

10NW76 16 Ω

Woofer

- 800 W continuous program power capacity
- 76 mm (3 in) copper clad aluminum wire voice coil
- 65 - 3500 Hz response
- 96.8 dB sensitivity
- Neodymium magnet allows a very light yet powerful motor assembly
- Aluminium demodulating ring for very low distortion
- Ventilated voice coil gap for reduced power

Over the last several years, B&C has pushed neodymium magnet woofer performance to the next level. The deep, 3" (76mm) diameter voice coil utilized in the 10NW76 provides increased power handling and more overall output. A proven B&C suspension system combines a triple roll surround and single spider for superior, reliable Xmax and balanced output. An aluminium demodulation ring keeps distortion low, while the deeper, high power voice coil is cooled using a ventilated voice coil gap. Extreme performance and reliability, excellent value.



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SPECIFICATIONS

Nominal Diameter	250 mm (10 in)
Nominal Impedance	16 Ω
Minimum Impedance	12.3 Ω
Nominal Power Handling	400 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	800 W
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	96.8 dB
Applied RMS Voltage is set to 4 V for 16 ohms Nominal Impedance	
Frequency Range	65 Hz - 3500 Hz
Voice Coil Diameter	76 mm (3 in)
Winding Material	CCAW
Former Material	Glass Fibre
Winding Depth	19 mm (0.75 in)
Magnetic Gap Depth	10 mm (0.39 in)
Flux Density	1.35 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	68 Hz
Re	10 Ω
Qes	0.3
Qms	8.7
Qts	0.29
Vas	18.5 dm³ (0.65 ft³)
Sd	320 cm² (49.6 in²)
η0	1.88 %
Xmax	7 mm
Xvar	7.5 mm
Mms	42.5 g
Bl	24.7 Tm
Le	0.58 mH
EBP	227 Hz

