B&C SPEAKERS ®

10FCX64 / FE COAXIAL

500 W
continuous program
power capacity

70°
nominal coverage

Single ferrite
magnet assembly

95 dB
sensitivity
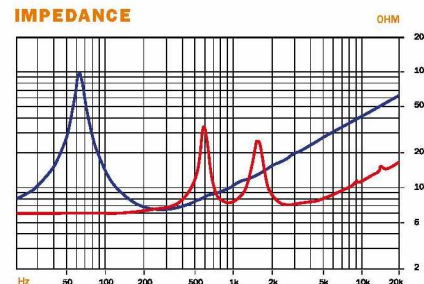
65 - 18000 Hz
response

FE COAXIALS

SENSITIVITY — dB SPL / watt (8 ohm load)

IMPEDANCE — OHM

SPECIFICATIONS

Nom. Diameter	250 mm (10 in)
Nom. Impedance	8 Ω
Minimum Impedance	6.4 Ω (LF), 7 Ω (HF)
Frequency Range	65 - 18000 Hz
Dispersion Angle[1]	70°
Magnet Material	Ferrite Ring
Waterproof cone treatment	Front side

LF UNIT

Sensitivity (1W/1m)[2]	95 dB
Power Handling Nom. (AES)[3]	250 W
Continuous Program[4]	500 W
Voice Coil Diameter	64 mm (2.5 in)
Winding Material	Copper
Flux Density	0.96 T
Former Material	Kapton
Winding Depth	13.0 mm (0.51 in)
Magnetic Gap Depth	8.0 mm (0.31 in)

HF UNIT

Sensitivity (1W/1m)[2]	104 dB
Power Handling Nom. (AES)[3]	80 W
Continuous Program[4]	160 W
Voice Coil Diameter	65 mm (2.5 in)
Winding Material	Aluminium
Diaphragm Material	Titanium
Recommended Crossover[5]	1.2 kHz
Flux Density	1.6 T
Inductance	0.15 mH

MOUNTING AND SHIPPING INFORMATION

Overall Diameter	261 mm (10.3 in)
Bolt Circle Diameter	245 mm (9.6 in)
Baffle Cutout Diameter	230 mm (8.8 in)
Depth	140 mm (5.51 in)
Flange and Gasket Thickness	12.5 mm (0.5in)
Net Weight	5.65 kg (12.8 lb)
Shipping Weight	6.45 kg (14.2 lb)
Shipping Box	360x360x200 mm
	(14.17x14.17x7.87 in)

THIELE & SMALL PARAMETERS

Fs	63 Hz
Re	5.5 Ω
Qes	0.44
Qms	7.9
Qts	0.42
Vas	25 dm^3 (0.89 ft^3)
Sd	320 cm^2 (49.1 in^2)
η$_0$	1.4 %
X max	± 5.5 mm
X var	± 6 mm
Mms	36.5 g
Bl	13.4 T·m
Le	1.2 mH
Service kit LF	RCK10FCX64-8
Service kit HF	MMD620TN-8M

[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.