EMINENCE®

AMERICAN STANDARD SERIES

BETA-12A-2

Recommended for professional audio and bass guitar applications as a woofer in a vented enclosure. Also works well for PA in a sealed or bandpass enclosure.



SPECIFICATION

Nominal Basket Diameter	12.0", 305 mm
Nominal Impedance*	8 Ω
Power Rating**	
Watts	250 W
Music Program	500 W
Resonance	47 Hz
Usable Frequency Range	43 Hz – 3.8 kHz
Sensitivity***	98.0 dB
Magnet Weight	38 oz.
Gap Height	.312", 7.9 mm
Voice Coil Diameter	2.0", 51 mm

THIELE & SMALL PARAMETERS*

Fs	47 Hz
Re	5.00 Ω
Le	0.64 mH
Qms	6.00
Qes	0.50
Qts	0.46
Vas	4.24 cu.ft., 120.10 liters
Vd	237.0 cc
Cms	0.29 mm/N
BL	10.80 T-M
Mms	40 grams
EBP	94
Xmax	4.40 mm
Sd	538.9 cm2
Xlim	11.0 mm

MOUNTING INFORMATION

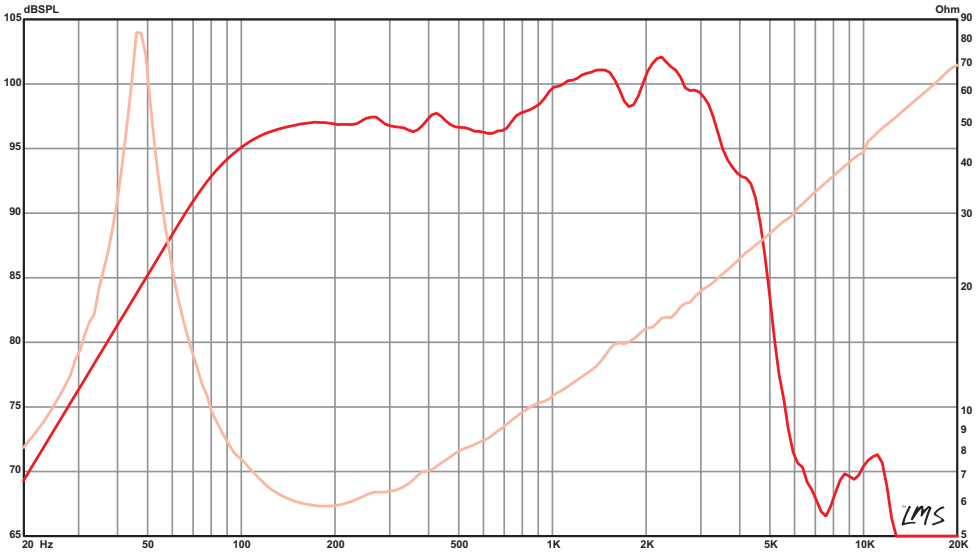
Recommended Enclosure Volume	
Sealed	25.50–35.40 liters, 0.90–1.25 cu.ft.
Vented	36.80–139.00 liters, 1.30–4.90 cu.ft.
Driver Volume Displaced	0.071 cu.ft., 2.00 liters
Overall Diameter	12.03", 305.6 mm
Baffle Hole Diameter	11.07", 281.2 mm
Front Sealing Gasket	Yes
Rear Sealing Gasket	Yes
Mounting Holes Diameter	0.25", 6.4 mm
Mounting Holes B.C.D.	11.59", 294.4 mm
Depth	4.57", 116.1 mm
Net Weight	7.50 lbs , 3.40 kg
Shipping Weight	9.70 lbs , 4.40 kg

MATERIALS OF CONSTRUCTION

- Copper voice coil
- Polyimide former
- Ferrite magnet
- Vented and extended core
- Pressed steel basket
- Paper cone
- Cloth cone edge
- Solid composition paper dust cap



FREQUENCY RESPONSE & IMPEDANCE CURVE*



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The Art and Science of Sound

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/8Ω, 4V/16Ω. 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 custom-made 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/8Ω, 4V/16Ω. 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.

EMINENCE SPEAKER LLC

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DESIGNED AND ASSEMBLED IN THE USA

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