

## BETA 12CX

Nominal Basket Diameter	12", 304.8mm
Impedance	8 ohms
Power Rating	250Wrms
Resonance	43Hz
Usable Frequency Range (with PSD-2002 and pxb2:1k6)	45Hz - 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)	48 - 79 liters 1.7 - 2.8 cu. ft.
Overall Diameter	12.02", 305.2mm
Baffle Hole Diameter	10.97", 278.6mm
Front Sealing Gasket	<i>fitted as standard</i>
Rear Sealing Gasket	<i>fitted as standard</i>
Mounting Holes Diameter	0.25", 6.4mm
Mounting Holes B.C.D.	11.63", 295.3mm
Depth	4.47", 113.5mm
Shipping Weight	9.5lbs., 4.3 kg.

### Thiele-Small Parameters

Resonant Frequency (fs)	43Hz
Impedance (Re)	5.57 ohms
Coil Inductance (Le)	1.01mH
Electromagnetic Q (Qes)	0.51
Mechanical Q (Qms)	6.69
Total Q (Qts)	0.48
Compliance Equivalent Volume (Vas)	161 liters 5.66 cu. ft.
Peak Diaphragm Displacement Volume (Vd)	161 cc
Mechanical Compliance of Suspension (Cms)	0.40mm/N
BL Product (BL)	10.0 T-M
Diaphragm Mass inc. Airlod (Mms)	34 grams
Equiv. Resistance of Mechanical Suspension Loss (Rms)	1.38N*sec/M
Efficiency Bandwidth Product (EBP)	83
Voice Coil Overhang (Xmax)	3.0mm
Surface Area of Cone (Sd)	532.4cm <sup>2</sup>
Impedance at Resonance (Zmax)	78 ohms
Maximum Linear Excursion (Xmech)	20.83mm

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### Application Notes

The Beta 12CX is a coaxial speaker to which a compression driver must be attached. Eminence recommends the PSD2002S-8 compression driver and the pxb2:1k6 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

