

SPECIFICATIONS



A/A-2000XT™

Extended High Frequency Compression Driver

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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™

Nominal Efficiency:

30% midband (500 to 3,200 Hz)

Frequency Range:

500 to 20,000 Hz

Frequency Response:

±2 dB, 500 to 3,200 Hz, -3 dB @ 8,000 and 6 dB/octave roll off from 8,000 to 20,000 Hz

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)

Horn Coupling Diameter:

7/8 inch (22.2 mm)

Horn Coupling Threads:

Standard 1-3/8 - 18

Dimensions:

5.25" (133.3 mm) diameter x 3.28" (83.3 mm) depth

Net Weight:

5 lbs. 6 oz.

Shipping Weight:

6 lbs. 5.5 oz.

DESCRIPTION

The A/A-2000XT™ Compression Driver represents another advancement in the state of the sound reproduction. Utilizing the latest technologies in metallurgical science, the A/A-2000XT 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 A/A-2000XT 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 A/A-2000XT from the low vocal range to the limits of audibility. Consistent with the expectations of all Peavey products, the A/A-2000XT combines all of the performance aspects demanded in a truly professional loudspeaker system.

APPLICATIONS

The model A/A-2000XT 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 A/A-2000XT was its application to other horns, and the model A/A-2000XT is an excellent device for upgrading an older system with a minimum of expense. Factory adapters are available through Peavey Architectural Acoustics Dealers for coupling the model A/A-2000XT to the following horns:

(with small adapter, A-1)

Altec 511B, Altec 811, and all JBL

horns with 1" throats;

(with medium adapter, A-2)

Altec 311 and all Altec horns with 1-3/8" throats.

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

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INSTALLATION - DIAPHRAGM REPLACEMENT

Female spade lugs (supplied with each model A/A-2000XT) should be used for connecting the leads from the crossover to the terminals on the model A/A-2000XT. This will permit rapid field diaphragm replacement in the unlikely event of failure. A/A-2000XT 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.)

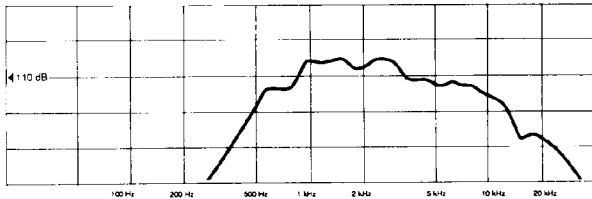


Figure 1. FREQUENCY RESPONSE
0° 1W 1M 9045-1

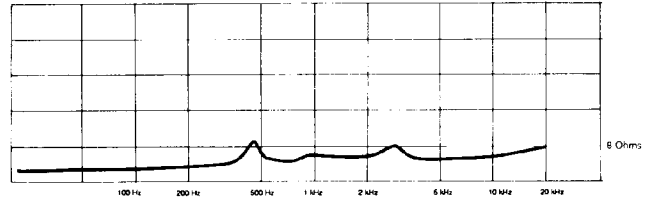


Figure 2. IMPEDANCE

Measurements made with A/A-2000XT 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 and Canada.

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.



Features and specifications subject to change without notice.

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