EMINENCE®

PROFESSIONAL SERIES

OMEGA PRO-18A

Recommended for professional audio as a woofer in vented enclosures. Also ideal for horn loading and scoops.



SPECIFICATION

Nominal Basket Diameter	18.0", 457 mm
Nominal Impedance*	8 Ω
Power Rating**	
Watts	800 W
Music Program	1600 W
Resonance	25 Hz
Usable Frequency Range	40 Hz – 0.8 kHz
Sensitivity***	97.0 dB
Magnet Weight	109 oz.
Gap Height	.375", 9.5 mm
Voice Coil Diameter	4.0", 102 mm

THIELE & SMALL PARAMETERS*

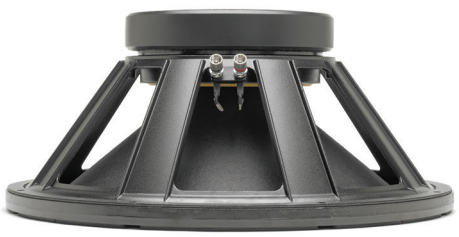
Fs	25 Hz
Re	5.20 Ω
Le	1.67 mH
Qms	8.18
Qes	0.32
Qts	0.31
Vas	19.38 cu.ft., 548.70 liters
Vd	556.0 cc
Cms	0.29 mm/N
BL	18.80 T-M
Mms	137 grams
EBP	79
Xmax	4.80 mm
Sd	1159.0 cm2
Xlim	16.0 mm

MOUNTING INFORMATION

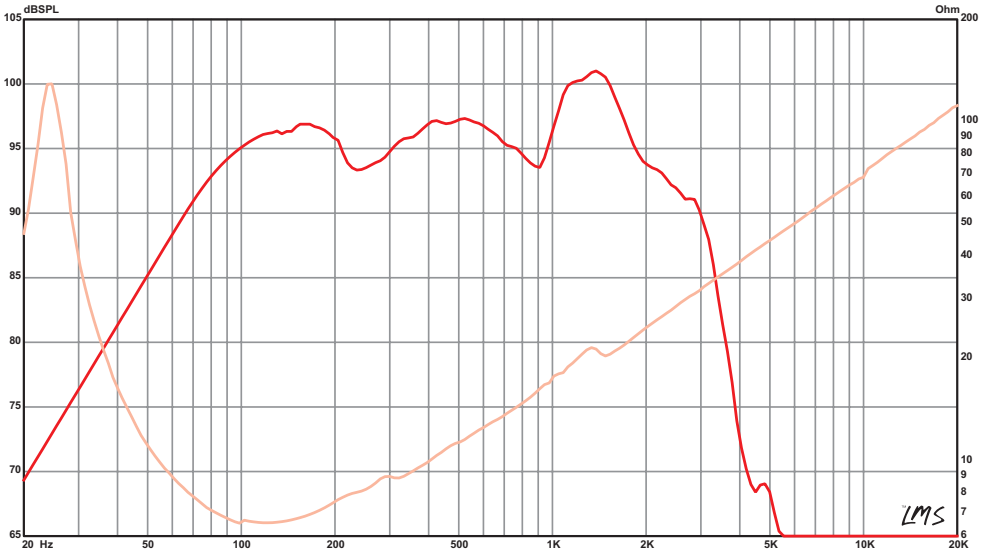
Recommended Enclosure Volume	
Sealed	N/A
Vented	96.00–198.00 liters, 3.40–7.00 cu.ft.
Driver Volume Displaced	0.234 cu.ft., 6.62 liters
Overall Diameter	18.00", 457.2 mm
Baffle Hole Diameter	16.56", 420.6 mm
Front Sealing Gasket	Yes
Rear Sealing Gasket	Yes
Mounting Holes Diameter	0.28", 7.1 mm
Mounting Holes B.C.D.	17.25", 438.2 mm
Depth	8.15", 207.0 mm
Net Weight	25.20 lbs , 11.43 kg
Shipping Weight	28.90 lbs , 13.11 kg

MATERIALS OF CONSTRUCTION

- Copper voice coil
- Polyimide former
- Ferrite magnet
- Vented and extended core
- Die-cast aluminum basket
- Paper cone
- Cloth cone edge
- Solid composition paper dust cap



FREQUENCY RESPONSE & IMPEDANCE CURVE*



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The Art and Science of Sound

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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DESIGNED AND ASSEMBLED IN THE USA

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