

NEODYMIUM SERIES

KL3010H0-8

Lightweight high-power, high-output midrange driver for use in small sealed and vented enclosures.

- 800 W Program Power
- 10" Nominal Diameter
- 8 Ω

APPLICATION		ENCLOSURE	
Midrange	<input type="checkbox"/>	Sealed Box	<input checked="" type="checkbox"/>
Midbass	<input checked="" type="checkbox"/>	Vented Box	<input checked="" type="checkbox"/>
Woofer	<input type="checkbox"/>	Scoop Loading	<input type="checkbox"/>
Subwoofer	<input type="checkbox"/>	Horn Loading	<input checked="" type="checkbox"/>
Bass Guitar	<input type="checkbox"/>		



SPECIFICATION

Nominal Basket Diameter	10", 254 mm
Nominal Impedance*	8 Ω
Power Rating*	
Program Power	800 W
Nominal Power	400 W
Resonance	61.9 Hz
Usable Frequency Range	400 Hz – 4.0 kHz
Sensitivity*	98.8 dB
Magnet Weight	11 oz.
Gap Height	0.365", 9.3 mm
Voice Coil Diameter	3.0", 76.2 mm

THIELE & SMALL PARAMETERS

Fs	61.97 Hz
Re	5.5 Ω
Le	0.43 mH
Qms	5.75
Qes	0.28
Qts	0.27
Vas	1.31 cu.ft., 37.21 liters
Vd	162.2 cc
Cms	0.2 mm/N
BL	16.05 T-M
Mms	33.65 grams
EBP	218.74
Xmax	4.43 mm
Sd	366.1 cm ²
Xlim	7.5 mm

MOUNTING INFORMATION

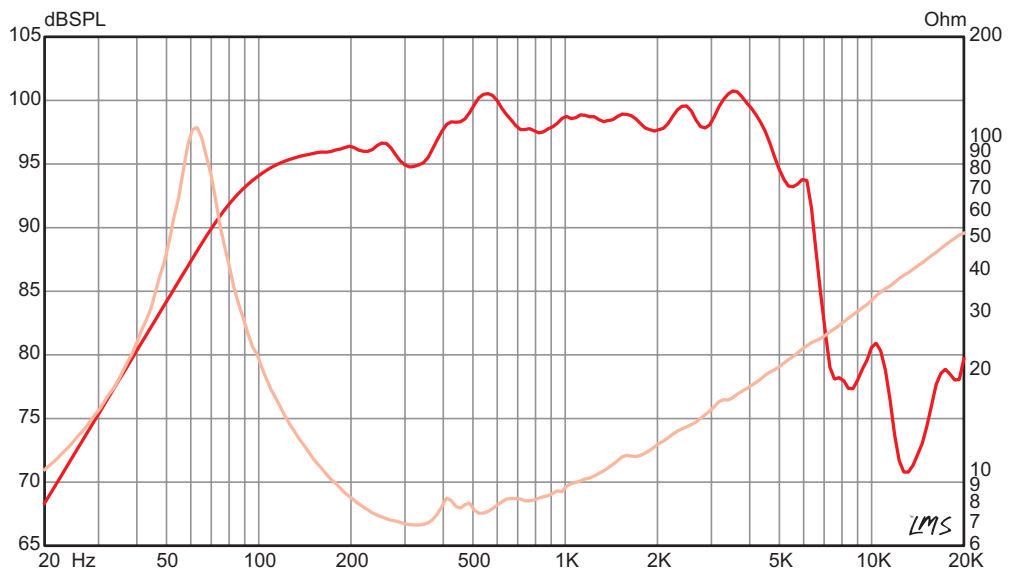
Recommended Enclosure Volume	
Sealed	0.35–9.91 liters, 0.75–21.24 cu.ft.
Vented	0.53–15.01 liters, 1.0–28.32 cu.ft.
Driver Volume Displaced	63.46 cu.in., 1.04 liters
Overall Diameter	10.25", 260.35 mm
Baffle Hole Diameter	9.12", 231.65 mm
Front Sealing Gasket	Yes
Rear Sealing Gasket	Yes
Mounting Holes Diameter	0.285", 7.24 mm
Mounting Holes B.C.D.	9.73", 247.14 mm
Depth	4.56", 115.9 mm
Net Weight	6.60 lbs, 2.99 kg
Shipping Weight	8.2 lbs, 3.72 kg

MATERIALS OF CONSTRUCTION

- Edge wound aluminum voice coil
- Fiberglass former
- Neodymium magnet
- Vented core
- Cast aluminum basket
- Paper cone
- Cloth cone edge
- Treated paper dust cap



FREQUENCY RESPONSE & IMPEDANCE CURVE*



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* 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.

EMINENCE SPEAKER LLC

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