8FCX51 8 Ω

- 500 W continuous program power capacity
- 100° nominal coverage
- 70 - 18000 Hz response
- 96 dB sensitivity
- 20.1 mm (0.79”) HF unit exit diameter





B&C Speakers S.p.A. Via Poggiomoro, 1 - Loc. Vallina, 50012 Bagno a Ripoli (FI) | ITALY
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GENERAL

Nominal Diameter	**210 mm (8 in)**
Nominal Impedance	**8 Ω**
Frequency Range	**70 Hz - 18000 Hz**
Dispersion Angle Included by –6 dB down points.	**100 °**

PARAMETERS

Fs	**69 Hz**
Re	**4.9 Ω**
Qes	**0.36**
Qms	**6.3**
Qts	**0.34**
Vas	**16 dm³ (0.56 ft³)**
Sd	**220 cm² (34.1 in²)**
η0	**1.4 %**
Xvar	**6 mm**
Mms	**22 g**
Bl	**11.5 Tm**
Le	**0.9 mH**
EBP	**192 Hz**

SPECIFICATIONS HF UNIT

Nominal Diameter	**210 mm (8 in)**
Nominal Impedance	**8 Ω**
Minimum Impedance	**7 Ω**
Nominal Power Handling 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.	**50 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**100 W**
Sensitivity Applied RMS Voltage is set to 2.83V.	**104 dB**
Recommended Crossover 12 dB/oct. or higher slope high-pass filter.	**1.8 kHz**
Voice Coil Diameter	**44 mm (1.7 in)**
Winding Material	**Aluminium**
Inductance	**0.11 mH**
Flux Density	**1.8 T**
Diaphragm Material	**Polyimide**

SPECIFICATIONS LF UNIT

Nominal Diameter	**210 mm (8 in)**
Nominal Impedance	**8 Ω**
Minimum Impedance	**6 Ω**
Nominal Power Handling 2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.	**250 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**500 W**
Sensitivity Applied RMS Voltage is set to 2.83V.	**96 dB**
Voice Coil Diameter	**51 mm (2 in)**
Winding Material	**Aluminium**
Former Material	**Glass Fibre**
Winding Depth	**17.5 mm (0.69 in)**
Magnetic Gap Depth	**8 mm (0.31 in)**
Flux Density	**1 T**
Woofer Cone Treatment	**WP Waterproof Front Side**

