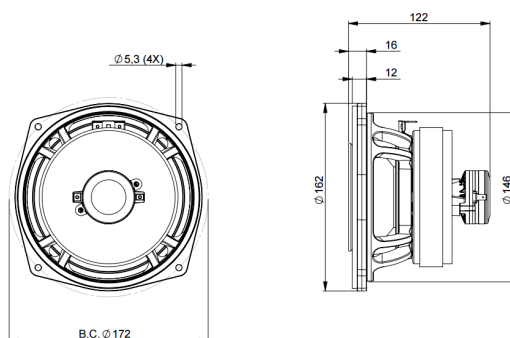


# 6FHX51

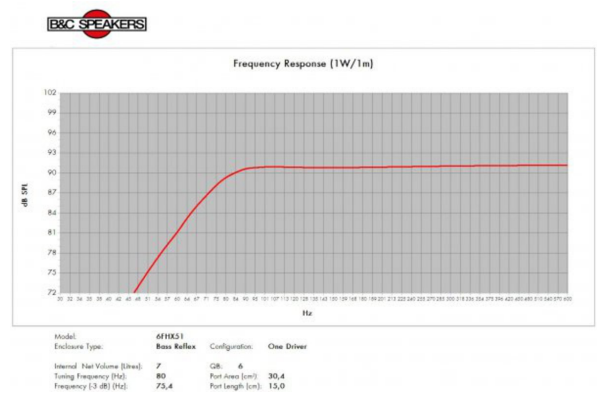
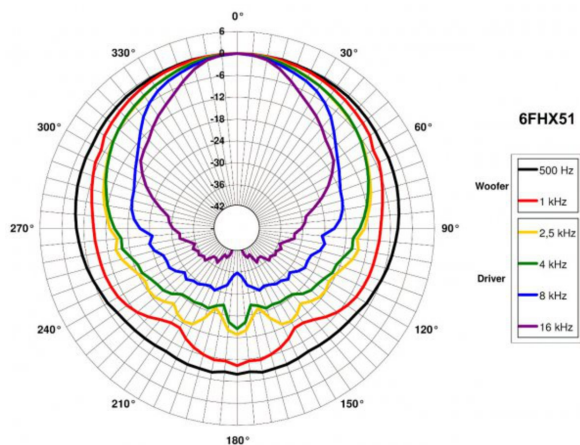
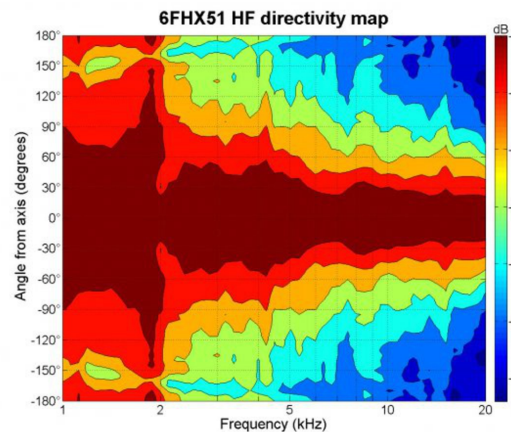
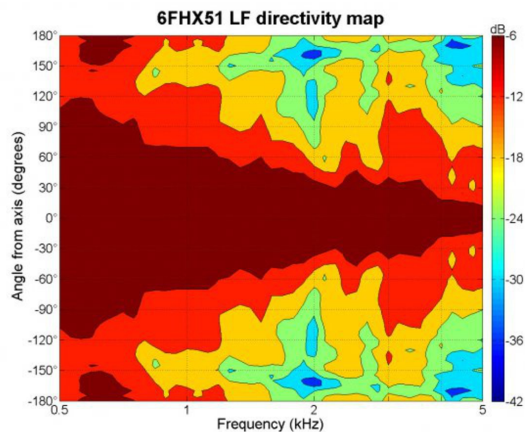
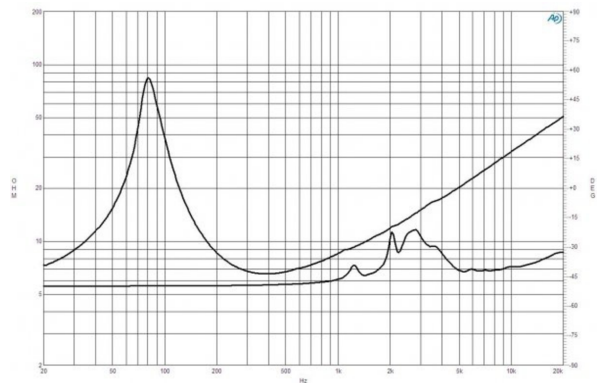
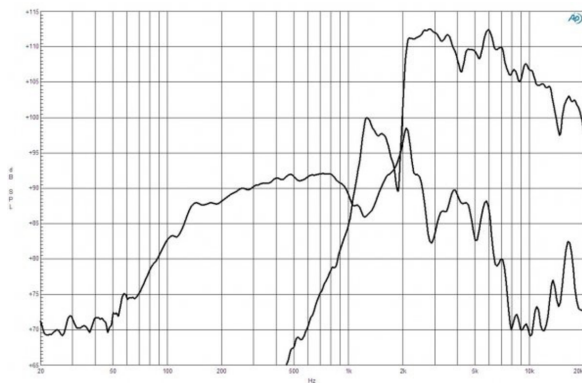
**8Ω****Coaxials** - 6.5 Inches

