

6FHX51

FE-ND COAXIAL



300 W
continuous program
power capacity

70°
nominal coverage

93 dB
sensitivity

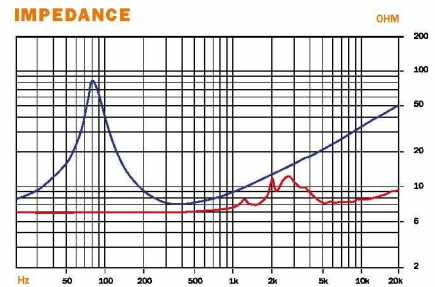
85 - 18000 Hz
response



SENSITIVITY



IMPEDANCE



SPECIFICATIONS

Nom. Diameter	170 mm (6.5 in)
Nom. Impedance	8 Ω
Minimum Impedance	6.5 Ω (LF), 7 Ω (HF)
Frequency Range	85 - 18000 Hz
Dispersion Angle ¹	70°
Magnet Material	Ferrite (LF)/Neo Ring (HF)
Waterproof cone treatment	Front side
LF UNIT	
Sensitivity (1W/1m) ²	93 dB
Power Handling Nom. (AES) ³	150 W
Continuous Program ⁴	300 W
Voice Coil Diameter	51 mm (2 in)
Winding Material	Copper
Flux Density	1.05 T
Former Material	Kapton
Winding Depth	13.0 mm (0.51 in)
Magnetic Gap Depth	6.0 mm (0.24 in)

HF UNIT	
Sensitivity (1W/1m) ²	108.5 dB
Power Handling ³	10 W
Continuous Program ⁴	20 W

Voice Coil Diameter	25 mm (1 in)
Winding Material	Aluminium
Diaphragm Material	Polyester
Recommended Crossover ⁵	2.5 kHz
Flux Density	1.65 T
Inductance	0.1 mH

MOUNTING AND SHIPPING INFORMATION

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 Weight	3.05 kg (6.72 lb)
Shipping Box	255x255x150 mm (10.04x10.04x5.90 in)

THIELE & SMALL PARAMETERS

Fs	85 Hz
Re	5.5 Ω
Qes	0.4
Qms	7.8
Qts	0.37
Vas	5 dm ³ (0.18 ft ³)
Sd	132 cm ² (20.5 in ²)
η _o	0.83 %
X max	± 5 mm
X var	± 5.7 mm
Mms	16 g
Bl	11.3 T·m
Le	1 mH
EBP	212 Hz
Service kit LF	RCK06FHX51-8
Service kit HF	MMDDE5-8

¹ 1 Included by -6 dB down points.

² Applied RMS Voltage is set to 2.83V.

³ LF - Two hour test made with continuous pink noise signal (6 dB crest factor) within the range Fs-10Fs. Loudspeaker in free air.

HF - Two hour test made with continuous pink noise signal (6 dB crest factor) within the range from the recommended crossover frequency to 20 kHz. LF and HF Power calculated on rated minimum impedance.

⁴ Power on Continuous Program is defined as 3 dB greater than the Nominal rating.

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