



PROFESSIONAL SERIES

LAB12

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*	6 Ω
Power Rating**	
Watts	400 W
Music Program	800 W
Resonance	22 Hz
Usable Frequency Range	25 Hz – 0.1 kHz
Sensitivity***	89.2 dB
Magnet Weight	160 oz.
Gap Height	.375", 9.5 mm
Voice Coil Diameter	2.5", 64 mm

THIELE & SMALL PARAMETERS*

Fs	22 Hz
Re	4.29 Ω
Le	1.48 mH
Qms	13.32
Qes	0.39
Qts	0.38
Vas	4.42 cu.ft., 125.20 liters
Vd	659.0 cc
Cms	0.35 mm/N
BL	15.00 T-M
Mms	146 grams
EBP	56
Xmax	13.00 mm
Sd	506.7 cm ²
Xlim	22.0 mm

MOUNTING INFORMATION

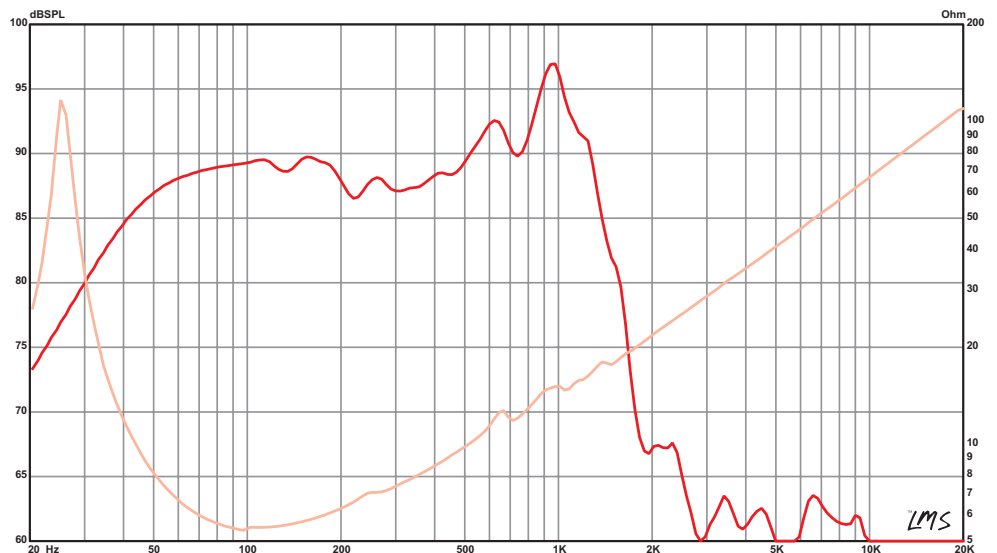
Recommended Enclosure Volume	
Sealed	22.70–28.30 liters, 0.80–1.00 cu.ft.
Vented	45.30–101.90 liters, 1.60–3.60 cu.ft.
Driver Volume Displaced	0.109 cu.ft., 3.09 liters
Overall Diameter	12.32", 312.9 mm
Baffle Hole Diameter	10.98", 278.9 mm
Front Sealing Gasket	Yes
Rear Sealing Gasket	N/A
Mounting Holes Diameter	0.26", 6.6 mm
Mounting Holes B.C.D.	11.77", 299.0 mm
Depth	6.44", 163.6 mm
Net Weight	22.00 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*



LEARN MORE AT EMINENCE.COM



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.

EMINENCE SPEAKER LLC

838 Mulberry Pike, Eminence, KY 40019



Follow us:

EMINENCE.COM

