



8CX21

Coaxials - 8.0 Inches

400 W continuous program power capacity
 100° nominal coverage
 75 - 20000 Hz response
 94 dB sensitivity
 XO-1 dedicated crossover network



Specifications

| | |
|-------------------------------|-----------------|
| Nominal diameter | 210 mm (8.0 in) |
| Nominal impedance | 8 Ω |
| Minimum impedance lf | 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

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|---|----------|
| HF Sensitivity ⁵ | 101.0 dB |
| HF Nominal Power Handling ⁶ | 25 W |
| HF Continuous Power Handling ⁷ | 50 W |

Specifications HF Unit

| | |
|------------------------------------|----------------|
| HF Voice Coil Diameter | 36 mm (1.4 in) |
| HF Winding Material | Aluminium |
| Diaphragm material | Polyester |
| Recommended crossover ⁸ | 2.2 kHz |

Parameters

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|----------------|---|
| 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) |
| η _o | 1.5 % |
| Xmax | 5.0 mm |
| Xvar | 5.5 mm |
| Mms | 21 g |
| Bl | 11.5 Txm |
| Le | 1.2 mH |

Parameters

| | |
|-----|--------|
| EBP | 189 Hz |
|-----|--------|

Mounting And Shipping Info

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|-----------------------------|-----------------------------------|
| 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) |

Service Kit

| | |
|-----------------------|------------|
| Service kit lf | RCK008CX21 |
| Replacement diaphragm | MMD0128 |

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.

