

## BETA 8CX

Nominal Basket Diameter	8", 203.2mm
Impedance	8 ohms
Power Rating	250Wrms
Resonance	54Hz
Usable Frequency Range (with APT-50 and pxb2:3k5)	60Hz - 20kHz
Sensitivity	<a href="#">see chart on web</a>
Magnet Weight	38oz.
Gap Height	0.312", 7.94mm
Voice Coil Diameter	2", 50.8mm



### Mounting Information

Recommended Enclosure Volume (vented)	8.5 - 15.5 liters 0.3 - 0.55 cu. ft.
Overall Diameter	8.24", 209.2mm
Baffle Hole Diameter	7.13", 181mm
Front Sealing Gasket	<i>fitted as standard</i>
Rear Sealing Gasket	<i>fitted as standard</i>
Mounting Holes Diameter	0.218", 5.5mm
Mounting Holes B.C.D.	7.75", 196.9mm
Depth	3.5", 89mm
Shipping Weight	7.8lbs., 3.6 kg.

### Thiele-Small Parameters

Resonant Frequency (fs)	54Hz
Impedance (Re)	5.53 ohms
Coil Inductance (Le)	0.96mH
Electromagnetic Q (Qes)	0.31
Mechanical Q (Qms)	7.67
Total Q (Qts)	0.30
Compliance Equivalent Volume (Vas)	34.9 liters 1.23 cu. ft. 62cc
Peak Diaphragm Displacement Volume (Vd)	0.59mm/N
Mechanical Compliance of Suspension (Cms)	9.5 T-M
BL Product (BL)	15 grams
Diaphragm Mass inc. Airload (Mms)	
Equiv. Resistance of Mechanical Suspension Loss (Rms)	0.66N*sec/M
Efficiency Bandwidth Product (EBP)	175
Voice Coil Overhang (Xmax)	3.0mm
Surface Area of Cone (Sd)	205.9cm <sup>2</sup>
Impedance at Resonance (Zmax)	143 ohms
Maximum Linear Excursion (Xmech)	13.72mm

### Application Notes

The Beta 8CX is a coaxial speaker to which a compression driver must be attached. Eminence recommends the APT-50 supertweeter with the APT-3 adaptor and the pxb2:3k5 2-way crossover with this product (not included). Ideal for full-range, near field and monitoring applications.

### Materials of Construction

- Kapton coil former for increased rigidity and thermal protection
- Polyamide-imide coated two-layer, 30ga., copper voice coil for improved power handling and durability.
- Ferrite Magnet
- Extended core for increased power handling
- Premium pressed steel basket for maximum strength
- Paper cone
- Cloth cone edge
- Screened cloth dust cap
- Aluminum horn

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