DESIGN

Magnet Material	**Ferrite**
Woofer Cone Treatment	**WP Waterproof Front Side**

MOUNTING AND SHIPPING INFO

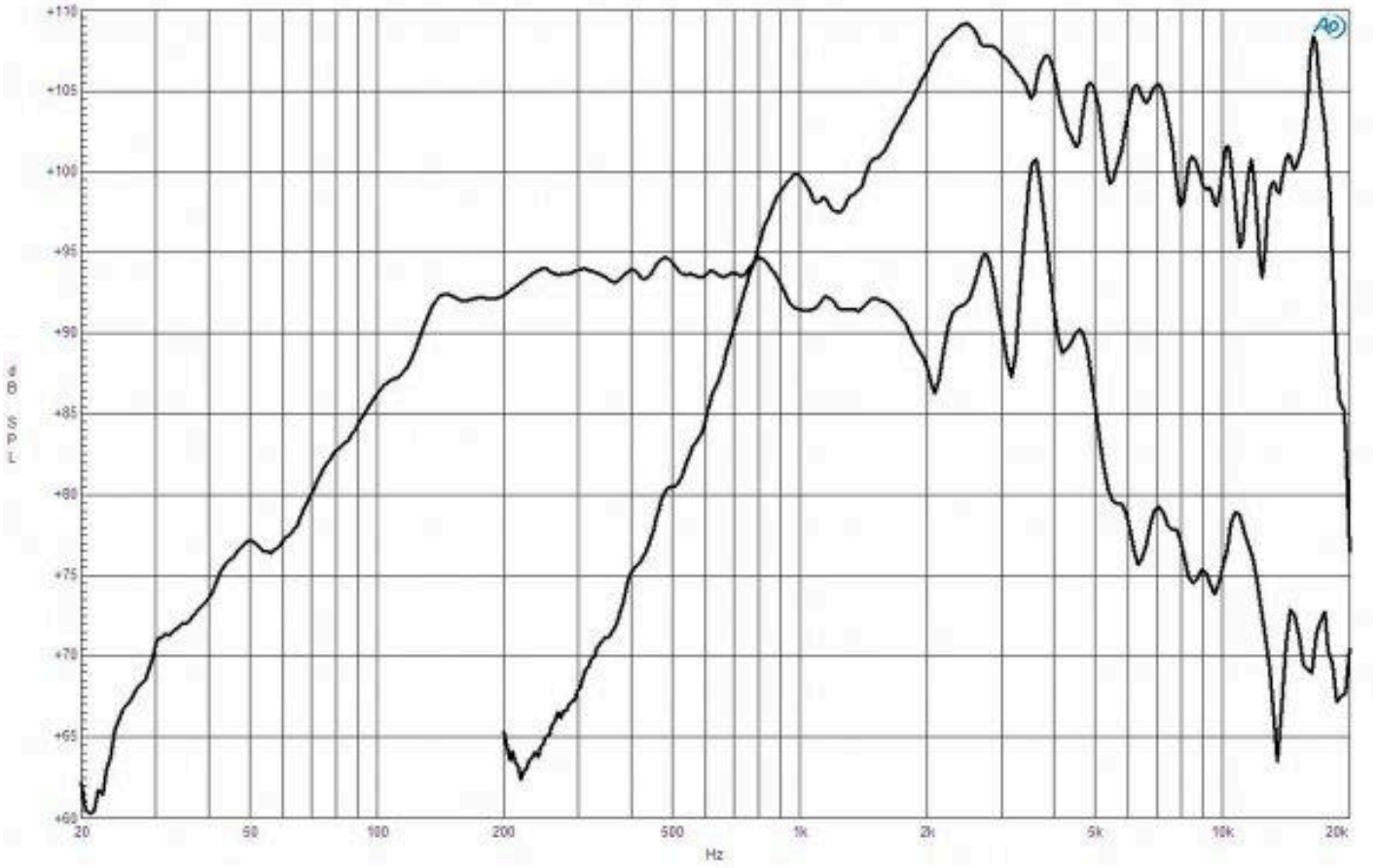
Overall Diameter	**225 mm (8.8 in)**
Bolt Circle Diameter	**210 mm (8.3 in)**
Baffle Cutout Diameter	**187 mm (7.4 in)**
Depth	**118 mm (4.64 in)**
Flange and Gasket Thickness	**10 mm (0.37 in)**
Net Weight	**5 kg (11.02 lb)**
Shipping Units	**1 pcs**
Shipping Weight	**5.6 kg (12.35 lb)**
Shipping Box	**295x314x175 mm (11.61x12.36x6.89 in)**