DESIGN

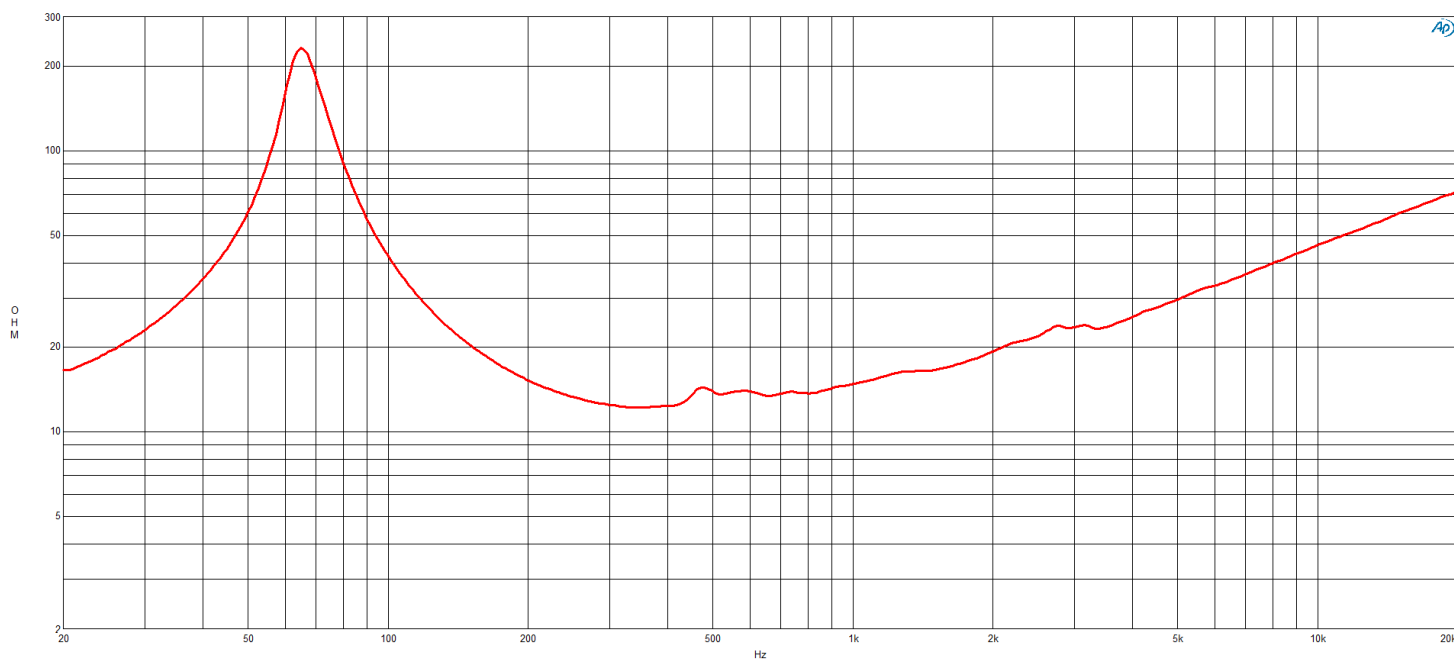
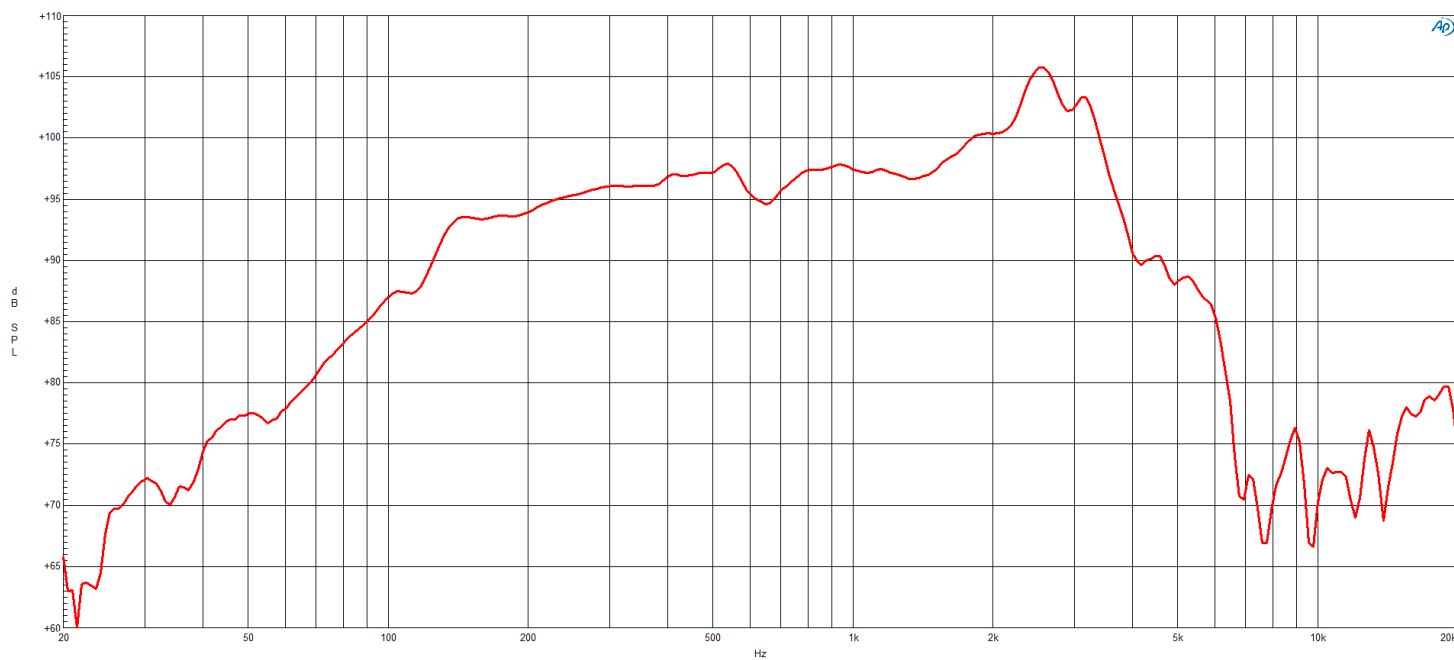
Surround Shape	Triple Roll
Cone Shape	Curvilinear
Magnet Material	Neodymium Ring
Spider	Single
Pole Design	T-Pole
Woofer Cone Treatment	WP Waterproof Front Side
Recommended Enclosure	26 dm³ (0.92 ft³)
Recommended Tuning	65 Hz

