



## AMERICAN STANDARD SERIES

# BETA-6A

High power 6.5" Mid/Bass driver for use in concert sound systems or in high power auto sound as a mid/bass or a midrange driver. Works well in tiny sealed or vented enclosures, and in Infinite Baffles too.



### SPECIFICATION

|                         |                 |
|-------------------------|-----------------|
| Nominal Basket Diameter | 6.5", 165 mm    |
| Nominal Impedance*      | 8 Ω             |
| Power Rating**          |                 |
| Watts                   | 175 W           |
| Music Program           | 350 W           |
| Resonance               | 123 Hz          |
| Usable Frequency Range  | 95 Hz – 4.0 kHz |
| Sensitivity***          | 94.0 dB         |
| Magnet Weight           | 30 oz.          |
| Gap Height              | .250", 6.4 mm   |
| Voice Coil Diameter     | 2.0", 51 mm     |

### THIELE & SMALL PARAMETERS\*

|      |                          |
|------|--------------------------|
| Fs   | 123 Hz                   |
| Re   | 5.18 Ω                   |
| Le   | 0.43 mH                  |
| Qms  | 3.46                     |
| Qes  | 0.66                     |
| Qts  | 0.56                     |
| Vas  | 0.12 cu.ft., 3.51 liters |
| Vd   | 61.1 cc                  |
| Cms  | 0.15 mm/N                |
| BL   | 8.13 T-M                 |
| Mms  | 11 grams                 |
| EBP  | 185                      |
| Xmax | 4.50 mm                  |
| Sd   | 129.9 cm <sup>2</sup>    |
| Xlim | 5.7 mm                   |

### MOUNTING INFORMATION

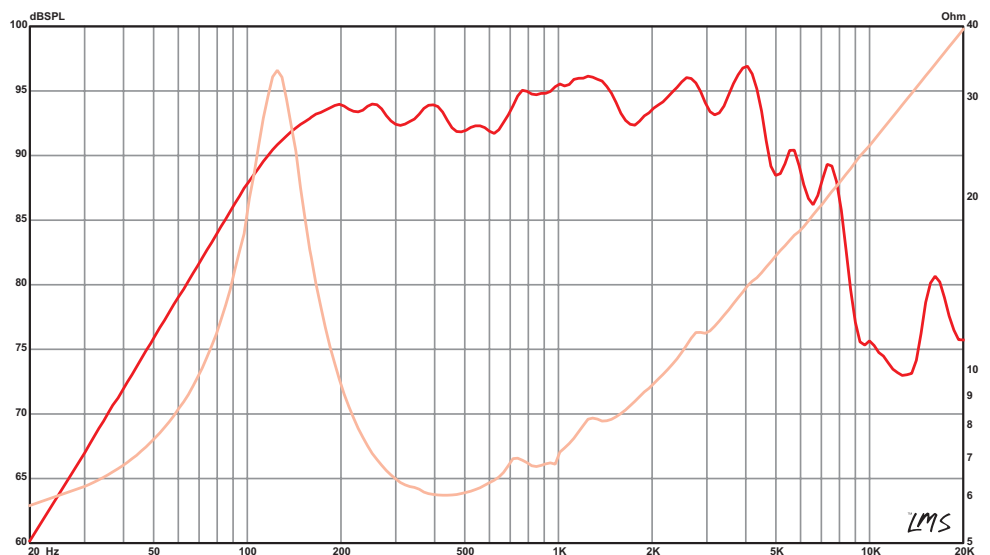
|                              |        |   |
|------------------------------|--------|---|
| Recommended Enclosure Volume | Sealed | 2.38–9999.99 liters,<br>0.08–9999.99 cu.ft. |
|                              | Vented | 5.10–14.16 liters,<br>0.18–0.50 cu.ft.      |
| Driver Volume Displaced      |        | 0.021 cu.ft., 0.60 liters                   |
| Overall Diameter             |        | 6.59", 167.4 mm                             |
| Baffle Hole Diameter         |        | 5.65", 143.5 mm                             |
| Front Sealing Gasket         |        | Yes   |
| Rear Sealing Gasket          |        | Yes   |
| Mounting Holes Diameter      |        | 0.23", 5.8 mm                               |
| Mounting Holes B.C.D.        |        | 6.06", 153.9 mm                             |
| Depth                        |        | 2.66", 67.6 mm                              |
| Net Weight                   |        | 5.60 lbs , 2.54 kg                          |
| Shipping Weight              |        | 6.30 lbs , 2.86 kg                          |

### MATERIALS OF CONSTRUCTION

- Aluminum voice coil
- Polyimide former
- Ferrite magnet
- Vented and extended core
- Pressed steel basket
- Water resistant paper cone
- Treated cloth cone edge
- Water resistant treated paper dust cap



### FREQUENCY RESPONSE & IMPEDANCE CURVE\*





*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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