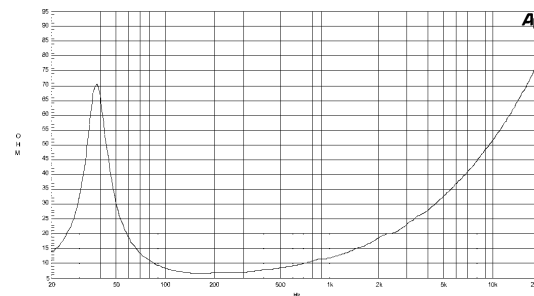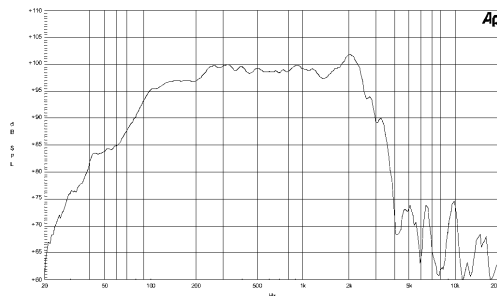**B&C SPEAKERS**

15 HPL 76 | Woofer

Very high efficiency 15" woofer using a FEA computer designed high energy Neodymium magnet assembly, extremely lightweight (only 3.5 kg). The aluminium basket is designed to effectively dissipate heat during demanding use at full power, reducing power compression. Very flat response up to 2 kHz. Recommended for compact two or three-way systems where power is limited to 700W.

Specifications

Nominal Diameter	380 mm (15 in)
Nominal Impedance	8 Ω
Minumum Impedance	6.5 Ω
Power Handling (50-500 Hz)	
Nominal[1]	350 W
Continuous Program[2]	700 W
Sensitivity (1W/1m)[3]	99.5 dB
Frequency Range	40 – 2000 Hz
Voice Coil Diameter	76 mm (3 in)
Winding Material	Copper
Former Material	Glass Fibre
Winding Depth	16 mm (17/32 in)
Magnetic Gap Depth	10 mm (5/16 in)
Flux Density	1.15 T

Also available in 4 Ω, data upon request

Thiele & Small Parameters[4]

Fs	39 Hz
Re	5.4 Ω
Qes	0.32
Qms	4.0
Qts	0.29
Vas	194 dm^3 (6.9 ft^3)
Sd	855 cm^2 (132.5 in^2)
η_0	3.5%
X max	± 4 mm
X Var	± 4.5 mm
Mms	88 g
Bl	19.2 T·m
Le	1.7 mH

Mounting and Shipping Information

Overall Diameter	394 mm (15.5 in)
Bolt Circle Diameter	374 mm (14.7 in)
Baffle Cutout Diameter	355 mm (14 in)
Depth	171 mm (6.7 in)
Flange and Gasket Thickness	12.5 mm (0.5 in)
Net weight	3.5 kg (7.7 lb)
Shipping Weight	4.9 kg (10.8 lb)
Shipping Box	450x450x200 mm (17.7x17.7x7.9 in)

[1] 2 hours test made with continuous pink noise signal (6 dB crest factor) within the specified frequency range. Power calculated on rated minimum impedance. Loudspeaker mounted in 110 liters (3.9 cu.ft.) bass-reflex box, tuned at 45 Hz.
[2] Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
[3] Applied RMS Voltage is set to 2.83V for 8 ohms Nominal Impedance. Average SPL from 200 to 2000 Hz.
[4] Thiele-Small parameters are measured after a high level 20 Hz sine wave pre-conditioning test.