

BETA 15CX

Nominal Basket Diameter	15", 381mm
Impedance	8 ohms
Power Rating	250Wrms
Resonance	34Hz
Usable Frequency Range (with PSD-2002 and pxb2:1k6)	35Hz - 20kHz
Sensitivity	see chart on web
Magnet Weight	38oz.
Gap Height	0.312", 7.94mm
Voice Coil Diameter	2", 50.8mm



Mounting Information

Recommended Enclosure Volume (closed)	54 - 88 liters 1.9 - 3.1 cu. ft.
Overall Diameter	15.15", 384.8mm
Baffle Hole Diameter	13.77", 349.6mm
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.	14.56", 369.9mm
Depth	6.05", 153.6mm
Shipping Weight	11.2lbs., 5.1 kg.

Thiele-Small Parameters

Resonant Frequency (fs)	34Hz
Impedance (Re)	5.54 ohms
Coil Inductance (Le)	1.06mH
Electromagnetic Q (Qes)	0.58
Mechanical Q (Qms)	7.68
Total Q (Qts)	0.54
Compliance Equivalent Volume (Vas)	366.4 liters 12.94 cu. ft.
Peak Diaphragm Displacement Volume (Vd)	248cc
Mechanical Compliance of Suspension (Cms)	0.38mm/N
BL Product (BL)	10.8 T-M
Diaphragm Mass inc. Airlod (Mms)	57 grams
Equiv. Resistance of Mechanical Suspension Loss (Rms)	1.58N*sec/M
Efficiency Bandwidth Product (EBP)	59
Voice Coil Overhang (Xmax)	3.0mm
Surface Area of Cone (Sd)	823.7cm ²
Impedance at Resonance (Zmax)	79 ohms
Maximum Linear Excursion (Xmech)	17.78mm

Application Notes

The Beta 15CX 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

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