- 300 W continuous program power capacity
- 70° nominal coverage
- 85 - 18000 Hz response
- 93 dB sensitivity
- 20.1 mm (0.79") HF unit exit diameter



# 6FHX51

Coaxials- 6.5 Inches



## SPECIFICATIONS

Nominal Diameter	170 mm (6.5 in)
Nominal Impedance	8 $\Omega$
Minimum Impedance LF	6.5 $\Omega$
Minimum Impedance HF	7.0 $\Omega$
Frequency Range	85 - 18000 Hz
Dispersion Angle <sup>1</sup>	70 °
Woofer Cone Treatment	WP Waterproof Front Side
Magnet Material	Ferrite (LF) - Neodym. Ring (HF)

## SPECIFICATIONS LF UNIT

LF Sensitivity <sup>2</sup>	93.0 dB
LF Nominal Power Handling <sup>3</sup>	150 W
LF Continuous Power Handling <sup>4</sup>	300 W
LF Voice Coil Diameter	51 mm (2.0 in)
LF Winding Material	Copper
LF Flux Density	1.05 T
Former Material	Kapton
Winding Depth	13.0 mm (0.51 in)
Magnetic Gap Depth	6.0 mm (0.24 in)

## SPECIFICATIONS HF UNIT

HF Sensitivity <sup>5</sup>	108.5 dB
HF Nominal Power Handling <sup>6</sup>	10 W
HF Continuous Power Handling <sup>7</sup>	20 W
HF Voice Coil Diameter	25 mm (1.0 in)
HF Winding Material	Aluminium
HF Flux Density	1.65 T
Diaphragm Material	Polyester
Recommended Crossover <sup>8</sup>	2.5 kHz
Inductance	0.1 mH

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

PARAMETERS		MOUNTING AND SHIPPING INFO		SERVICE KIT	
Resonance Frequency	85 Hz	Overall Diameter	187 mm (7.4 in)	LF recone kit	RCK06FHX518
Re	5.5 $\Omega$	Bolt Circle Diameter	172 mm (6.7 in)	MF replacement diaphragm	MMDDE58
Qes	0.4	Baffle Cutout Diameter	146 mm (5.75 in)		
Qms	7.8	Depth	122 mm (4.8 in)		
Qts	0.37	Flange and Gasket Thickness	12 mm (0.47 in)		
Vas	5.0 dm <sup>3</sup> (0.18 ft <sup>3</sup> )	Net Weight	2.7 kg (5.9 lb)		
Sd	132.0 cm <sup>2</sup> (20.5 in <sup>2</sup> )	Shipping Units	1		
$\eta_o$	0.83 %	Shipping Weight	3.15 kg (6.94 lb)		
Xmax	$\pm$ 5.0 mm	Shipping Box	255x255x150 mm (10.04x10.04x5.91 in)		
Xvar	$\pm$ 5.7 mm				
Mms	16.0 g				
Bl	11.3 Txm				
Le	1.0 mH				
EBP	212 Hz				

1. Included by -6 dB down points.
2. Applied RMS Voltage is set to 2.83V.
3. 2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.
4. Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
5. Applied RMS Voltage is set to 2.83V.
6. 2 hour test made with continuous pink noise signal within the range from the recommended crossover frequency to 20 kHz. Power calculated on rated minimum impedance. Loudspeaker in free air.
7. Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
8. 12 dB/oct. or higher slope high-pass filter.