

6HCX51 8 Ω

- 300 W continuous program power capacity
- 70° nominal coverage
- 90 - 18000 Hz response
- 92 dB sensitivity
- Single Neodymium magnet assembly
- 20.1 mm (0.79") HF unit exit diameter



6HCX51 8 Ω

GENERAL

Nominal Diameter	170 mm (6.5 in)
Nominal Impedance	8 Ω
Frequency Range	90 Hz - 18000 Hz
Dispersion Angle	70 °
Included by -6 dB down points.	

PARAMETERS

Fs	89 Hz
Re	5.2 Ω
Qes	0.4
Qms	7.5
Qts	0.38
Vas	5 dm³ (0.18 ft³)
Sd	132 cm² (20.5 in²)
η0	0.8 %
Xvar	5.5 mm
Mms	16 g
Bl	10.9 Tm
Le	0.8 mH
EBP	223 Hz

SPECIFICATIONS HF UNIT

Nominal Diameter	170 mm (6.5 in)
Nominal Impedance	8 Ω
Minimum Impedance	7.5 Ω
Nominal Power Handling	25 W
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.	
Continuous Power Handling	50 W
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	105 dB
Applied RMS Voltage is set to 2.83V.	
Recommended Crossover	2.2 kHz
12 dB/oct. or higher slope high-pass filter.	
Voice Coil Diameter	36 mm (1.4 in)
Winding Material	Aluminium
Inductance	0.06 mH
Flux Density	1.8 T
Diaphragm Material	Polyester

SPECIFICATIONS LF UNIT

Nominal Diameter	170 mm (6.5 in)
Nominal Impedance	8 Ω
Minimum Impedance	6 Ω
Nominal Power Handling	150 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	300 W
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	92 dB
Applied RMS Voltage is set to 2.83V.	
Voice Coil Diameter	51 mm (2 in)
Winding Material	Copper
Former Material	Kapton
Winding Depth	13 mm (0.51 in)
Magnetic Gap Depth	6 mm (0.24 in)
Flux Density	1.1 T
Woofer Cone Treatment	TWP Waterproof Both Sides

