



**PEAVEY**<sup>®</sup>  
ARCHITECTURAL ACOUSTICS<sup>®</sup>

## A/A-2000T<sup>™</sup>

### Extended High Frequency Compression Driver

#### SPECIFICATIONS

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##### THROAT DIAMETER:

1 inch (25 mm)

##### NOMINAL IMPEDANCE:

8 ohms

##### DC RESISTANCE:

4.1 ohms

##### CONTINUOUS POWER CAPACITY:

40 watts 17.9 volts RMS of pink noise band limited from 500 Hz to 15,000 Hz applied continuously for 8 hours

##### PROGRAM POWER CAPACITY:

80 watts

##### SENSITIVITY:

111 dB SPL 1 watt @ 1 meter on axis on A/A 9045-1<sup>™</sup>

##### NOMINAL EFFICIENCY:

30% midband (500 - 3,200 Hz)

##### FREQUENCY RANGE:

500 - 20,000 Hz

##### REQUENCY RESPONSE:

+2 dB, 500 - 3,200 Hz, -3 dB @ 8,000 — 6 dB/octave roll off from

##### RECOMMENDED CROSSOVER:

500 Hz, 12 dB/octave

##### DIAPHRAGM:

0.001 (0.025 mm) pure titanium

##### VOICE COIL DIAMETER:

2.0 inches (50.8 mm)

##### VOICE COIL MATERIAL:

Copper clad aluminum

##### FLUX DENSITY:

17,500 Gauss (1.75T)

##### DIMENSIONS:

5.250" (133.3 mm) diameter x 3.28" (83.3 mm) depth

##### HORN COUPLING DIAMETER:

7/8 inch (22.2 mm)

##### HORN COUPLING THREADS:

Standard 13/8 - 18

##### NET WEIGHT:

5 lbs. 6 oz.

##### SHIPPING WEIGHT:

6 lbs. 5.5 oz.

#### DESCRIPTION

The AA-2000T<sup>™</sup> Compression Driver represents another advancement in the state of the sound reproduction. Utilizing the latest technologies in metallurgical science, the AA 2000T relies on an ultra durable aircraft grade titanium diaphragm to produce crystalline highs and transparent highly intelligible vocals.

Each driver is subjected to a complete series of computer based tests designed to ensure total adherence to specifications. The AA-2000T is a full 2 inch rigid diaphragm that, unlike some of the smaller diaphragm titanium compression drivers, combines the low distortion and very high power handling expected in a large diameter driver. The 500 Hz low frequency cut-off takes the AA-2000T from the low vocal range to the limits of audibility. Consistent with the expectations of all Peavey product, the AA-2000T combines all of the performance aspects demanded in a truly professional loudspeaker system.

## APPLICATIONS

The model AA-2000T is specifically designed and engineered for use with Architectural Acoustics horns, and such combinations of integrated design obviously result in the optimum performance package. An additional design and engineering objective for the model AA-2000T was its application to other horns, and the model AA-2000T is an excellent device for upgrading an older system with a minimum of expense. Factory adapters are available through Peavey Architectural Acoustic Dealers for coupling the model AA-2000T to the following horns:

(w/small adapter, A-1)-

Altec 511B, Altec 811, all JBL horns with 1" throats;

(w/medium adapter, A-2)-

Altec 311, all Altec horns with 1<sup>3</sup>/<sub>8</sub>" throats.

As its power handling capacity is very high and its response curve very smooth, the model AA-2000T permits a wide range of equalization without distortion from overload or diaphragm breakup

## INSTALLATION - DIAPHRAGM REPLACEMENT

Female spade lugs (supplied with each model AA-2000T) should be used for connecting the leads from the crossover to the terminals on the model AA-2000T. This will permit rapid field diaphragm replacement in the unlikely event of failure. AA-2000T Diaphragm Replacement Kits are available from Architectural Acoustic Dealers and include complete instructions for gap cleaning. (To prevent gap contamination by foreign materials, a failed Diaphragm Assembly should not be removed before a new Diaphragm Assembly is ready to be installed.)

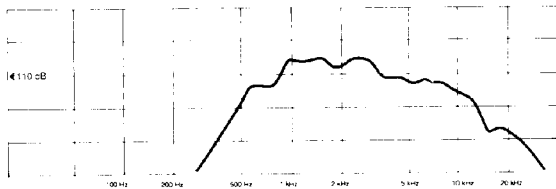


Figure 1. FREQUENCY RESPONSE  
0° 1W 1M 9045-1

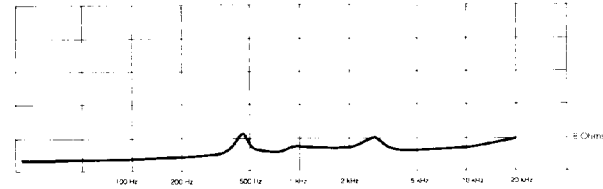


Figure 2. IMPEDANCE  
Measurements made with A/A 2000T loaded on a 9045-1

## LIMITED WARRANTY

Peavey Electronics Corporation warrants to the original purchaser of this new Architectural Acoustics product that it is free from defects in material and workmanship. If within one (1) year from date of purchase a properly installed product proves to be defective and Peavey is notified, Peavey will repair or replace it at no charge. (Note: Batteries and patch cords not covered.) "Original purchaser" means the customer for whom the product is originally installed.

Damage resulting from improper installation, interconnection of a unit or system of another manufacturer, accident or unreasonable use, neglect or any other cause not arising from defects in material and workmanship is not covered by this warranty. The warranty is valid only as to products purchased and installed in the United States.

**THIS LIMITED WARRANTY IS IN LIEU OF ANY AND ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE. UNDER NO CIRCUMSTANCES WILL PEAVEY BE LIABLE FOR ANY LOST PROFITS, LOST SAVINGS, INCIDENTAL DAMAGES OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PRODUCT, EVEN IF PEAVEY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. THIS LIMITED WARRANTY IS THE ONLY EXPRESSED WARRANTY ON THIS PRODUCT, AND NO OTHER STATEMENT, REPRESENTATION, WARRANTY, OR AGREEMENT BY ANY PERSON SHALL BE VALID OR BINDING UPON PEAVEY.**

Peavey's liability to the original purchaser for damages for any cause whatsoever and regardless of the form of action, is limited to the actual damages up to the greater of Five Hundred Dollars (\$500) or an amount equal to the purchase price of the product that caused the damage or that is the subject of or is directly related to the cause of action. This limitation of liability will not apply to claims for personal injury or damage to real property or tangible personal property allegedly caused by Peavey's negligence. For information on service under this warranty, call a Peavey customer service representative at (601) 483-5376.

**PEAVEY®**  
ARCHITECTURAL ACOUSTICS®

Features and specifications subject to change without notice.

A Division of Peavey Electronics Corporation  
711 A Street, P. O. Box 2898, Meridian, MS 39302-2898 / (601) 483-5376 / Telex 504115 / Fax (601) 484-4278  
#80301546