

## PROFESSIONAL SERIES

# PRO 5W-8

Small in size, large in performance. Featuring an advanced X5™ pulp cone, high temperature copper wire voice coil, and truncated cast frame chassis, the Pro 5W can handle your most demanding midbass, midrange, line array, or column array applications.



- Midrange
- Midbass
- Woofer
- Subwoofer
- Bass Guitar
- Sealed Box
- Vented Box
- Scoop Loading
- Horn Loading

### SPECIFICATION

Nominal Basket Diameter	5", 127 mm
Nominal Impedance*	8 Ω
Power Rating**	
Watts	75 W
Music Program	150 W
Resonance	95 Hz
Usable Frequency Range	120 Hz – 7.5 kHz
Sensitivity***	91.1 dB
Magnet Weight	15 oz.
Gap Height	0.315", 8 mm
Voice Coil Diameter	1", 25 mm

### THIELE & SMALL PARAMETERS\*

Fs	95 Hz
Re	5.43 Ω
Le	0.28 mH
Qms	3.35
Qes	0.35
Qts	0.32
Vas	0.15 cu.ft., 4.31 liters
Vd	19.7 cc
Cms	0.7 mm/N
BL	6.11 T-M
Mms	4 grams
EBP	271
Xmax	2.95 mm
Sd	66.6 cm <sup>2</sup>
Xlim	6 mm

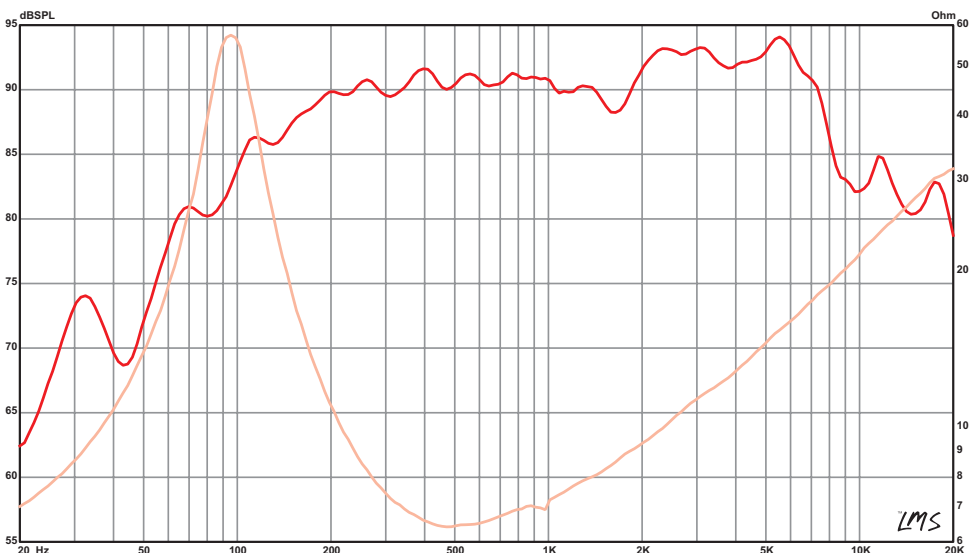
### MOUNTING INFORMATION

Recommended Enclosure Volume	
Sealed	1.98–3.11 liters, 0.07–0.11 cu.ft.
Vented	2.55–4.81 liters, 0.09–0.17 cu.ft.
Driver Volume Displaced	0.013 cu.ft., 0.36 liters
Major Diameter	5.25", 133.4 mm
Flat to Flat Diameter	4.74", 120.4 mm
Baffle Hole Diameter	4.28", 108.7 mm
Front Sealing Gasket	Yes
Rear Sealing Gasket	Yes
Mounting Holes Diameter	0.13", 3.2 mm
Mounting Holes B.C.D.	4.79", 121.7 mm
Depth	2.5", 63.5 mm
Net Weight	2.9 lbs, 1.32 kg
Shipping Weight	3.3 lbs, 1.5 kg

### MATERIALS OF CONSTRUCTION

- \_\_\_\_\_ Copper voice coil
- \_\_\_\_\_ Kapton former
- \_\_\_\_\_ Ferrite magnet
- \_\_\_\_\_ Vented and extended core
- \_\_\_\_\_ Die-cast aluminum basket
- \_\_\_\_\_ X5™ Pulp cone
- \_\_\_\_\_ Cloth cone edge
- \_\_\_\_\_ Treated paper dust cap
- \_\_\_\_\_
- \_\_\_\_\_

### FREQUENCY RESPONSE & IMPEDANCE CURVE\*





*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](http://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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