

## **AMERICAN STANDARD SERIES**

# BETA-8CX

Recommended for professional audio midrange reproduction in sealed enclosures. Also suitable for mid-bass or floor monitor applications in vented 2-way cabinets.



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

#### **SPECIFICATION**

### THIELE & SMALL PARAMETERS\*

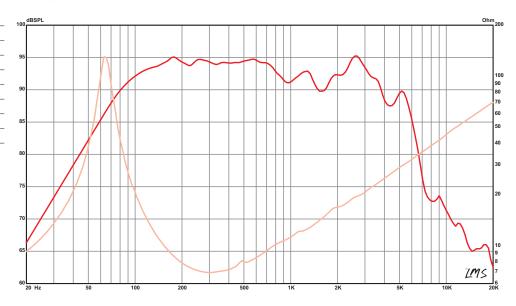
#### **MOUNTING INFORMATION**

Nominal Basket Diameter	8.0", 203 mm	Fs	62 Hz	Recommended Enclosure Vo	olume
Nominal Impedance*	Ω 8	Re	5.37 Ω	Sealed	3.40-9.91 liters,
Power Rating**		Le	0.67 mH		0.12-0.35 cu.ft.
Watts	250 W	Qms	6.57	Vented	7.08–16.99 liters,
Music Program	500 W	Qes	0.31		0.25-0.60 cu.ft.
Resonance	62 Hz	Qts	0.29	Driver Volume Displaced	0.028 cu.ft., 0.79 liters
Usable Frequency Range	95 Hz – 3.3 kHz	Vas	0.76 cu.ft., 21.43 liters	Overall Diameter	8.24", 209.3 mm
Sensitivity***	92.9 dB	Vd	67.2 cc	Baffle Hole Diameter	7.13", 181.1 mm
Magnet Weight	38 oz.	Cms	0.35 mm/N	Front Sealing Gasket	Yes
Gap Height	.312", 7.9 mm	BL	11.21 T-M	Rear Sealing Gasket	Yes
Voice Coil Diameter	2.0", 51 mm	Mms	19 grams	Mounting Holes Diameter	0.22", 5.6 mm
		EBP	201	Mounting Holes B.C.D.	7.75", 196.9 mm
		Xmax	3.20 mm	Depth	3.50", 88.9 mm
		Sd	210.0 cm2	Net Weight	6.80 lbs , 3.08 kg
		Xlim	6.9 mm	Shipping Weight	7.50 lbs , 3.40 kg

#### **MATERIALS OF CONSTRUCTION**

Copper voice coil	
Kapton former	
Ferrite magnet	
Tapered Coax	
Pressed steel basket	
Paper Cone	_
Sealed cloth cone edge	
Zurette dust cap	

### FREQUENCY RESPONSE & IMPEDANCE CURVE\*





From design and manufacturing to the stage or studio. Once you've experienced the performance of Eminence, you'll never accept anything else.

# MISSION STATEMENT

Eminence is dedicated to providing the best Quality, Value and Service to meet our customers' needs.

# **FOOTNOTES**

- Please consult www.eminence.com for specifications of models with alternative impedances.
- \*\* Multiple units exceed published ratings evaluated under EIA 426A specification while tested in a free-air, non-temperature-controlled environment.
- \*\*\* The average output across the usable frequency range when applying 1W/1m into the nominal impedance. i.e:  $2.83V/8\Omega$ ,  $4V/16\Omega$ . Eminence response curves are measured under the following conditions: All speakers are tested at 1W/1m using a variety of test set-ups for the appropriate impedance | LMS using 0.25" supplied microphone (software calibrated) mounted 1m from wall/baffle | 2 ft. x 2 ft. baffle is built into the wall with the speaker mounted flush against a steel ring for minimum diffraction | Carver PM-120 amplifier | 2700 cu. ft. chamber with fiberglass on all six surfaces (three with custommade wedges).
- \*\*\*\* BETA 8CX, 10CX, and 12CX are coaxial speakers with tweeter sold separately. Published usable frequency response contingent upon use of ASD:1001 HF Driver.
- \*\*\*\*\* Multiple units exceeded published ratings evaluated under EIA-426A or AES specification while mounted on Eminence's H290, H290S, or H2EA horn in a non-temperature-controlled environment.
- \*\*\*\*\*\*The average on axis output across the entire usable frequency range when applying 1W/1m into the nominal impedance, i.e.  $2.83V/8\Omega$ ,  $4V/16\Omega$ . Eminence response curves are measured under the following conditions: All speakers are tested at 1W/1m using a variety of test set-ups for the appropriate impedance | LMS using 0.25'' supplied microphone (software calibrated) mounted 1m from wall/baffle | 2ft x 2ft baffle is built into the wall with horn front mounted | Carver PM-120 amplifier | 2700 cu.ft. chamber with fiberglass on all six surfaces (three with custom-made wedges).

Prices, specifications and product cosmetics are subject to change without notice.



