



## NEODYMIUM SERIES

# ALPHALITE™ 6A

Lightweight pro audio mid/bass driver.  
For sealed, vented, or infinite baffle applications.



### SPECIFICATION

Nominal Basket Diameter	6.5", 165 mm
Nominal Impedance*	8 Ω
Power Rating**	
Watts	100 W
Music Program	200 W
Resonance	126 Hz
Usable Frequency Range	100 Hz – 5.5 kHz
Sensitivity***	94.0 dB
Magnet Weight	4 oz.
Gap Height	.250", 6.4 mm
Voice Coil Diameter	1.5", 38 mm

### THIELE & SMALL PARAMETERS\*

Fs	126 Hz
Re	7.30 Ω
Le	0.53 mH
Qms	6.51
Qes	0.61
Qts	0.56
Vas	0.17 cu.ft., 4.92 liters
Vd	46.0 cc
Cms	0.21 mm/N
BL	8.45 T-M
Mms	8 grams
EBP	205
Xmax	3.50 mm
Sd	129.9 cm <sup>2</sup>
Xlim	4.0 mm

### MOUNTING INFORMATION

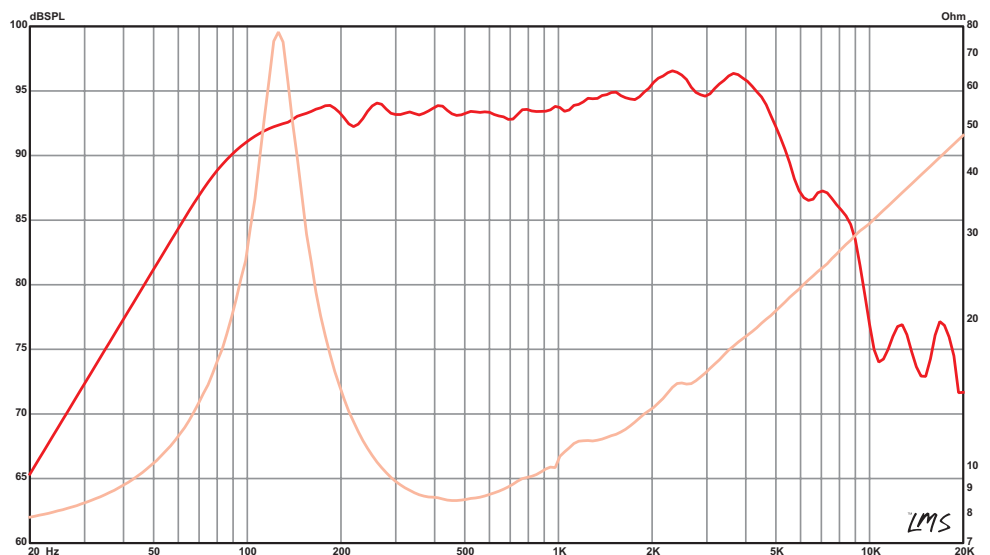
Recommended Enclosure Volume	
Sealed	2.83–566.00 liters, 0.10–20.00 cu.ft.
Vented	3.00–16.00 liters, 0.10–0.60 cu.ft.
Driver Volume Displaced	0.010 cu.ft., 0.27 liters
Overall Diameter	6.59", 167.4 mm
Baffle Hole Diameter	5.69", 144.5 mm
Front Sealing Gasket	Yes
Rear Sealing Gasket	Yes
Mounting Holes Diameter	0.23", 5.8 mm
Mounting Holes B.C.D.	6.06", 153.9 mm
Depth	2.40", 61.0 mm
Net Weight	2.20 lbs , 1.00 kg
Shipping Weight	2.90 lbs , 1.32 kg

### MATERIALS OF CONSTRUCTION

- Round copper voice coil
- Kapton former
- Neodymium magnet
- Vented and Extended core
- Pressed steel basket
- Paper cone
- Cloth cone edge
- 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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