



AMERICAN STANDARD SERIES

ALPHA-15A

Recommended for professional audio and bass guitar applications as a woofer in a vented or sealed enclosure.



SPECIFICATION

| | |
|-------------------------|-----------------|
| Nominal Basket Diameter | 15.0", 381 mm |
| Nominal Impedance* | 8 Ω |
| Power Rating** | |
| Watts | 200 W |
| Music Program | 400 W |
| Resonance | 41 Hz |
| Usable Frequency Range | 46 Hz – 3.5 kHz |
| Sensitivity*** | 97.0 dB |
| Magnet Weight | 25 oz. |
| Gap Height | .250", 6.4 mm |
| Voice Coil Diameter | 1.5", 38 mm |

THIELE & SMALL PARAMETERS*

| | |
|------|----------------------------|
| Fs | 41 Hz |
| Re | 5.88 Ω |
| Le | 0.84 mH |
| Qms | 7.23 |
| Qes | 1.53 |
| Qts | 1.26 |
| Vas | 9.18 cu.ft., 260.00 liters |
| Vd | 325.0 cc |
| Cms | 0.25 mm/N |
| BL | 7.70 T-M |
| Mms | 59 grams |
| EBP | 27 |
| Xmax | 3.80 mm |
| Sd | 856.3 cm ² |
| Xlim | 8.4 mm |

MOUNTING INFORMATION

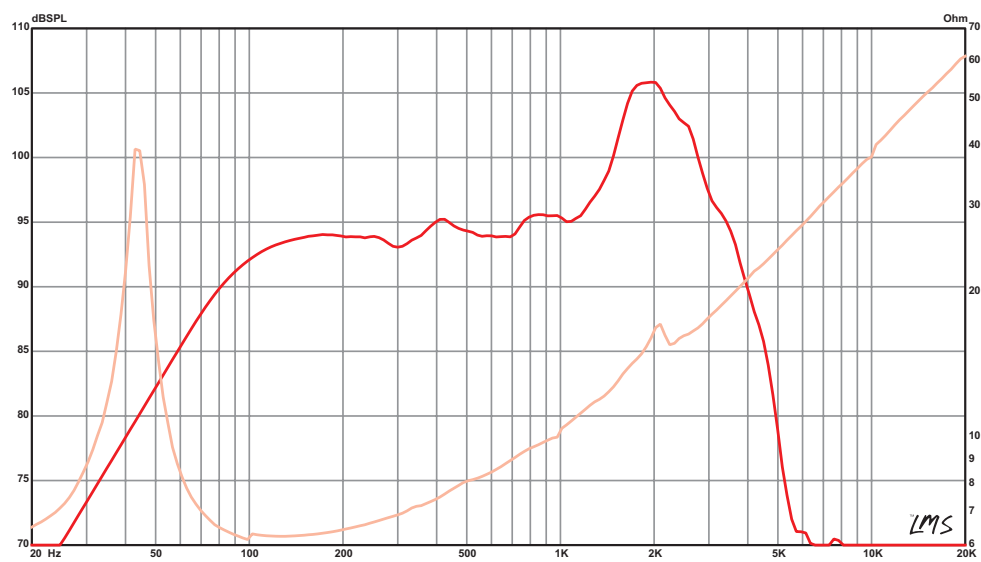
| | |
|------------------------------|---|
| Recommended Enclosure Volume | |
| Sealed | 71.00–85.00 liters, 2.50–3.00 cu.ft. |
| Vented | 106.00–177.00 liters, 3.75–6.25 cu.ft. |
| Driver Volume Displaced | 0.113 cu.ft., 3.21 liters |
| Overall Diameter | 15.15", 384.8 mm |
| Baffle Hole Diameter | 13.87", 352.3 mm |
| Front Sealing Gasket | Yes |
| Rear Sealing Gasket | Yes |
| Mounting Holes Diameter | 0.25", 6.4 mm |
| Mounting Holes B.C.D. | 14.56", 369.8 mm |
| Depth | 5.83", 148.1 mm |
| Net Weight | 6.70 lbs, 3.04 kg |
| Shipping Weight | 8.80 lbs, 3.99 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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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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