

8CX21

Coaxials - 8.0 Inches

400 W continuous program power capacity
100° nominal coverage
75 - 20000 Hz response
94 dB sensitivity
34.5 mm (1.35") HF unit exit diameter
XO-1 dedicated crossover network



Specifications

Nominal diameter	210 mm (8.0 in)
Nominal impedance	8 Ω
Minimum impedance If	6.1 Ω
Minimum impedance hf	7.2 Ω
Frequency range	75 - 20000 Hz
Dispersion angle ¹	100 °
Magnet material	Ceramic

Specifications LF Unit

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LF Sensitivity ²	94.0 dB
LF Nominal Power Handling ³	200 W
LF Continuous Power Handling ⁴	400 W
LF Voice Coil Diameter	52 mm (2.0 in)
LF Winding Material	Copper

Specifications HF Unit

HF Sensitivity ⁵	101.0 dB
HF Nominal Power Handling ⁶	25 W
HF Continuous Power Handling ⁷	50 W
HF Voice Coil Diameter	36 mm (1.4 in)

Specifications HF Unit

HF Winding Material	Aluminium
Diaphragm material	Polyester
Recommended crossover ⁸	2.2 kHz

Parameters

Fs	74 Hz
Re	5.2 Ω
Qes	0.39
Qms	4.1
Qts	0.36
Vas	15.0 dm ³ (0.55 ft ³)
Sd	220.0 cm ² (34.1 in ²)
ηο	1.5 %
Xmax	5.0 mm
Xvar	5.5 mm
Mms	21 g
BI	11.5 Txm
Le	1.2 mH
EBP	189 Hz

Mounting And Shipping Info

J	i i j
Overall diameter	225 mm (8.8 in)
Bolt circle diameter	210 mm (8.3 in)
Baffle cutout diameter	187 mm (7.4 in)
Depth	135 mm (5.3 in)
Flange and gasket thickness	11 mm (0.4 in)
Net weight	4.0 kg (8.8 lb)
Shipping units	1
Shipping weight	4.7 kg (10.3 lb)
Shipping box	260x260x170 mm (10.2x10.2x6.7 in)

Crossover

Model	XO-1
Filter Type	Two way
Nominal Impedance	8.0 Ω
Low-pass slope	12.0 dB/oct
High-pass slope	12.0 dB/oct
Overall Dimensions	107x96 mm (4.2x3.8 in)
Weight	0.4 kg (0.9 lb)

Service Kit

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	Service kit If	RCK008CX218

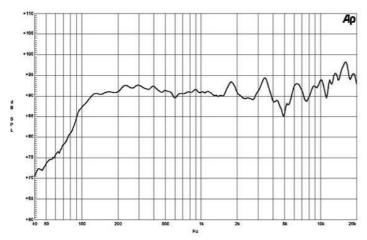
Replacement diaphragm

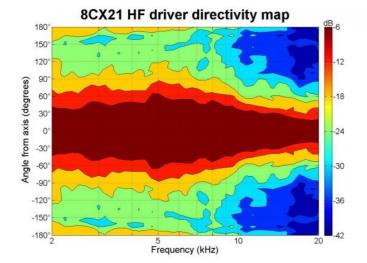
MMD0128

- Included by -6 dB down points.
- Applied RMS Voltage is set to 2.83V.

 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.

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





- 5. Applied RMS Voltage is set to 2.83V.
- Applied wind youtage is set. to 2-00v.
 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.
 Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
 12 dB/oct. or higher slope high-pass filter.