DESIGN

Magnet Material	Neodymium Ring
Woofer Cone Treatment	TWP Waterproof Both Sides

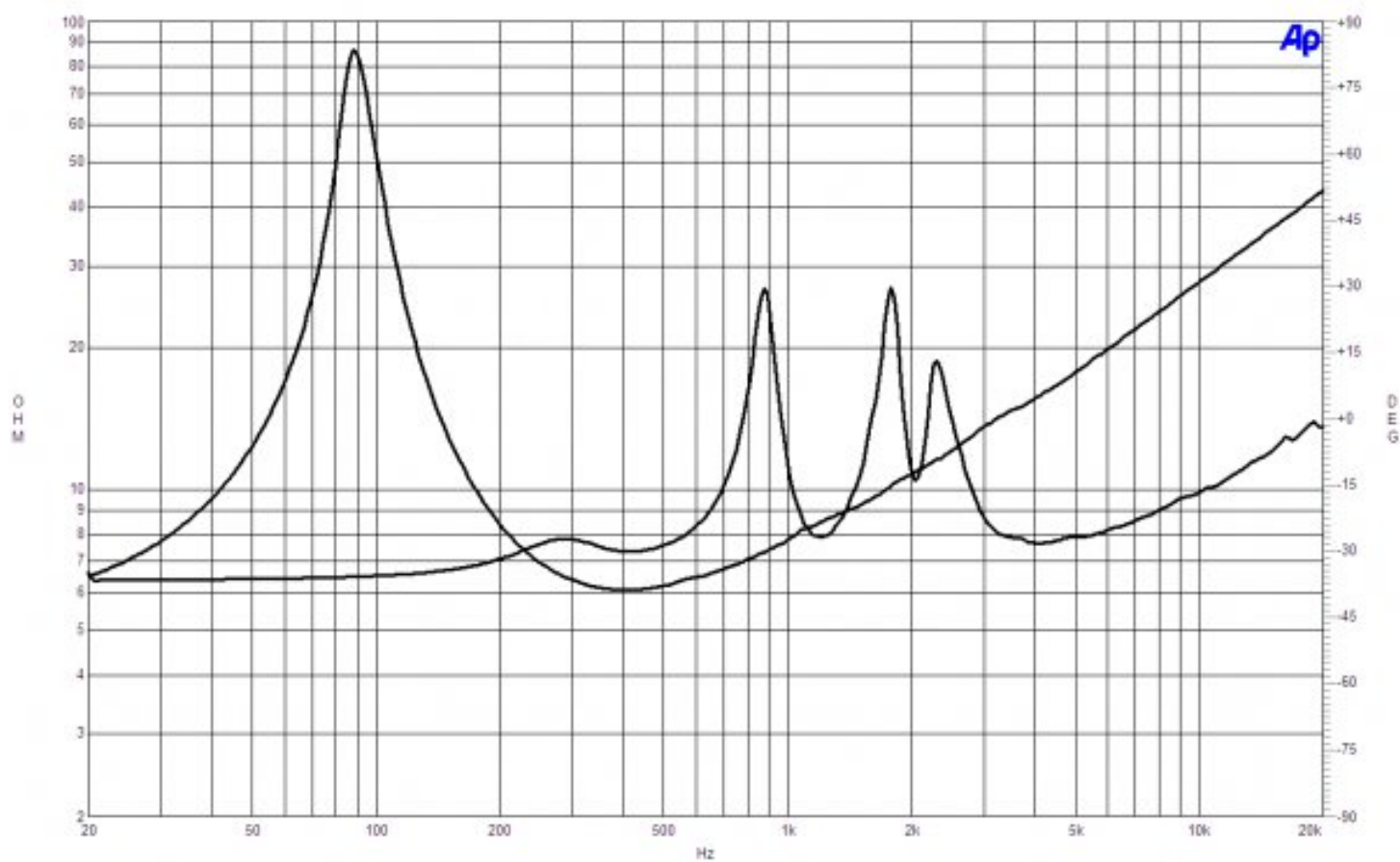
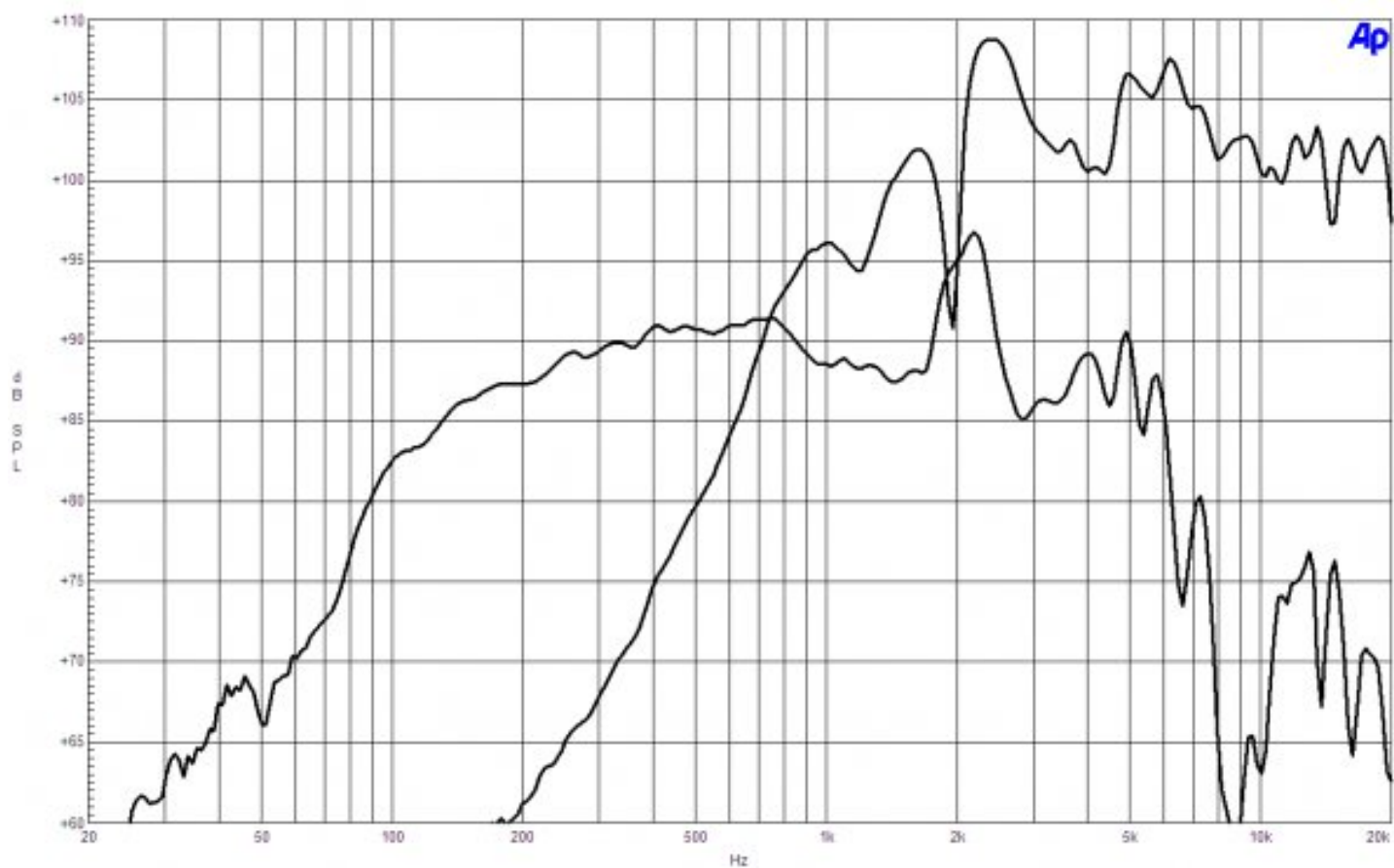
MOUNTING AND SHIPPING INFO