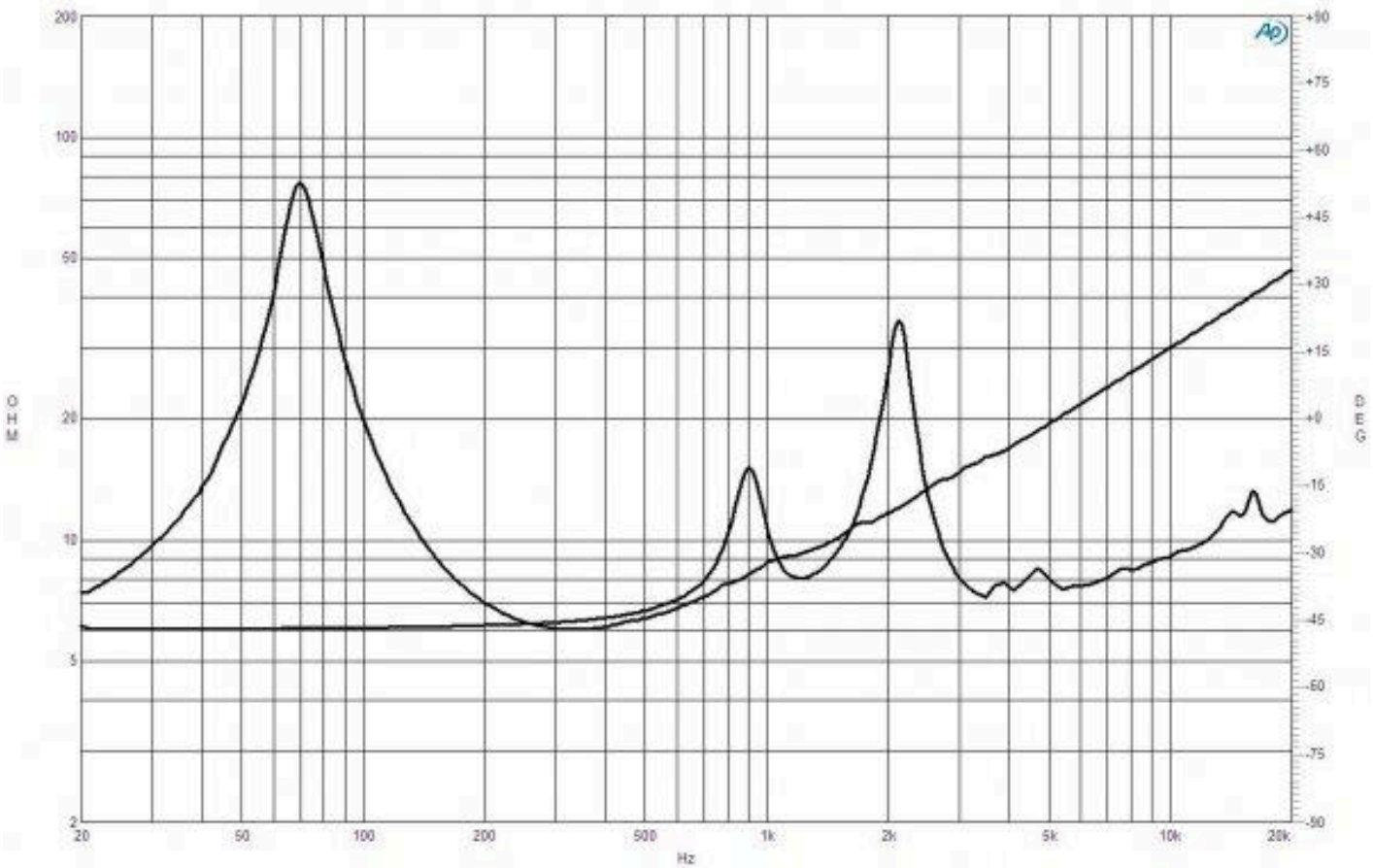
SERVICE KITS

HF replacement-diaphragm	**MMD4008**
LF recone-kits	**RCK008FCX518**

