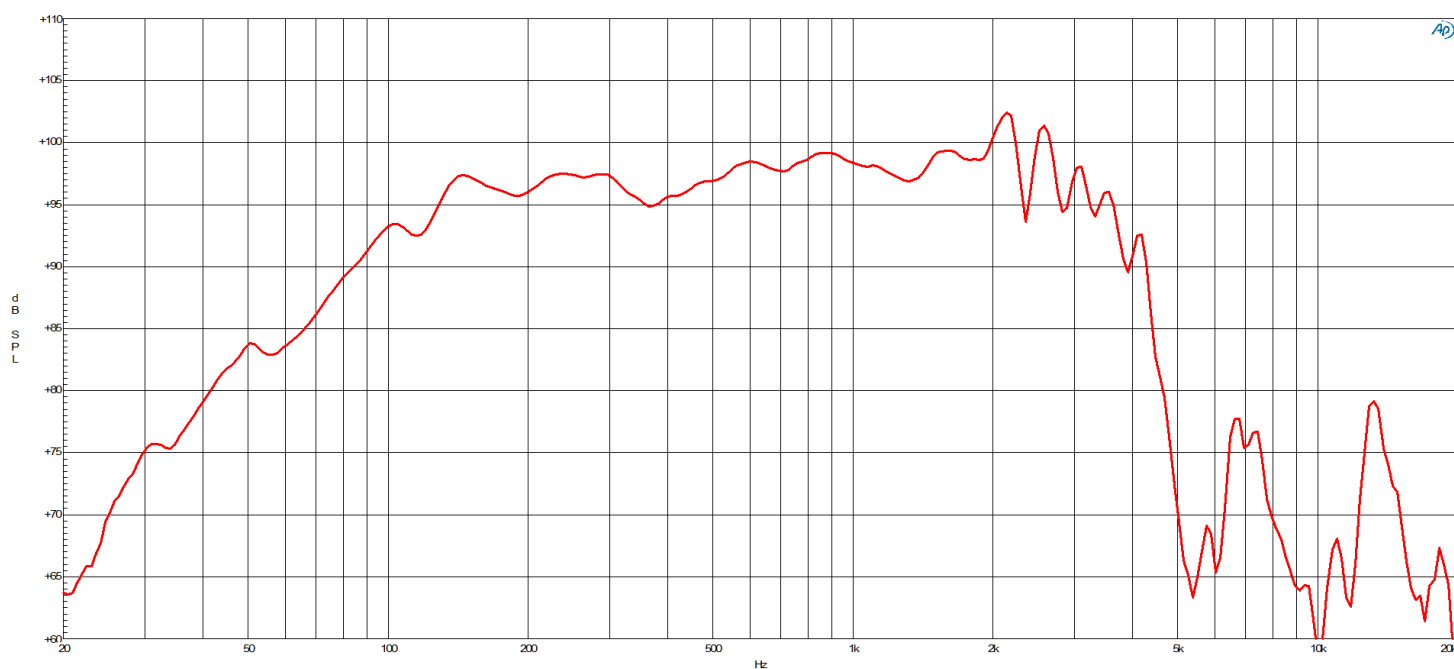
Overall Diameter	359 mm (14.13 in)
Bolt Circle Diameter	343 mm (13.5 in)
Baffle Cutout Diameter	323 mm (12.72 in)
Depth	167 mm (6.57 in)
Flange and Gasket Thickness	12 mm (0.47 in)
Air Volume Occupied by Driver	3.5 dm³ (0.12 ft³)
Net Weight	5.3 kg (11.68 lb)
Shipping Units	1 pcs
Shipping Weight	6.6 kg (14.55 lb)
Shipping Box	425x425x224 mm (16.73x16.73x8.82 in)

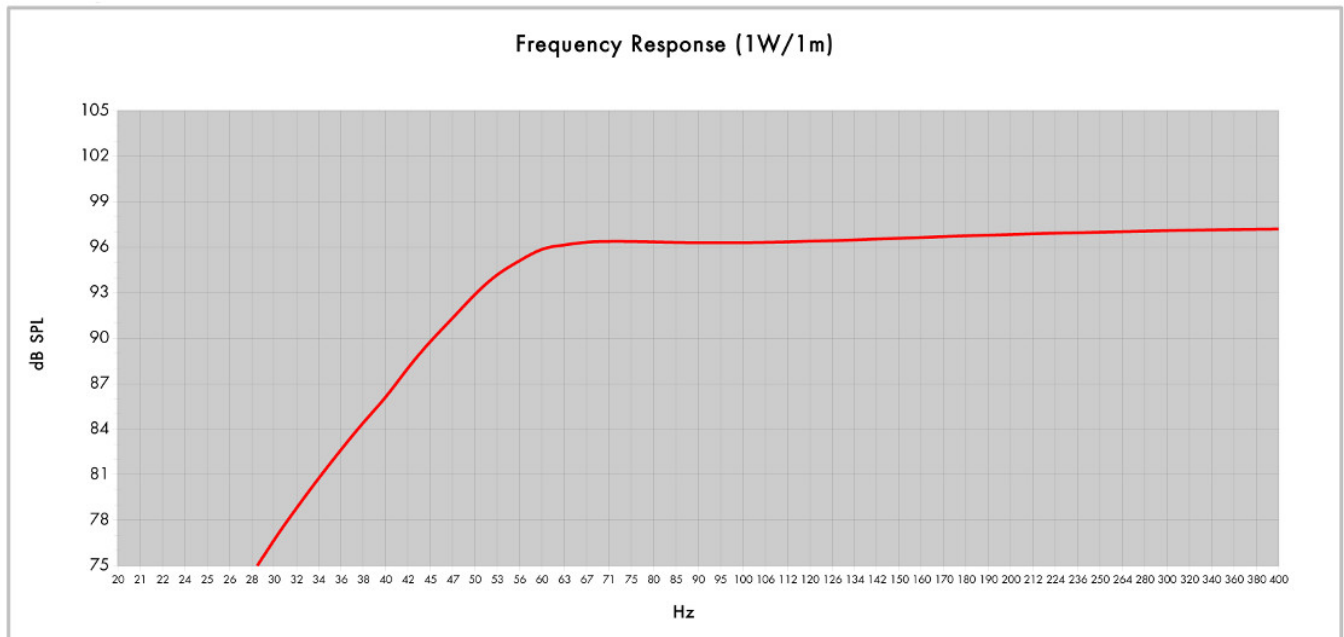
SERVICE KITS

LF recone-kits	RCK14NDL8816
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Model:	14NDL88	Configuration:	One Driver
Enclosure Type:	Bass Reflex		
Internal Net Volume (Litres):	75	QB:	6
Tuning Frequency (Hz):	53	Port Area (cm ²):	222,3
Frequency (-3 dB) (Hz):	53,6	Port Length (cm):	17,0
Frequency (-10 dB) (Hz):	41,6		

