



PROFESSIONAL SERIES

LA12850

A high power woofer in a shallow cast frame designed to work in ultra-compact vented systems and allow very tight packaging in line arrays or other systems where overall depth is limited.



SPECIFICATION

Nominal Basket Diameter	12.0", 305 mm
Nominal Impedance*	8 Ω
Power Rating**	
Watts	800 W
Music Program	1600 W
Resonance	46 Hz
Usable Frequency Range	63 Hz – 2.1 kHz
Sensitivity***	95.9 dB
Magnet Weight	109 oz.
Gap Height	.375", 9.5 mm
Voice Coil Diameter	4.0", 102 mm

THIELE & SMALL PARAMETERS*

Fs	46 Hz
Re	5.87 Ω
Le	0.96 mH
Qms	12.73
Qes	0.32
Qts	0.32
Vas	2.33 cu.ft., 66.07 liters
Vd	272.7 cc
Cms	0.16 mm/N
BL	19.51 T-M
Mms	73 grams
EBP	142
Xmax	5.00 mm
Sd	545.4 cm ²
Xlim	14.0 mm

MOUNTING INFORMATION

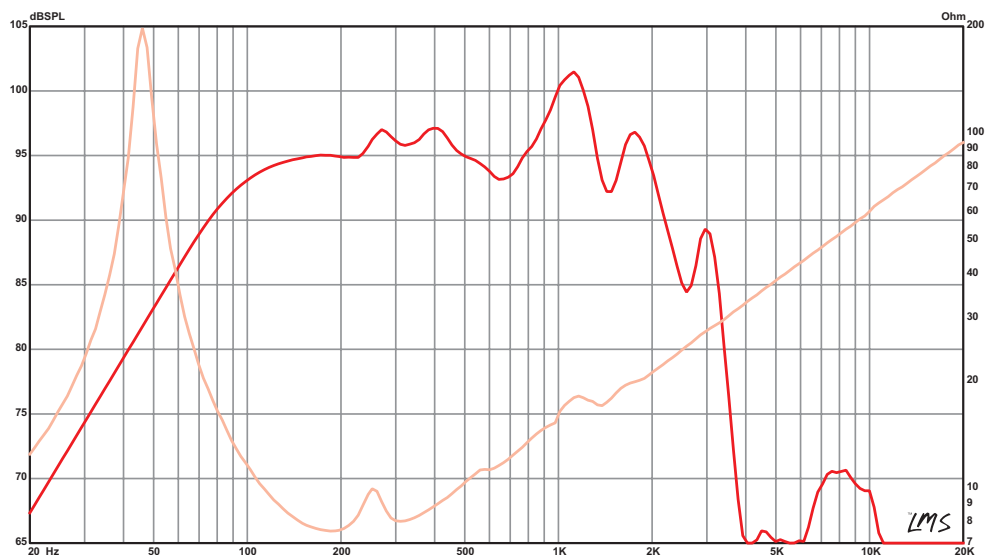
Recommended Enclosure Volume	
Sealed	– liters, 0.00– cu.ft.
Vented	31.15–77.87 liters, 1.10–2.75 cu.ft.
Driver Volume Displaced	0.102 cu.ft., 2.90 liters
Overall Diameter	12.32", 312.9 mm
Baffle Hole Diameter	11.08", 281.4 mm
Front Sealing Gasket	Yes
Rear Sealing Gasket	Yes
Mounting Holes Diameter	0.27", 6.8 mm
Mounting Holes B.C.D.	11.69", 297.0 mm
Depth	4.70", 119.4 mm
Net Weight	20.50 lbs , 9.30 kg
Shipping Weight	22.25 lbs , 10.09 kg

MATERIALS OF CONSTRUCTION

- _____ Copper voice coil
- _____ Polyimide former
- _____ Ferrite magnet
- _____ Core and Spider Land extended
- _____ Die-cast aluminum basket
- _____ Water resistant treated paper cone
- _____ Paper cone edge
- _____ Water resistant treated paper dust cap



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.

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