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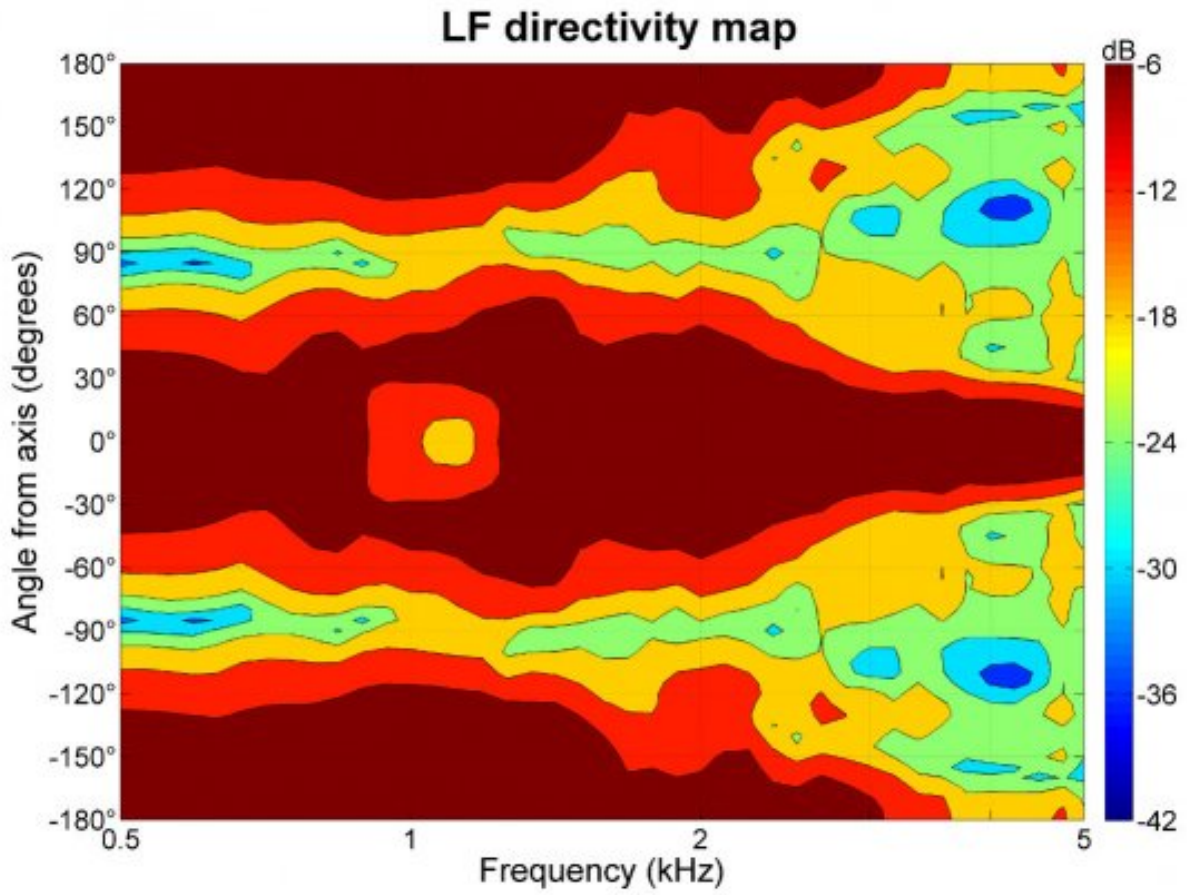
8FCX51 8 Ω

