

AMERICAN STANDARD SERIES

ALPHA 3-16

The Eminence Alpha 3-16 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
- 16 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 | 3.0", 76 mm |
| Nominal Impedance* | 16 Ω |
| Power Rating* | |
| Program Power | 60 W |
| Nominal Power | 30 W |
| Resonance | 112 Hz |
| Usable Frequency Range | 150 Hz – 20.0 kHz |
| Sensitivity* | 88.2 dB |
| Magnet Weight | 8 oz. |
| Gap Height | 0.08", 2.0 mm |
| Voice Coil Diameter | 0.79", 20 mm |

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 |



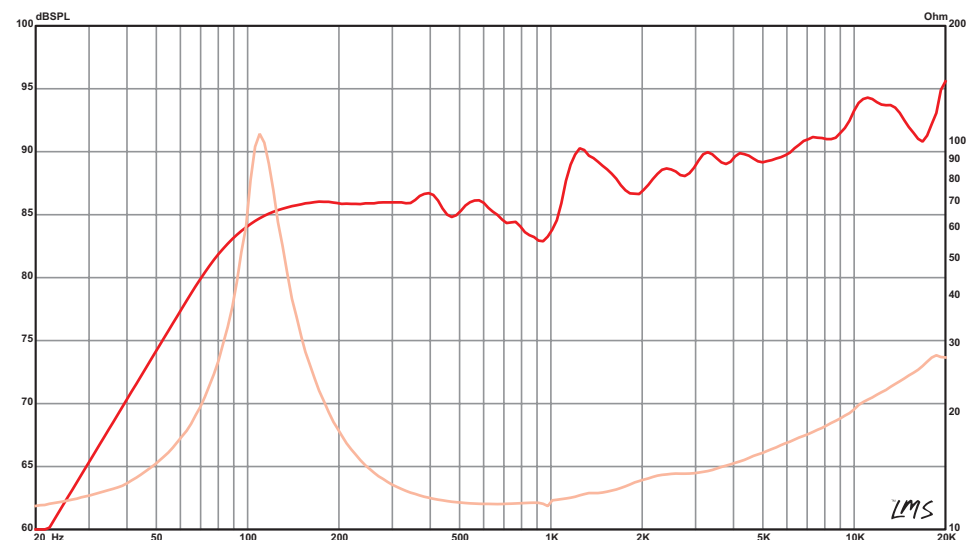
THIELE & SMALL PARAMETERS

| | |
|------|--------------------------|
| Fs | 112 Hz |
| Re | 10.53 Ω |
| Le | 0.14 mH |
| Qms | 5.89 |
| Qes | 0.66 |
| Qts | 0.59 |
| Vas | 0.04 cu.ft., 1.05 liters |
| Vd | 7.7 cc |
| Cms | 0.93 mm/N |
| BL | 4.95 T-M |
| Mms | 2.2 grams |
| EBP | 169 |
| Xmax | 2.70 mm |
| Sd | 28.6 cm ² |
| Xlim | 4.0 mm |

MOUNTING INFORMATION

| | | |
|------------------------------|--------|---------------------------------------|
| Recommended Enclosure Volume | Sealed | 1.05–1.70 liters, 0.04–0.06 cu.ft. |
| | Vented | 1.13–1.98 liters, 0.04–0.07 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 |

FREQUENCY RESPONSE & IMPEDANCE CURVE*



VISIT EMINENCE.COM TO FIND A DEALER NEAR YOU.

* 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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