



# 12CXT

## Coaxials - 12.0 Inches

400 W continuous program power capacity  
 90° nominal coverage  
 50 - 20000 Hz response  
 98 dB sensitivity  
 34.5 mm (1.35") HF unit exit diameter  
 XO-2 dedicated crossover network



### Specifications

Nominal diameter	320 mm (12.0 in)
Nominal impedance	8 Ω
Minimum impedance lf	6.0 Ω
Minimum impedance hf	7.3 Ω
Frequency range	50 - 20000 Hz
Dispersion angle <sup>1</sup>	90 °
Magnet material	Ceramic

### Specifications LF Unit

LF Sensitivity <sup>2</sup>	98.0 dB
LF Nominal Power Handling <sup>3</sup>	200 W
LF Continuous Power Handling <sup>4</sup>	400 W
LF Voice Coil Diameter	51 mm (2.0 in)
LF Winding Material	Copper

### Specifications HF Unit

HF Sensitivity <sup>5</sup>	102.0 dB
HF Nominal Power Handling <sup>6</sup>	25 W
HF Continuous Power Handling <sup>7</sup>	50 W
HF Voice Coil Diameter	36 mm (1.4 in)

### Specifications HF Unit

HF Winding Material	Aluminium
Diaphragm material	Mylar
Recommended crossover <sup>8</sup>	2.2 kHz

### Parameters

Fs	49 Hz
Re	5.3 Ω
Qes	0.35
Qms	3.9
Qts	0.32
Vas	91.0 dm <sup>3</sup> (3.2 ft <sup>3</sup> )
Sd	522.0 cm <sup>2</sup> (80.9 in <sup>2</sup> )
η <sub>o</sub>	3.1 %
X <sub>max</sub>	3.0 mm
X <sub>var</sub>	5.5 mm
M <sub>ms</sub>	43 g
Bl	14.4 Txm
Le	1.2 mH
EBP	140 Hz

### Mounting And Shipping Info

Overall diameter	316 mm (12.4 in)
Bolt circle diameter	296 mm (11.6 in)
Baffle cutout diameter	284 mm (11.2 in)
Depth	179 mm (7.05 in)
Flange and gasket thickness	13 mm (0.5 in)
Net weight	5.6 kg (12.3 lb)
Shipping weight	6.8 kg (15.0 lb)
Shipping box	380x380x240 mm (15.2x15x9.4 in)

### Crossover

Model	XO-2
Filter Type	Two way
Nominal Impedance	8.0 Ω
Low-pass slope	6.0 dB/oct
High-pass slope	12.0 dB/oct
Overall Dimensions	142x107 mm (5.6x4.2 in)
Weight	0.4 kg (0.9 lb)

### Service Kit

Service kit lf	RCK012CXT8
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.

