

6FHX51

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



Specifications

Nominal diameter	170 mm (6.5 in)
Nominal impedance	8 Ω
Minimum impedance lf	6.5 Ω
Minimum impedance hf	7.0 Ω
Frequency range	85 - 18000 Hz
Dispersion angle ¹	70 °
Magnet material	Ceramic (LF) - Neodym. Ring (HF)

Specifications LF Unit

LF Sensitivity ²	93.0 dB
LF Nominal Power Handling ³	150 W
LF Continuous Power Handling ⁴	300 W
LF Voice Coil Diameter	51 mm (2.0 in)
LF Winding Material	Copper

Specifications HF Unit

HF Sensitivity ⁵	108.5 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	85 Hz
Re	5.5 Ω
Qes	0.4
Qms	7.8
Qts	0.37
Vas	5.0 dm ³ (0.18 ft ³)
Sd	132.0 cm ² (20.5 in ²)
η _o	0.83 %
Xmax	5.0 mm
Xvar	5.7 mm
Mms	16 g
Bl	11.3 T·m
Le	1.0 mH
EBP	212 Hz

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	122 mm (4.8 in)
Flange and gasket thickness	12 mm (0.47 in)
Net weight	2.7 kg (5.9 lb)
Shipping units	1
Shipping weight	3.05 kg (6.72 lb)
Shipping box	321x294x190 mm (12.6x11.6x7.5 in)

Service Kit

Service kit lf	RCK06FHx518
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.

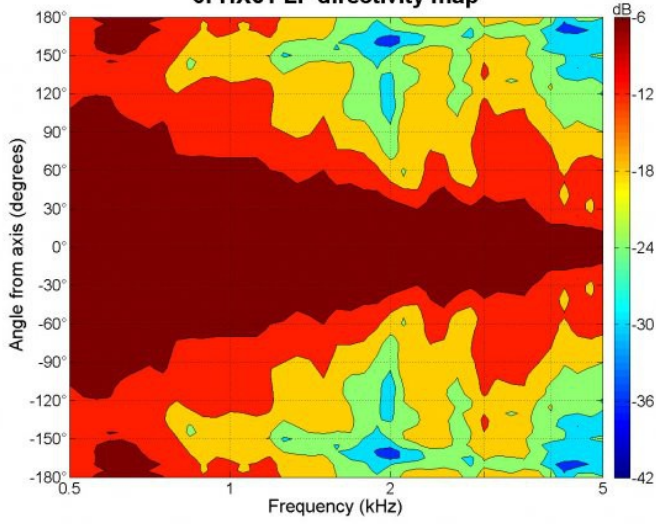
5. Applied RMS Voltage is set to 2.83V.

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.

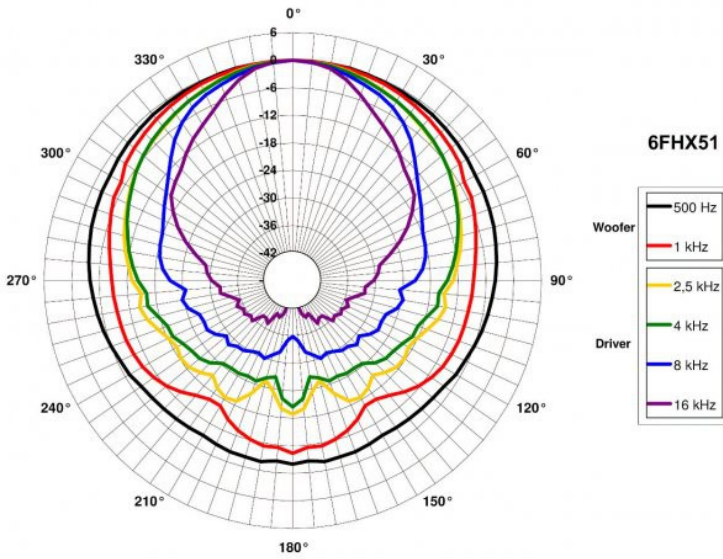
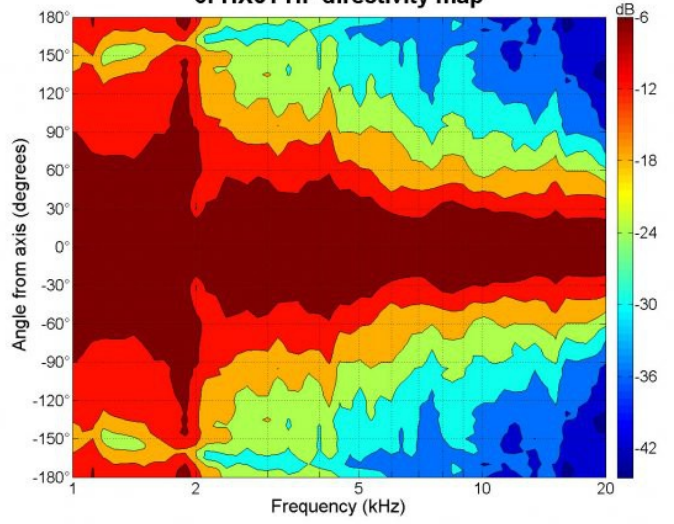
7. Power on Continuous Program is defined as 3 dB greater than the Nominal rating.

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

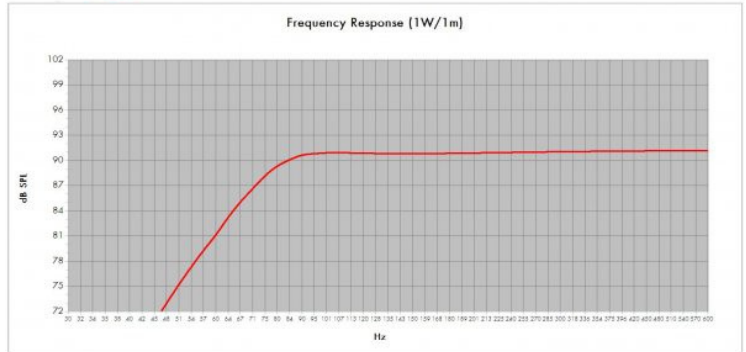
6FHX51 LF directivity map



6FHX51 HF directivity map



Frequency Response (1W/1m)



Model:	6FHX51	Configuration:	One Driver
Enclosure Type:	Bass Reflex		
Internal Net Volume (litres):	7	QB:	6
Tuning Frequency (Hz):	80	Port Area (cm ²):	30,4
Frequency (-3 dB) (Hz):	73,4	Port Length (cm):	13,0