BETA-12CX

Recommended for professional audio as a midbass in either vented, or sealed satellite or floor monitor enclosures. Also works nicely in vented two-way enclosures used for small coverage areas. Great for newer generation FRFR (full range, flat response) systems.

- **500 W** Program Power
- **12"** Nominal Diameter
- **8 Ω**

APPLICATION		ENCLOSURE	
Midrange	✔	Sealed Box	✔
Midbass	✔	Vented Box	✔
Woofer	✔	Scoop Loading	
Subwoofer		Horn Loading	
Bass Guitar			

The data for this coaxial woofer was calculated with the ASD:1001 driver screwed into the woofer, but not active.

SPECIFICATION

Nominal Basket Diameter	12", 305 mm
Nominal Impedance*	8 Ω
Power Rating*	
Program Power	500 W
Nominal Power	250 W
Resonance	47 Hz
Usable Frequency Range	57 Hz – 4.6 kHz
Sensitivity*	97.3 dB
Magnet Weight	38 oz.
Gap Height	0.312", 7.9 mm
Voice Coil Diameter	2", 51 mm

THIELE & SMALL PARAMETERS

Fs	47 Hz
Re	5.42 Ω
Le	0.64 mH
Qms	5.64
Qes	0.52
Qts	0.48
Vas	4.27 cu.ft., 120.94 liters
Vd	188.6 cc
Cms	0.3 mm/N
BL	10.79 T-M
Mms	38 grams
EBP	90
Xmax	3.5 mm
Sd	538.9 cm2
Xlim	10.4 mm

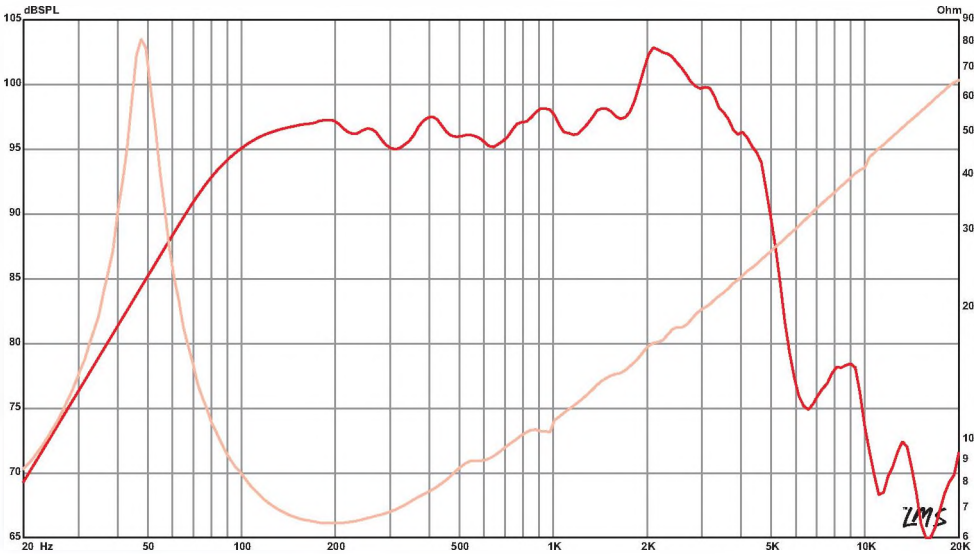
MOUNTING INFORMATION

Recommended Enclosure Volume	
Sealed	26.9–70.79 liters, 0.95–2.5 cu.ft.
Vented	32.85–158.58 liters, 1.16–5.6 cu.ft.
Driver Volume Displaced	0.071 cu.ft., 2 liters
Overall Diameter	12.03", 305.6 mm
Baffle Hole Diameter	11.07", 281.2 mm
Front Sealing Gasket	Yes
Rear Sealing Gasket	Yes
Mounting Holes Diameter	0.25", 6.4 mm
Mounting Holes B.C.D.	11.59", 294.4 mm
Depth	4.47", 113.5 mm
Net Weight	7.8 lbs , 3.54 kg
Shipping Weight	10 lbs , 4.54 kg

MATERIALS OF CONSTRUCTION

- Copper voice coil
- Kapton former
- Ferrite magnet
- Tapered Coax
- Pressed steel basket
- Paper cone
- Cloth cone edge
- Screened cloth dust cap

FREQUENCY RESPONSE & IMPEDANCE CURVE*



* See footnotes on page 155 for information regarding usable frequency range, nominal impedance, power rating and sensitivity.