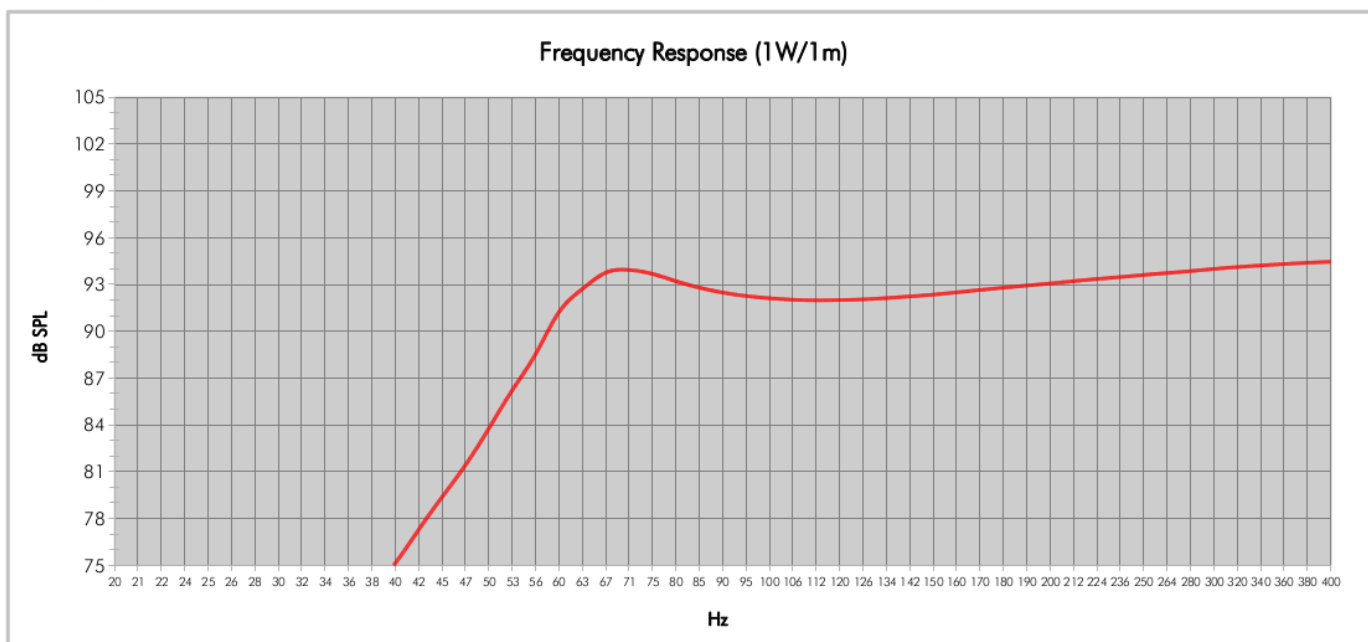
MOUNTING AND SHIPPING INFO

Overall Diameter	261 mm (10.28 in)
Bolt Circle Diameter	246 mm (9.69 in)
Baffle Cutout Diameter	233 mm (9.17 in)
Depth	119 mm (4.69 in)
Flange and Gasket Thickness	13 mm (0.51 in)
Air Volume Occupied by Driver	1.5 dm³ (0.05 ft³)
Net Weight	3.8 kg (8.38 lb)
Shipping Units	1 pcs
Shipping Weight	4.4 kg (9.7 lb)
Shipping Box	295x314x175 mm (11.61x12.36x6.89 in)

SERVICE KITS

LF recone-kits	RCK10NW7616
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Model:	10NW76	Configuration:	One Driver
Enclosure Type:	Bass Reflex		
Internal Net Volume (Litres):	26	QB:	7
Tuning Frequency (Hz):	65	Port Area (cm ²):	80,0
Frequency (-3 dB) (Hz):	62,0	Port Length (cm):	13,1
Frequency (-10 dB) (Hz):	51,8		