

5FCX44

Coaxials - 5.0 Inches

- 200 W continuous program power capacity
- 70° nominal coverage
- 60 - 18000 Hz response
- 91 dB sensitivity
- 19 mm (3/4") HF unit exit diameter



Specifications

Nominal diameter	127 mm (5.0 in)
Nominal impedance	8 Ω
Minimum impedance lf	6.5 Ω
Minimum impedance hf	6.5 Ω
Frequency range	60 - 18000 Hz
Dispersion angle ¹	70 °
Magnet material	Ceramic (LF) - Neodym. Ring (HF)

Specifications LF Unit

LF Sensitivity ²	91.0 dB
LF Nominal Power Handling ³	100 W
LF Continuous Power Handling ⁴	200 W
LF Voice Coil Diameter	44 mm (1.7 in)
LF Winding Material	Copper

Specifications HF Unit

HF Sensitivity ⁵	107.5 dB
HF Nominal Power Handling ⁶	10 W
HF Continuous Power Handling ⁷	20 W
HF Voice Coil Diameter	25 mm (1.0 in)

Specifications HF Unit

HF Winding Material	Aluminium
Diaphragm material	Polyester
Recommended crossover ⁸	2.5 kHz

Parameters

Fs	61 Hz
Re	5.6 Ω
Qes	0.25
Qms	7.8
Qts	0.25
Vas	7.0 dm ³ (0.25 ft ³)
Sd	95.0 cm ² (14.7 in ²)
η _o	0.6 %
Xmax	3.0 mm
Xvar	5.0 mm
Mms	12 g
Bl	10.5 Txm
Le	0.8 mH
EBP	244 Hz

Mounting And Shipping Info

Overall diameter	136 mm (5.35 in)
Bolt circle diameter	142 mm (5.6 in)
Baffle cutout diameter	122 mm (4.8 in)
Depth	110 mm (4.33 in)
Flange and gasket thickness	8 mm (0.31 in)
Net weight	1.85 kg (4.1 lb)
Shipping units	1
Shipping weight	2.2 kg (4.85 lb)
Shipping box	266x259x155 mm (10.5x10.2x6.1 in)

Service Kit

Service kit lf	RCK005FCX448
Replacement diaphragm	MMDDE58

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.

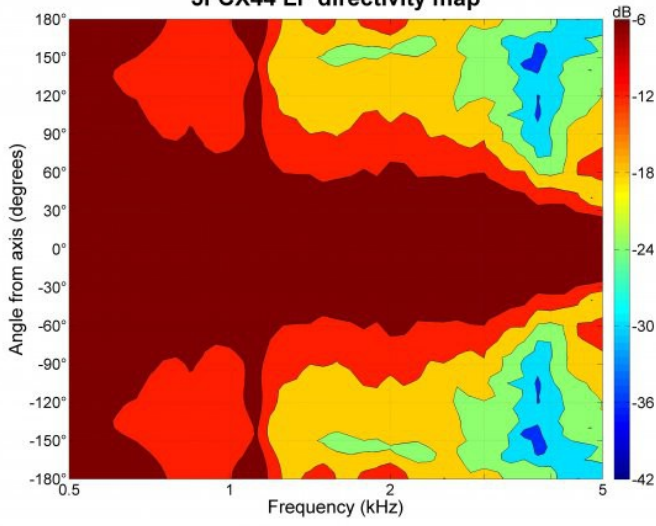
5. Applied RMS Voltage is set to 2.83V.

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.

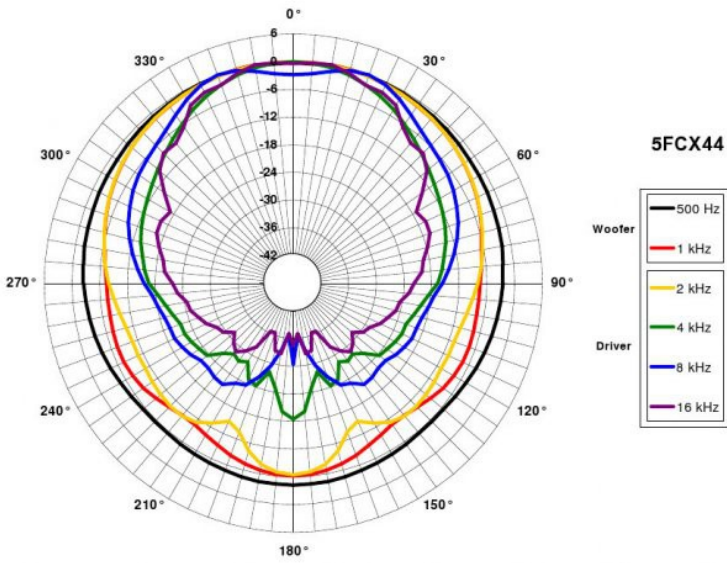
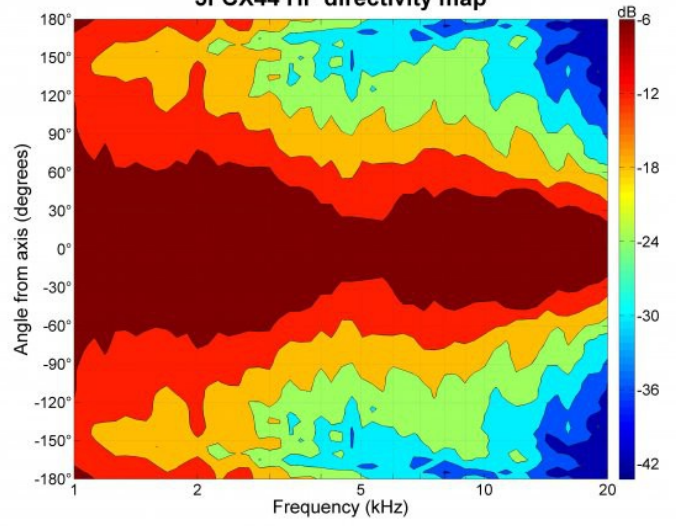
7. Power on Continuous Program is defined as 3 dB greater than the Nominal rating.

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

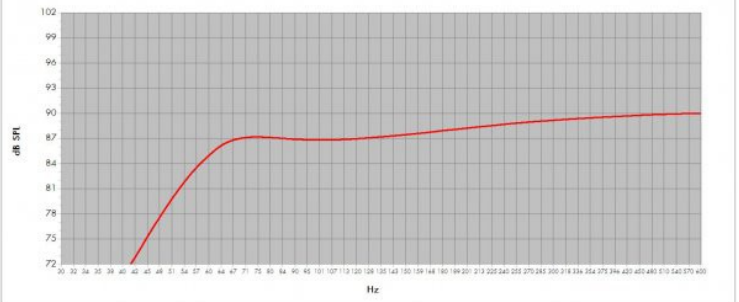
5FCX44 LF directivity map



5FCX44 HF directivity map



Frequency Response (1W/1m)



Model:	5FCX44	Configuration:	One Driver
Enclosure Type:	Bass Reflex		
Internal Net Volume [litres]:	7	Q8:	5
Tuning Frequency [Hz]:	63	Port Area [cm²]:	15,2
Frequency [-3 dB] [Hz]:	145,4	Port Length [cm]:	12,6
Excursion Limited Maximum SPL at 1 meter [dB]:	110,3	equal to	100,0 Watts [Bass Band Power Rating]
Thermal Limited Maximum SPL at 1 meter [dB]:	110,3	equal to	100,0 Watts [Mid Band Power Rating]