

8FCX51

Coaxials - 8.0 Inches

500 W continuous program power capacity
 100° nominal coverage
 70 - 18000 Hz response
 96 dB sensitivity



Specifications

Nominal diameter	210 mm (8.0 in)
Nominal impedance	8 Ω
Minimum impedance lf	6.0 Ω
Minimum impedance hf	7.0 Ω
Frequency range	69 - 18000 Hz
Dispersion angle ¹	100 °
Magnet material	Ceramic

Specifications LF Unit

LF Sensitivity ²	96.0 dB
LF Nominal Power Handling ³	250 W
LF Continuous Power Handling ⁴	500 W
LF Voice Coil Diameter	51 mm (2.0 in)
LF Winding Material	Aluminium

Specifications HF Unit

HF Sensitivity ⁵	104.0 dB
HF Nominal Power Handling ⁶	50 W
HF Continuous Power Handling ⁷	100 W

Specifications HF Unit

HF Voice Coil Diameter	44 mm (1.7 in)
HF Winding Material	Aluminium
Diaphragm material	Polyimide
Recommended crossover ⁸	1.8 kHz

Parameters

Fs	69 Hz
Re	4.9 Ω
Qes	0.36
Qms	6.3
Qts	0.34
Vas	16.0 dm ³ (0.56 ft ³)
Sd	220.0 cm ² (34.1 in ²)
η _o	1.4 %
Xmax	6.5 mm
Xvar	6.0 mm
Mms	22 g
Bl	11.5 Txm
Le	0.9 mH

Parameters

EBP	191 Hz
-----	--------

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	5.1 kg (11.2 lb)
Shipping units	1
Shipping weight	5.6 kg (12.3 lb)
Shipping box	321x294x193 mm (12.6x11.6x7.6 in)

Service Kit

Service kit lf	RCK008FCX518
Replacement diaphragm	MMD4008

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 (6 dB crest factor) 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.

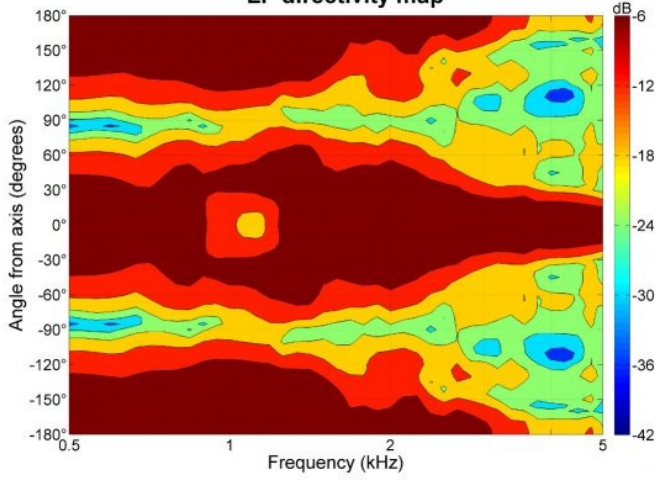
5. Applied RMS Voltage is set to 2.83V.

6. 2 hour test made with continuous pink noise signal (6 dB crest factor) within the range from the recommended crossover frequency to 20 kHz. Power calculated on rated minimum impedance. Loudspeaker in free air.

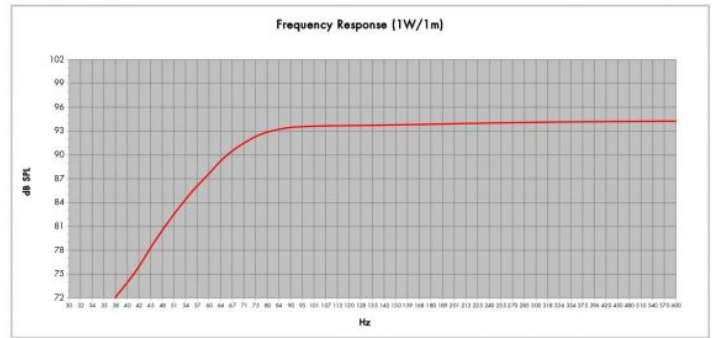
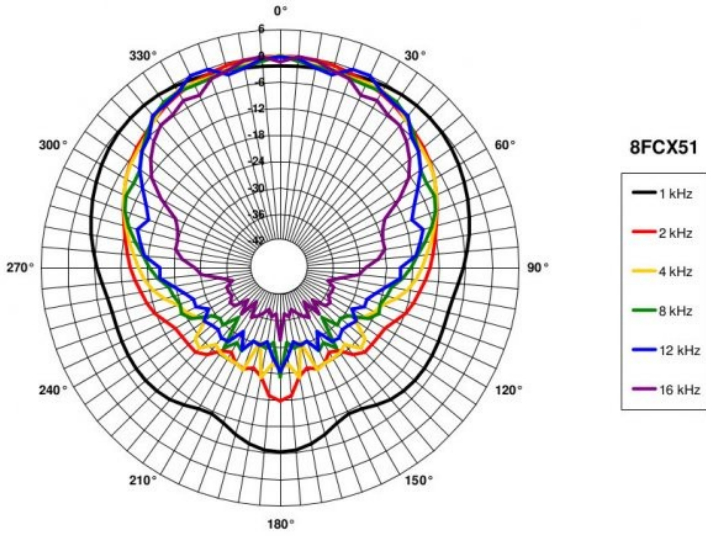
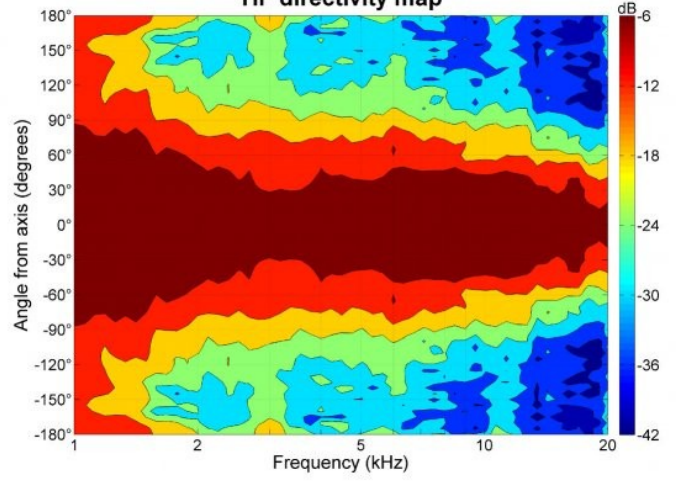
7. Power on Continuous Program is defined as 3 dB greater than the Nominal rating.

8. 12 dB/oct. or higher slope high-pass filter.

LF directivity map



HF directivity map



Model:	8FCX51	Configuration:	One Driver
Enclosure Type:	Bas Reflex		
Internal Net Volume (Litres):	15	Q _T :	7
Tuning Frequency (Hz):	70	Port Area (cm ²):	45,6
Frequency (-3 dB) (Hz):	70,1	Port length (cm):	12,0