

AMERICAN STANDARD SERIES

ALPHA 2-8

New to the American Standard Series is the Alpha 2 full range driver. Ideal for tight fitting column and line array applications, the Alpha 2 features a 0.64" copper voice coil and 2.7 oz. ferrite magnet. With under spider venting and a flux source cap, this 8 ohm driver lets the heat out while containing the magnetic flux, which is critical for multi-unit designs packed tightly together. Rated at 30 watts program power, the Alpha 2 has a wide usable frequency range of 200 Hz – 20 kHz.

- 30 W Program Power
- 2" 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 type="checkbox"/>
Subwoofer	<input type="checkbox"/>		
Bass Guitar	<input type="checkbox"/>		

SPECIFICATION

Nominal Basket Diameter	2.0", 50.8 mm
Nominal Impedance*	8 Ω
Power Rating*	
Program Power	30 W
Nominal Power	20 W
Resonance	185 Hz
Usable Frequency Range	200 Hz – 20.0 kHz
Sensitivity*	83.8 dB
Magnet Weight	2.7 oz.
Gap Height	0.12", 3 mm
Voice Coil Diameter	0.64", 16.2 mm

MATERIALS OF CONSTRUCTION

Copper voice coil
Polyimide former
Ferrite magnet
Under Spider Venting
Pressed steel basket
Paper/Poly sandwich cone
Cloth cone edge
Poly dust cap



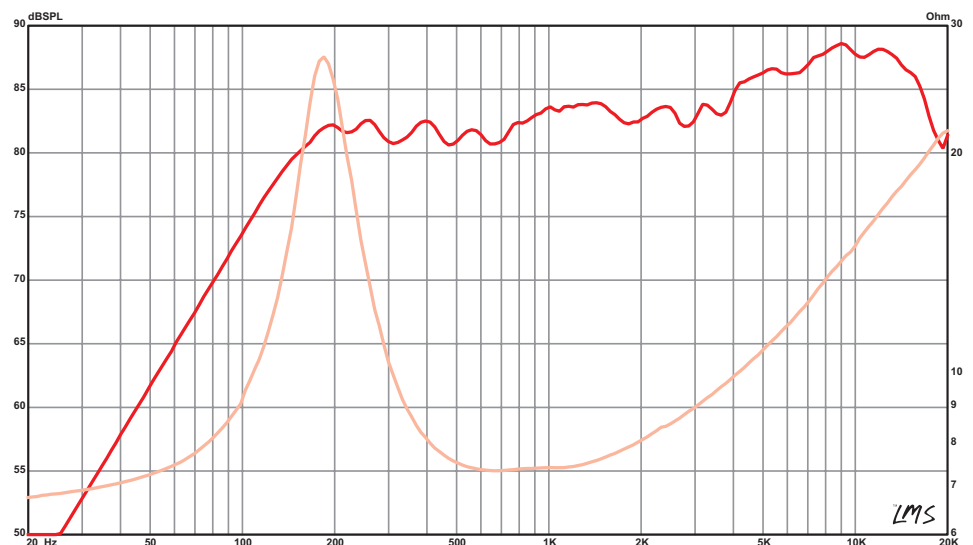
THIELE & SMALL PARAMETERS

Fs	185 Hz
Re	6.4 Ω
Le	0.13 mH
Qms	3.06
Qes	0.94
Qts	0.72
Vas	0.01 cu.ft., 0.18 liters
Vd	2.10 cc
Cms	0.84 mm/N
BL	2.64 T-M
Mms	0.88 grams
EBP	197.8
Xmax	1.7 mm
Sd	12.37 cm ²
Xlim	2.2 mm

MOUNTING INFORMATION

Recommended Enclosure Volume	
Sealed	0.42–0.54 liters,
	0.015–0.019 cu.ft.
Vented	0.37–0.57 liters,
	0.013–0.02 cu.ft.
Driver Volume Displaced	2.0 cu.in., 0.03 liters
Major Diameter	2.75", 69.9 mm
Flat to Flat Diameter	2.13", 54 mm
Baffle Hole Diameter	2.0", 50.8 mm
Front Sealing Gasket	Yes
Rear Sealing Gasket	No
Mounting Holes Diameter	0.15", 3.8 mm
Mounting Holes B.C.D.	2.363", 59.9 mm
Depth	1.63", 41.4 mm
Net Weight	0.40 lbs , 0.18 kg
Shipping Weight	(Sold in 4-packs) 2 lbs , 0.91 kg

FREQUENCY RESPONSE & IMPEDANCE CURVE*



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* 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 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.

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