LAB12C

Recommended for vented, sealed, and horn loaded, professional audio enclosures as a subwoofer. Also great as an automotive sub.

### SPECIFICATION

- **Nominal Basket Diameter**: 12.0", 305 mm
- **Nominal Impedance***: 4 Ω
- **Power Rating****: Watts
  - Music Program: 500 W
  - 1000 W
- **Music Program**: Hz
- **Resonance**: 23 Hz
- **Usable Frequency Range**: 25 Hz – 0.1 kHz
- **Sensitivity****: dB
- **Magnet Weight**: 160 oz.
- **Gap Height**: .375", 9.5 mm
- **Voice Coil Diameter**: 2.5", 64 mm

### THIELE & SMALL PARAMETERS *

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fs</td>
<td>23 Hz</td>
</tr>
<tr>
<td>Re</td>
<td>3.11 Ω</td>
</tr>
<tr>
<td>Le</td>
<td>1.09 mH</td>
</tr>
<tr>
<td>Qms</td>
<td>11.70</td>
</tr>
<tr>
<td>Qes</td>
<td>0.34</td>
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<tr>
<td>Vd</td>
<td>0.36 mm/N</td>
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<tr>
<td>BL</td>
<td>13.36 T-M</td>
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<tr>
<td>EBP</td>
<td>67</td>
</tr>
<tr>
<td>Xmax</td>
<td>13.00 mm</td>
</tr>
<tr>
<td>Sd</td>
<td>506.7 cm²</td>
</tr>
<tr>
<td>Xlim</td>
<td>22.0 mm</td>
</tr>
</tbody>
</table>

### MOUNTING INFORMATION

- **Recommended Enclosure Volume**
  - Sealed: 28.32–118.93 liters, 1.00–4.20 cu.ft.
  - Vented: 39.64–141.59 liters, 1.40–5.00 cu.ft.
- **Driver Volume Displaced**: 0.109 cu.ft., 3.09 liters
- **Overall Diameter**: 12.32", 312.9 mm
- **Baffle Hole Diameter**: 10.98", 278.9 mm
- **Front Sealing Gasket**: Yes
- **Rear Sealing Gasket**: N/A
- **Mounting Holes Diameter**: 0.26", 6.6 mm
- **Mounting Holes B.C.D.**: 6.44", 163.6 mm
- **Depth**: 11.77", 299.0 mm
- **Net Weight**: 22.0 lbs, 9.98 kg
- **Shipping Weight**: 23.80 lbs, 10.80 kg

### MATERIALS OF CONSTRUCTION

- Copper voice coil
- Polyimide former
- Double stacked 80 oz. ferrite magnets
- Vented and extended core
- 12-spoke die-cast aluminum basket
- Kevlar-reinforced paper cone
- Foam cone edge
- Dual inverted dust caps

### FREQUENCY RESPONSE & IMPEDANCE CURVE *

[Graph of 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.