

# 10NW76

**16Ω****LF Drivers** - 10.0 Inches

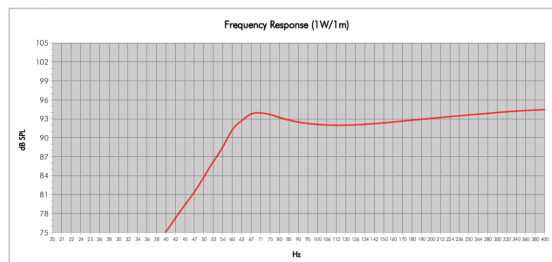
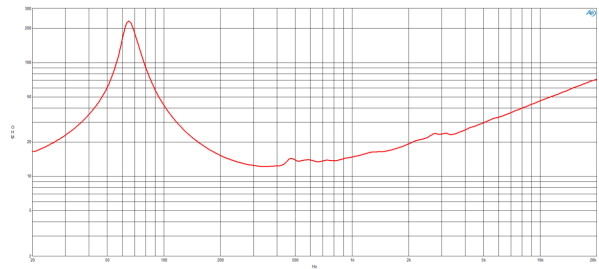
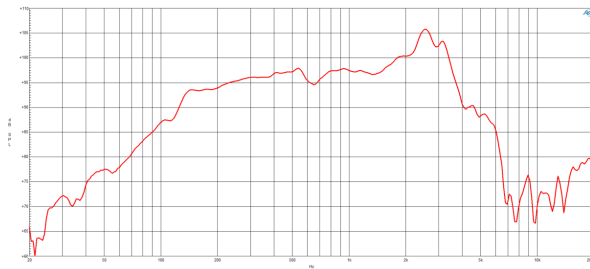
- 800 W continuous program power capacity
- 76 mm (3 in) copper clad aluminum wire voice coil
- 65 - 3500 Hz response
- 96.8 dB sensitivity
- Neodymium magnet allows a very light yet powerful motor assembly
- Aluminium demodulating ring for very low distortion
- Ventilated voice coil gap for reduced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

# 10NW76

LF Drivers- 10.0 Inches



Model: 10NW76  
 Enclosure Type: Bass Reflex Configuration: One Driver  
 Internal Net Volume (liters): 26 Q<sub>ts</sub>: 7  
 Tuning Frequency (Hz): 65 Port Area (cm<sup>2</sup>): 80.0  
 Frequency (-3 dB) (Hz): 62.2 Port Length (cm): 13.1  
 Frequency (-10 dB) (Hz): 51.8

## SPECIFICATIONS

Nominal Diameter	250 mm (10.0 in)
Nominal Impedance	16 Ω
Minimum Impedance	12.3 Ω
Nominal Power Handling <sup>1</sup>	400 W
Continuous power handling <sup>2</sup>	800 W
Sensitivity (1W/1m) <sup>3</sup>	96.8 dB
Frequency Range	65 - 3500 Hz
Voice Coil Diameter	76 mm (3.0 in)
Winding Material	CCAW
Former Material	Glass Fibre
Winding Depth	19.0 mm (0.75 in)
Magnetic Gap Depth	10.0 mm (0.39 in)
Flux Density	1.35 T

## 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	26.0 dm <sup>3</sup> (0.92 ft <sup>3</sup> )
Recommended Tuning	65 Hz

## PARAMETERS<sup>4</sup>

Resonance Frequency	68 Hz
Re	10.0 Ω
Qes	0.3
Qms	8.7
Qts	0.29
Vas	18.5 dm <sup>3</sup> (0.65 ft <sup>3</sup> )
Sd	320.0 cm <sup>2</sup> (49.6 in <sup>2</sup> )
η <sub>o</sub>	1.88 %
X <sub>max</sub>	± 7.0 mm
X <sub>var</sub>	± 7.5 mm
M <sub>ms</sub>	42.5 g
Bl	24.7 Txm
Le	0.58 mH
EBP	226 Hz

## MOUNTING AND SHIPPING INFO

Overall Diameter	261 mm (10.28 in)
Bolt Circle Diameter	246 mm (9.69 in)
Baffle Cutout Diameter	233.0 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 dm <sup>3</sup> (0.05 ft <sup>3</sup> )
Net Weight	3.8 kg (8.38 lb)
Shipping Units	1
Shipping Weight	4.4 kg (9.7 lb)
Shipping Box	295x314x175 mm (11.61x12.36x6.89 in)

## SERVICE KIT

Recone kit	RCK10NW7616
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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.