

# 5FCX44

## FE-ND COAXIAL



**200 W**  
continuous program  
power capacity

**70°**  
nominal coverage

**91 dB**  
sensitivity

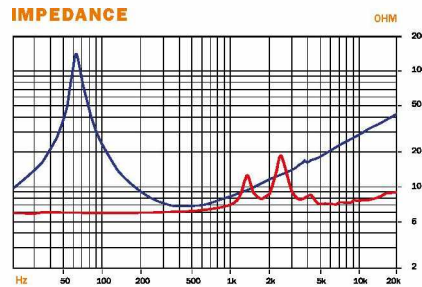
**60 - 18000 Hz**  
response



**SENSITIVITY**



**IMPEDANCE**



**SPECIFICATIONS**

Nom. Diameter	127 mm (5 in)
Nom. Impedance	8 Ω
Minimum Impedance	6.5 Ω (LF), 6.5 Ω (HF)
Frequency Range	60 - 18000 Hz
Dispersion Angle <sup>1</sup>	70°
Magnet Material	Ferrite (LF)/Neo Ring (HF)
Waterproof cone treatment	Front side

**LF UNIT**

Sensitivity (1W/1m) <sup>2</sup>	91 dB
Power Handling Nom. (AES) <sup>3</sup>	100 W
Continuous Program <sup>4</sup>	200 W
Voice Coil Diameter	44 mm (1.7 in)
Winding Material	Copper
Flux Density	1.07 T
Former Material	Kapton
Winding Depth	9.0 mm (0.35 in)
Magnetic Gap Depth	6.0 mm (0.24 in)

**HF UNIT**

Sensitivity (1W/1m) <sup>2</sup>	107.5 dB
Power Handling Nom. (AES) <sup>3</sup>	10 W
Continuous Program <sup>4</sup>	20 W

Voice Coil Diameter	25 mm (1.5 in)
Winding Material	Aluminium
Diaphragm Material	Polyester
Recommended Crossover <sup>5</sup>	2.5 kHz
Flux Density	1.65 T
Inductance	0.1 mH

**MOUNTING AND SHIPPING INFORMATION**

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 Weight	2.2 kg (4.85 lb)
Shipping Box	255x255x150 mm (10.04x10.04x5.90 in)

**THIELE & SMALL PARAMETERS**

Fs	61 Hz
Re	5.6 Ω
Qes	0.25
Qms	7.8
Qts	0.25
Vas	7 dm <sup>3</sup> (0.25 ft <sup>3</sup> )
Sd	95 cm <sup>2</sup> (14.7 in <sup>2</sup> )
η <sub>0</sub>	0.6 %
X max	± 3 mm
X var	± 5 mm
Mms	12 g
Bl	10.5 T·m
Le	0.8 mH
EBP	244 Hz

Service kit LF	RCK005FCX44-8
Service kit HF	MMDDE5-8

<sup>1</sup> 1 Included by -6 dB down points.

<sup>2</sup> Applied RMS Voltage is set to 2.83V.

<sup>3</sup> 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.

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

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