

8CX21

FE COAXIAL



400 W
continuous program
power capacity

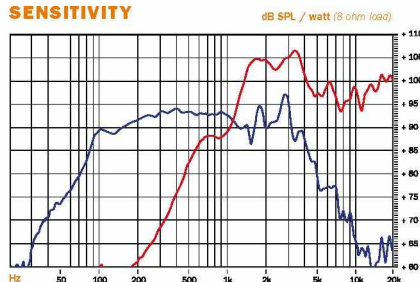
100°
nominal coverage

94 dB
sensitivity

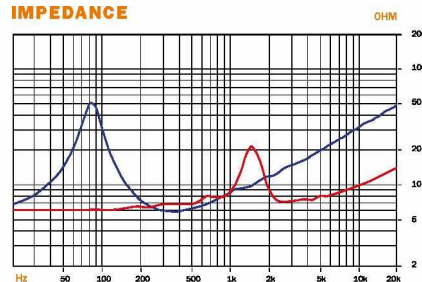
75 - 20000 Hz
response



SENSITIVITY



IMPEDANCE



SPECIFICATIONS

| | |
|-------------------------------|------------------------|
| Nom. Diameter | 210 mm (8 in) |
| Nom. Impedance | 8 Ω |
| Minimum Impedance | 6.1 Ω (LF), 7.2 Ω (HF) |
| Frequency Range | 75 - 20000 Hz |
| Dispersion Angle ¹ | 100° |
| Magnet Material | Ferrite Ring |
| Waterproof cone treatment | None |

LF UNIT

| | |
|----------------------------------------|-------------------|
| Sensitivity (1W/1m) ² | 94 dB |
| Power Handling Nom. (AES) ³ | 200 W |
| Continuous Program ⁴ | 400 W |
| Voice Coil Diameter | 51 mm (2.0 in) |
| Winding Material | Copper |
| Flux Density | 1.1 T |
| Former Material | Kapton |
| Winding Depth | 16.0 mm (0.63 in) |
| Magnetic Gap Depth | 8.0 mm (0.31 in) |

HF UNIT

| | |
|----------------------------------------|--------|
| Sensitivity (1W/1m) ² | 101 dB |
| Power Handling Nom. (AES) ³ | 25 W |
| Continuous Program ⁴ | 50 W |

| | |
|------------------------------------|-----------------|
| Voice Coil Diameter | 52 mm (2.04 in) |
| Winding Material | Aluminium |
| Diaphragm Material | Polyester |
| Recommended Crossover ⁵ | 2.5 kHz |
| Flux Density | 1.45 T |
| Inductance | 0.14 mH |

MOUNTING AND SHIPPING INFORMATION

| | |
|-----------------------------|-----------------------------------------|
| 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 Weight | 4.7 kg (10.3 lb) |
| Shipping Box | 295x314x175 mm (11.61x12.36x6.89 in) |

Also available in 16 Ω, data upon request

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.

THIELE & SMALL PARAMETERS

| | |
|----------------|---------------------------------------------|
| Fs | 74 Hz |
| Re | 5.2 Ω |
| Qes | 0.39 |
| Qms | 4.1 |
| Qts | 0.36 |
| Vas | 15 dm ³ (0.55 ft ³) |
| Sd | 220 cm ² (34.1 in ²) |
| η ₀ | 1.5 % |
| X max | ± 5 mm |
| X var | ± 5.5 mm |
| Mms | 21 g |
| Bl | 11.5 T·m |
| Le | 1.2 mH |
| EBP | 189 Hz |

| | |
|----------------|--------------|
| Service kit LF | RCK008CX21-8 |
| Service kit HF | MMD012-8 |

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.