

## 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 <sup>1</sup>	100 °
Magnet material	Ceramic
Specifications LF Unit	
LF Sensitivity <sup>2</sup>	94.0 dB

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LF Nominal Power Handling <sup>3</sup>	200 W
LF Continuous Power Handling <sup>4</sup>	400 W
LF Voice Coil Diameter	52 mm (2.0 in)
LF Winding Material	Copper

Specifications HF Unit	
HF Sensitivity <sup>5</sup>	101.0 dB
HF Nominal Power Handling <sup>6</sup>	25 W
HF Continuous Power Handling <sup>7</sup>	50 W

## **Specifications HF Unit**

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HF Voice Coil Diameter	36 mm (1.4 in)
HF Winding Material	Aluminium
Diaphragm material	Polyester
Recommended crossover <sup>8</sup>	2.2 kHz
Parameters	
Fs	74 Hz
Re	5.2 Ω
Qes	0.39
Qms	4.1
Qts	0.36
Vas	15.0 dm <sup>3</sup> (0.55 ft <sup>3</sup> )
Sd	220.0 cm <sup>2</sup> (34.1 in <sup>2</sup> )
ηο	1.5 %
Xmax	5.0 mm
Xvar	5.5 mm
Mms	21 g
BI	11.5 Txm
Le	1.2 mH

## Parameters EBP 189 Hz Mounting And Shipping Info

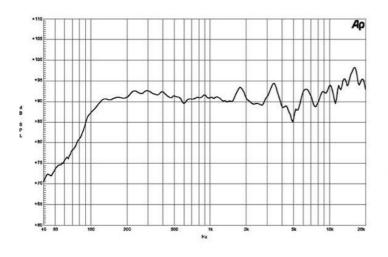
Mounting And Snipping into		
Overall diameter	225 mm (8.8 in)	
Bolt circle diameter	210 mm (8.3 in)	
Baffle cutout diameter	187 mm (7.4 in)	
Depth	135 mm (5.3 in)	
Flange and gasket thickness	11 mm (0.4 in)	
Net weight	4.0 kg (8.8 lb)	
Shipping units	1	
Shipping weight	4.7 kg (10.3 lb)	
Shipping box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

Service Kit	
Service kit lf	RCK008CX21
Replacement diaphragm	MMD0128

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

- Applied RMS Voltage is set to 2.83V.
  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.



8CX21 HF driver directivity map dB-6 180 150 -12 120 90 Angle from axis (degrees) 60° -18 30° 0° -24 -30° -60° -30 -90 -120 -36 -150 -180° -42 5 Frequency (kHz) 10 20

