AMERICAN STANDARD SERIES

ALPHA 3-8

The Eminence Alpha 3-8 is a truly versatile compact full-range driver perfectly suited for tight fitting pro audio line array and column array applications. With a program power rating of 60 watts, this 3" driver utilizes an 8.3 oz ferrite magnet in conjunction with an internal neodymium bucking magnet for increased sensitivity and extends the response out to 20kHz. The highly pressed cone sandwiches paper with a layer of water-resistant polypropylene for increased stiffness and lower distortion.

- 60 W Program Power
- 3.0" Nominal Diameter
- 8 Ω



APPLICATION

Full Range	✔
Midrange	✔
Midbass	
Woofer	
Subwoofer	
Bass Guitar	

ENCLOSURE

Sealed Box	✔
Vented Box	✔
Scoop Loading	
Horn Loading	

SPECIFICATION

Nominal Basket Diameter	3.0", 76 mm
Nominal Impedance*	8 Ω
Power Rating*	
Program Power	60 W
Nominal Power	30 W
Resonance	118 Hz
Usable Frequency Range	150 Hz – 20.0 kHz
Sensitivity*	88.6 dB
Magnet Weight	8 oz.
Gap Height	0.10", 2.5 mm
Voice Coil Diameter	0.787", 20 mm

THIELE & SMALL PARAMETERS

Fs	118 Hz
Re	5.12 Ω
Le	0.11 mH
Qms	7.94
Qes	0.53
Qts	0.50
Vas	0.03 cu.ft., 0.95 liters
Vd	6.9 cc
Cms	0.84 mm/N
BL	3.93 T-M
Mms	2 grams
EBP	220
Xmax	2.40 mm
Sd	28.6 cm2
Xlim	4.0 mm

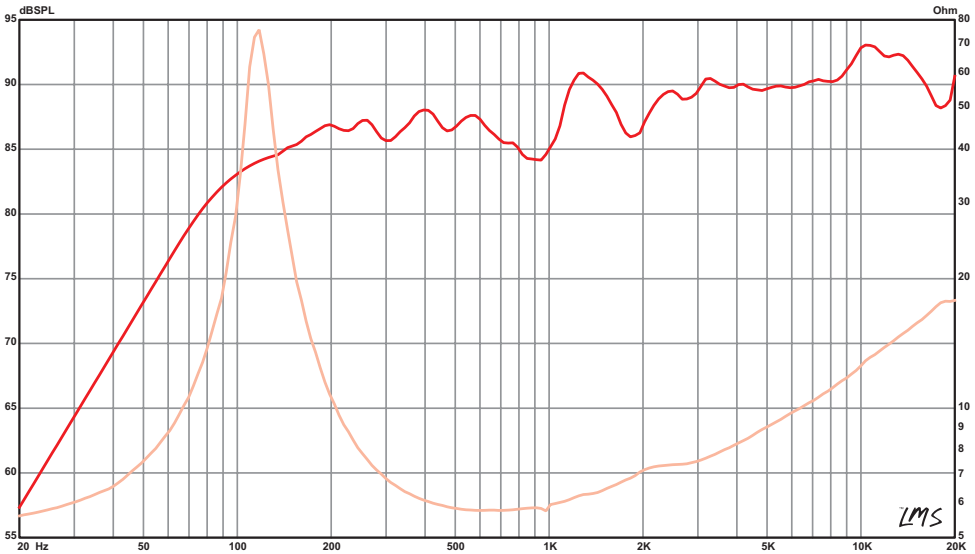
MOUNTING INFORMATION

Recommended Enclosure Volume	
Sealed	0.85–1.42 liters,
	0.03–0.05 cu.ft.
Vented	1.42–1.98 liters,
	0.05–0.07 cu.ft.
Driver Volume Displaced	0.005 cu.ft., 0.13 liters
Major Diameter	3.98", 101.1 mm
Flat to Flat Diameter	3.24", 82.3 mm
Baffle Hole Diameter	3.04", 77.2 mm
Front Sealing Gasket	Yes
Rear Sealing Gasket	Yes
Mounting Holes Diameter	0.16", 4.1 mm
Mounting Holes B.C.D.	3.63", 92.1 mm
Depth	1.76", 44.6 mm
Net Weight	0.90 lbs , 0.41 kg
Shipping Weight	1.10 lbs , 0.50 kg

MATERIALS OF CONSTRUCTION

- Copper voice coil
- Polyimide former
- Ferrite magnet
- Vented / Flux source cap
- Pressed steel basket
- Paper/Poly sandwich cone
- Poly cone edge
- Poly dust cap

FREQUENCY RESPONSE & IMPEDANCE CURVE*



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

EMINENCE®

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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