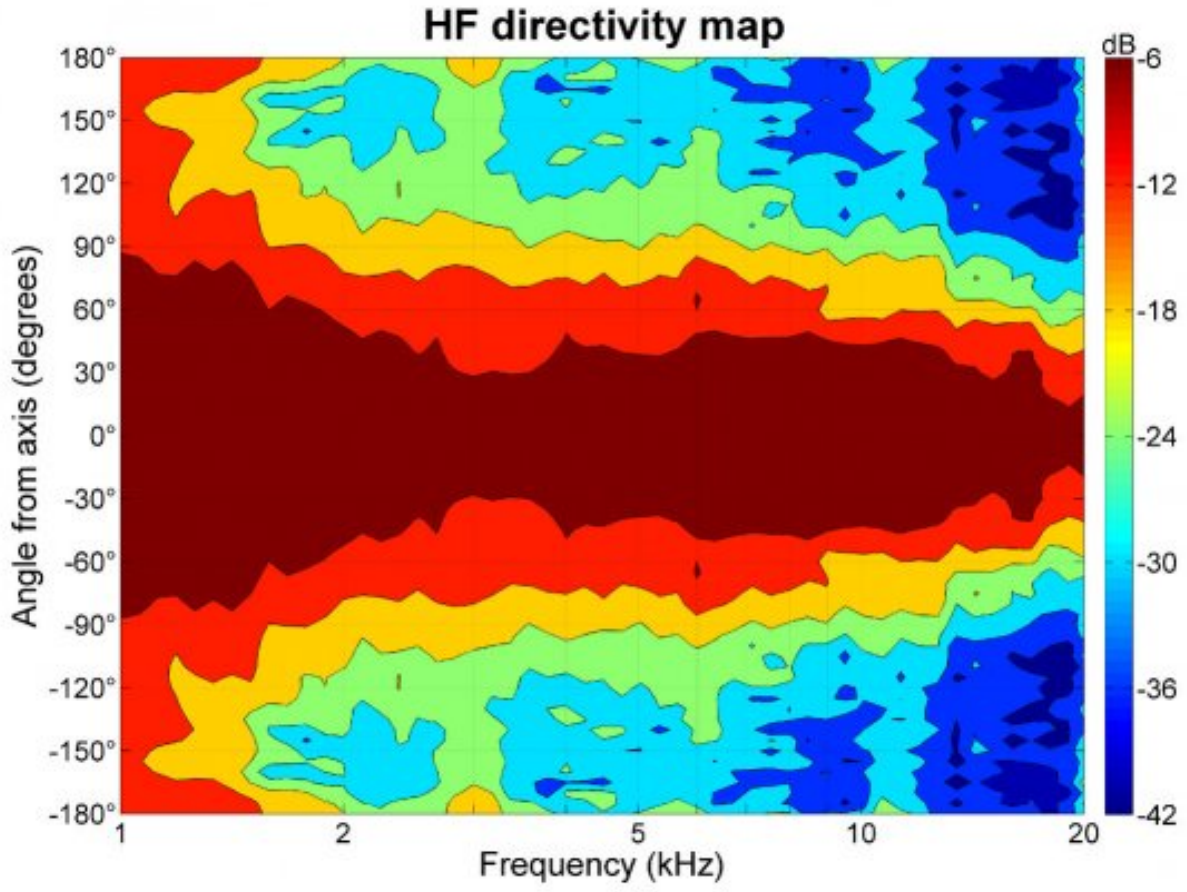




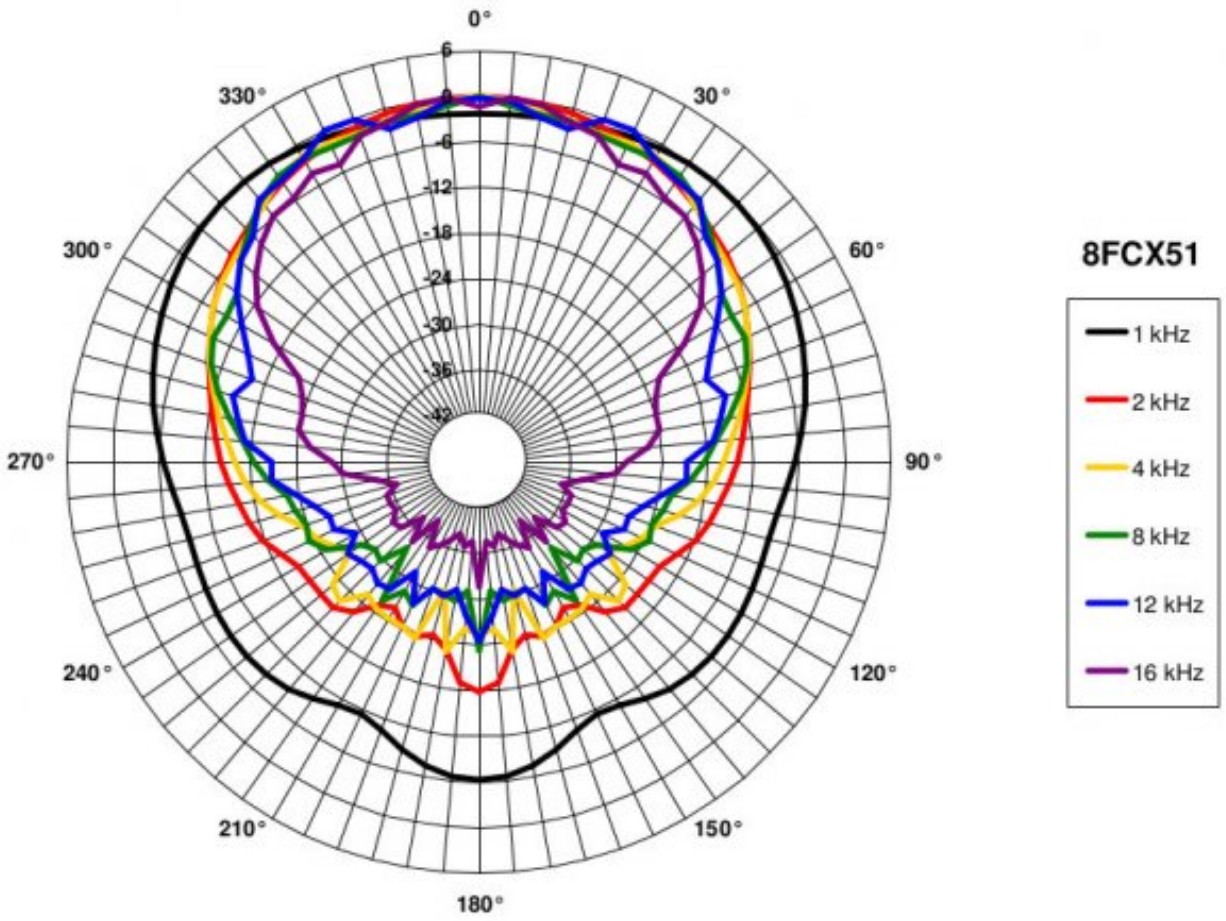
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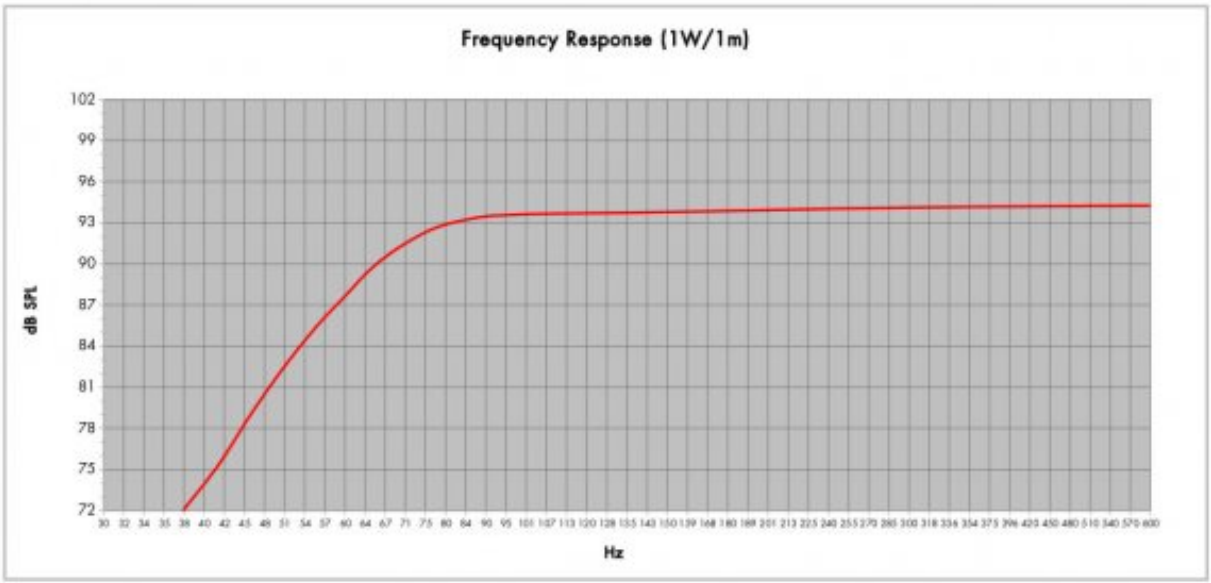
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LF directivity map
Angle from axis (degrees)
180°
150°
120°
90°
60°
30°
0°
-30°
-60°
-90°
-120°
-150°
-180°
0.5
1
2
5
Frequency (kHz)
dB
-6
-12
-18
-24
-30
-36
-42


HF directivity map
Angle from axis (degrees)
180°
150°
120°
90°
60°
30°
0°
-30°
-60°
-90°
-120°
-150°
-180°
1
2
5
10
20
Frequency (kHz)
dB
-6
-12
-18
-24
-30
-36
-42

8FCX51 8 Ω





Model:	8FCX51		
Enclosure Type:	Bass Reflex	Configuration:	One Driver
Internal Net Volume (Litres):	15	QB:	7
Tuning Frequency (Hz):	70	Port Area (cm²):	45,6
Frequency (-3 dB) (Hz):	70,1	Port Length (cm):	12,0

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