Overall Diameter	187 mm (7.4 in)
Bolt Circle Diameter	172 mm (6.7 in)
Baffle Cutout Diameter	146 mm (5.75 in)
Depth	104 mm (4.1 in)
Flange and Gasket Thickness	11 mm (0.4 in)
Net Weight	1.6 kg (3.53 lb)
Shipping Units	1 pcs
Shipping Weight	2.05 kg (4.52 lb)
Shipping Box	255x255x150 mm (10.04x10.04x5.91 in)

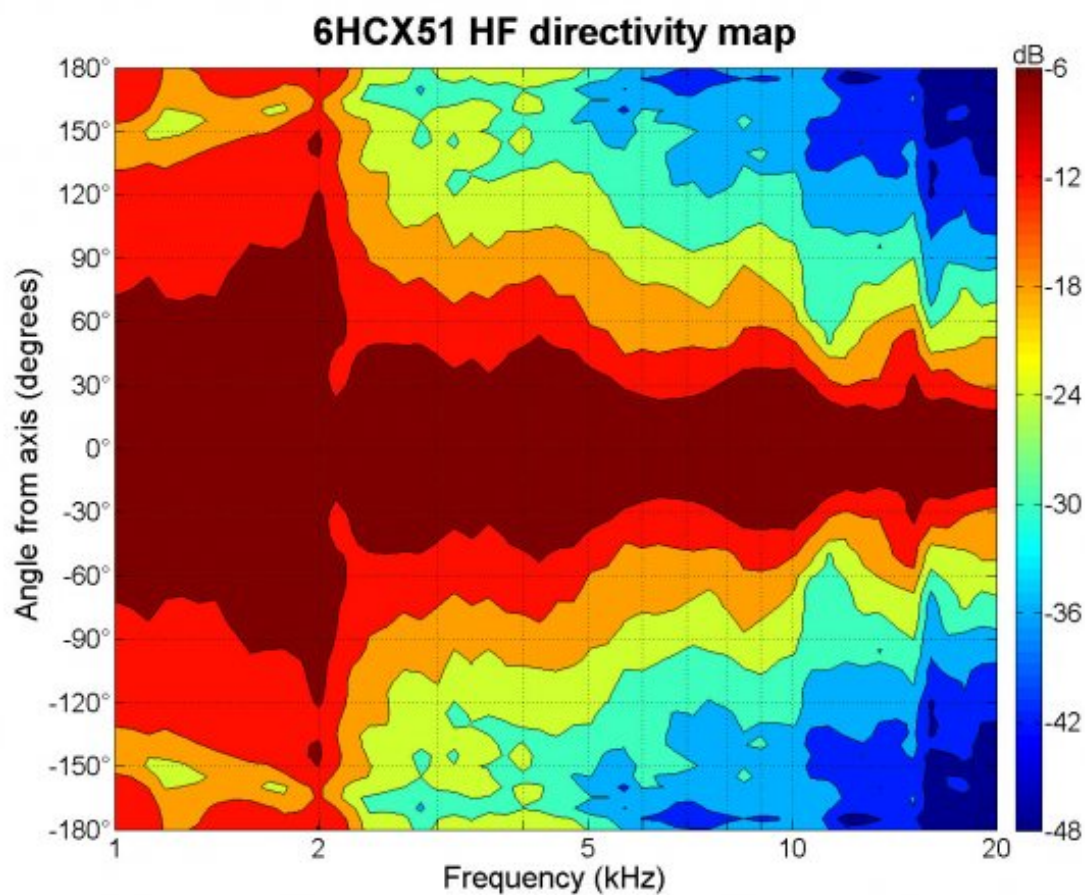
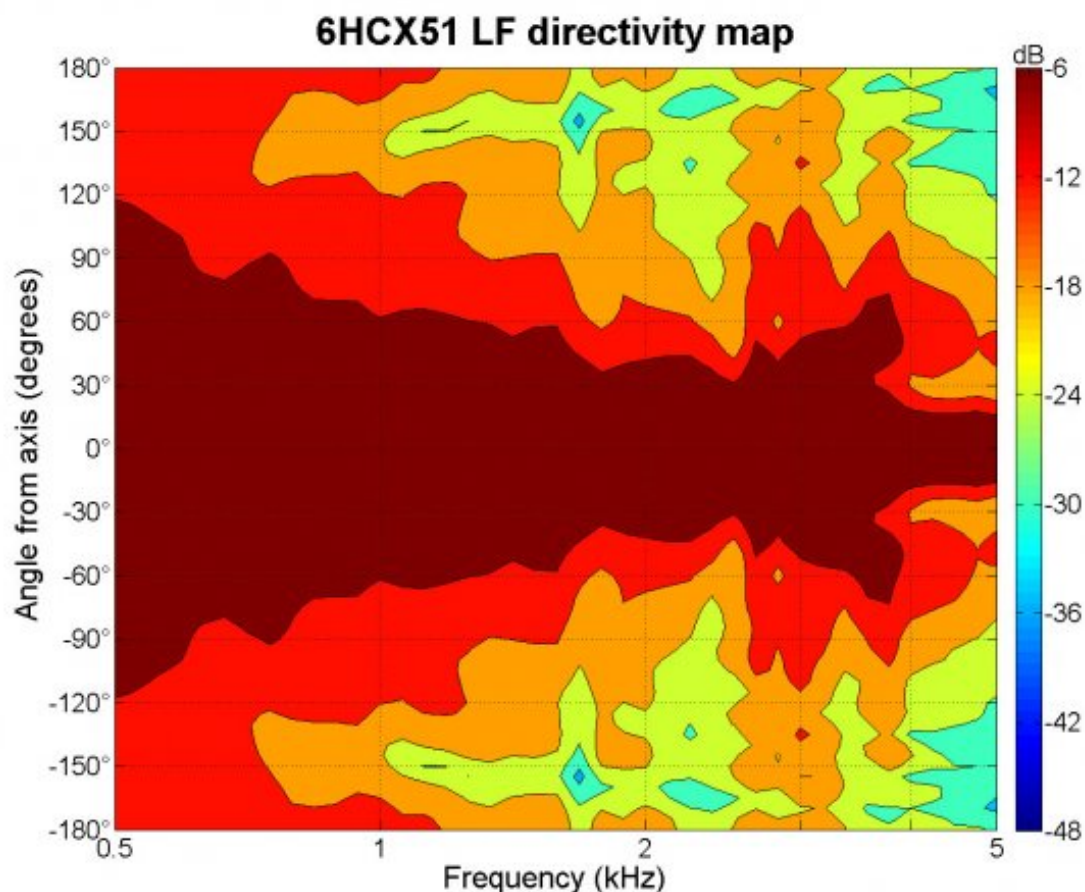
SERVICE KITS

