

# AMERICAN STANDARD SERIES

## ALPHA-5

The Alpha 5 offers unmistakable performance with an emphasis on value. Rated at 250 watts program power, this 5" midbass features a water-resistant cone and dust cap, making it an excellent choice for line array or column array applications.

- 250 W Program Power
- 5" Nominal Diameter
- 8 Ω

APPLICATION		ENCLOSURE	
Full Range	<input checked="" type="checkbox"/>	Sealed Box	<input checked="" type="checkbox"/>
Midrange	<input checked="" type="checkbox"/>	Vented Box	<input checked="" type="checkbox"/>
Midbass	<input type="checkbox"/>	Scoop Loading	<input type="checkbox"/>
Woofer	<input type="checkbox"/>	Horn Loading	<input checked="" type="checkbox"/>
Subwoofer	<input type="checkbox"/>		
Bass Guitar	<input type="checkbox"/>		

### SPECIFICATION

Nominal Basket Diameter	5", 127 mm
Nominal Impedance*	8 Ω
Power Rating*	
Program Power	250 W
Nominal Power	125 W
Resonance	87 Hz
Usable Frequency Range	87 Hz – 3.5 kHz
Sensitivity*	89.4 dB
Magnet Weight	20 oz.
Gap Height	0.23", 5.84 mm
Voice Coil Diameter	1.5", 38 mm

### MATERIALS OF CONSTRUCTION

Aluminum voice coil
Polyimide former
Ferrite magnet
Vented core
Pressed steel basket
Water resistant cone pulp
Cloth cone edge
Water resistant paper dust cap



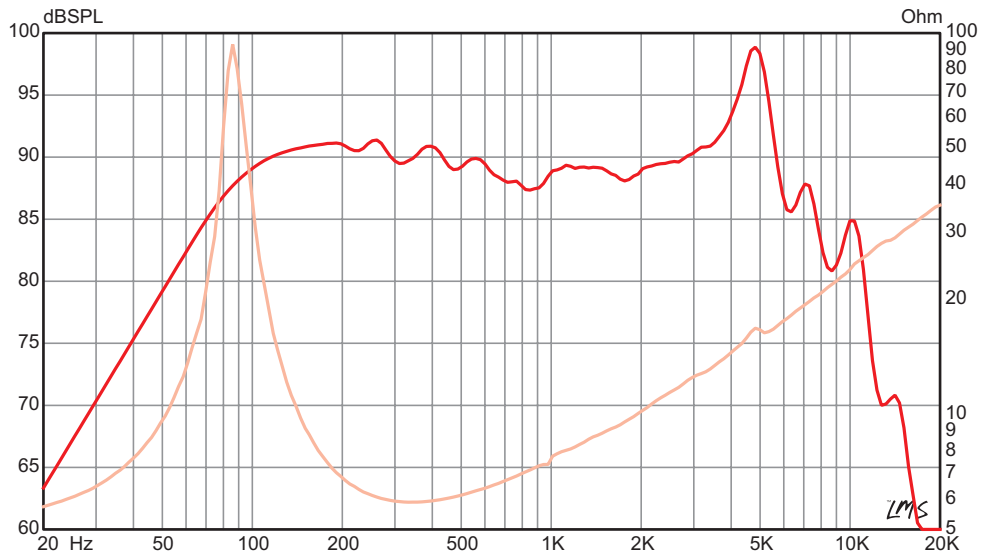
### THIELE & SMALL PARAMETERS

Fs	87 Hz
Re	5.0 Ω
Le	0.29 mH
Qms	11.81
Qes	0.56
Qts	0.54
Vas	0.22 cu.ft., 6.14 liters
Vd	60.75 cc
Cms	0.42 mm/N
BL	6.22 T-M
Mms	7.96 grams
EBP	154.56
Xmax	5.92 mm
Sd	102.61 cm <sup>2</sup>
Xlim	6.4 mm

### MOUNTING INFORMATION

Recommended Enclosure Volume	
Sealed	3.4–7.93 liters, 0.12–0.28 cu.ft.
Vented	6.8–14.16 liters, 0.24–0.5 cu.ft.
Driver Volume Displaced	0.018 cu.ft., 0.51 liters
Major Diameter	5.87", 149.1 mm
Flat to Flat Diameter	5.27", 133.86 mm
Baffle Hole Diameter	4.80", 121.92 mm
Front Sealing Gasket	Yes
Rear Sealing Gasket	Yes
Mounting Holes Diameter	0.197", 5.0 mm
Mounting Holes B.C.D.	5.39", 136.9 mm
Depth	2.91", 73.9 mm
Net Weight	3.1 lbs, 1.41 kg
Shipping Weight	3.5 lbs, 1.59 kg

### FREQUENCY RESPONSE & IMPEDANCE CURVE\*



VISIT [EMINENCE.COM](http://EMINENCE.COM) TO FIND A DEALER NEAR YOU.

\* See footnotes on page 2 for information regarding usable frequency range, nominal impedance, power rating and sensitivity.



*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](http://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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