HF replacement-diaphragm	MMD0128
LF recone-kits	RCK06HCX518

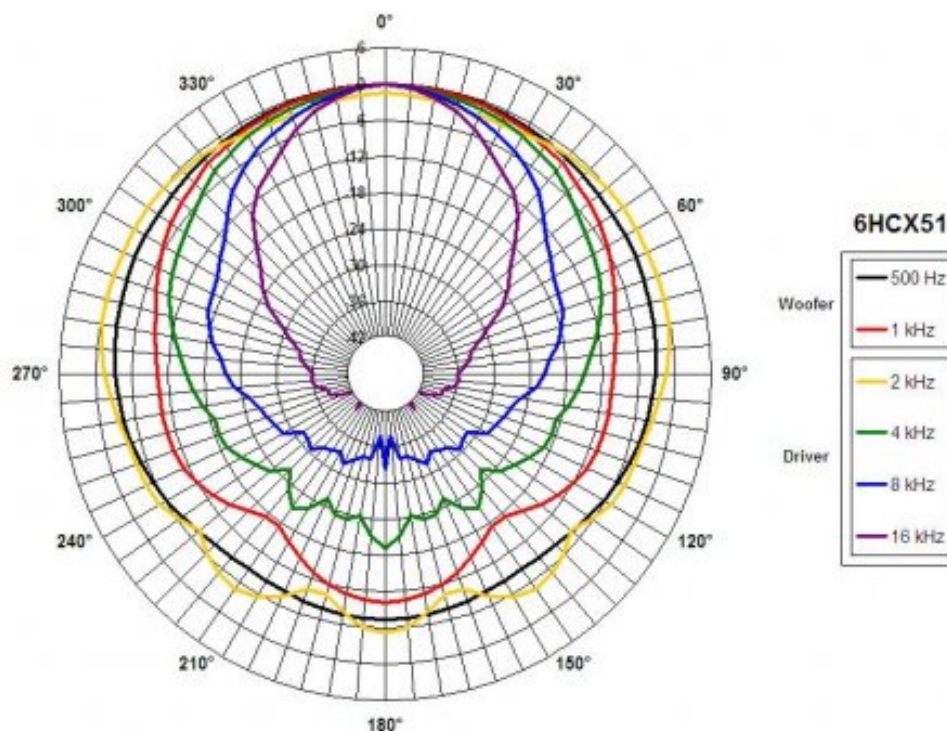
6HCX51 8 Ω



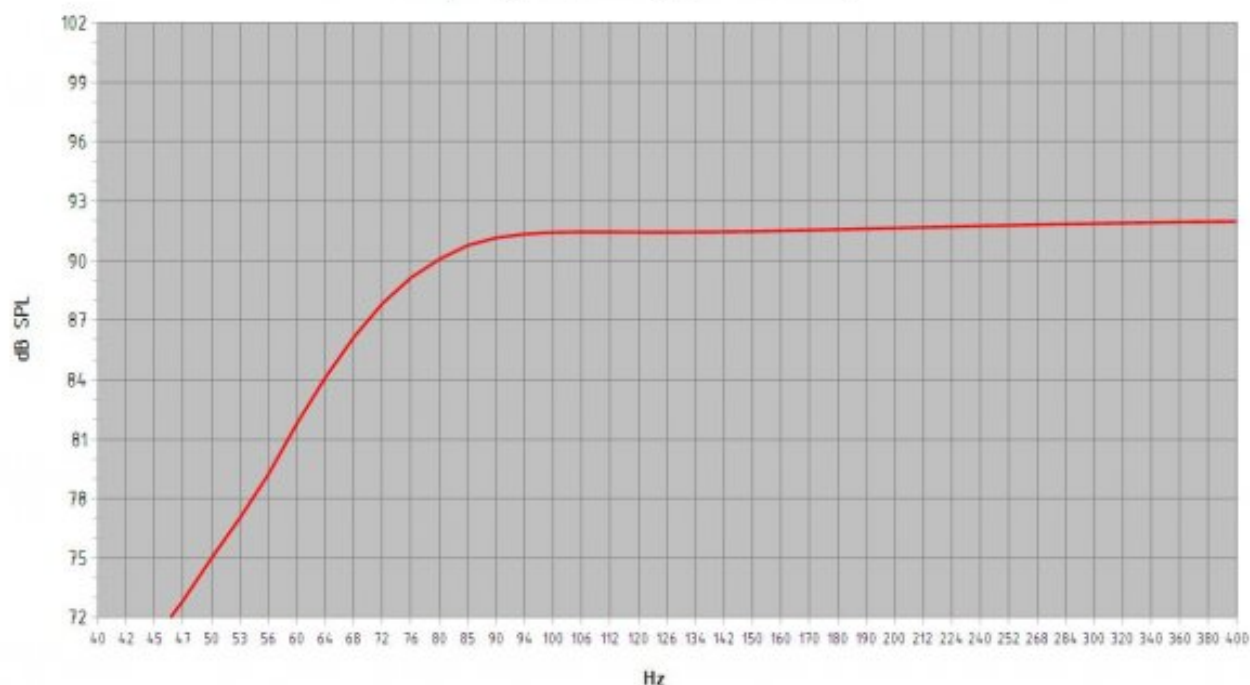
6HCX51 8 Ω



6HCX51 8 Ω



Frequency Response (2,83 Vrms/1 m)



Model: **6 HCX 51**
Enclosure Type: **Bass Reflex**

Internal Net Volume (Liters): **7**
Tuning Frequency (Hz): **80**
Frequency (-3 dB) (Hz): **76,0**

Port Area (cm²): **30,4**
Port Length (cm): **15,0**

Excursion Limited Maximum SPL at 1 meter (dB): **109,7** equal to **75,6** Watts (Bass Band Power Rating)
Thermal Limited Maximum SPL at 1 meter (dB): **112,7** equal to **150,0** Watts (Mid Band Power Rating)



Professional loudspeaker transducers since 1946

B&C Speakers S.p.A. Via Poggioromo, 1 - Loc. Vallina, 50012 Bagno a Ripoli (FI) | ITALY
Tel. +39 055 65721 | Fax +39 055 6572312 | mail@bcspeakers.com

6HCX51 8 Ω

