series



FEATURES

- » 2-way vented loudspeaker system
- » 8" cone speaker
- » 1" compression driver with constant directivity horn
- » 150 W power handling

SPECIFICATIONS

RMS (Average) Power Handling^R: 150 W Program Power Handling^P: 300 W Peak Power Handling^k: 600 W

On-axis Frequency Range: 64 Hz - 22 kHz

Nominal Impedance: Ω 8

Minimum Impedance: 7.6 Ω (at 237 Hz) On-axis Sensitivity 1W / 1 m: 91 dB SPL Rated Peak SPL at Full Power: 119 dB

Nominal -6 dB Beamwidths: 80° Horizontal x 80° Vertical

> **Enclosure Material:** Wisa® Birch Plywood

Black Paint Finish: Transducers/Replacement Parts: LF: 8 B/8 B HF: M-1/M-1

> 2 paralleled NL4 Speakon, wired to ±1 Connector:

45 x 25.3 x 29 cm Dimensions (H x W x D):

17.7 x 9.9 x 11.4 in Weight: 7.9 kg (17.4 lb)

ANL-2 Accessories (optional):

TRD-2 TRD-4

AXU-AT25/AXU-AT25W (White) AXW-1/AXW-1W (White)

INTRODUCTION

The D.A.S. Artec 8 is a 2-way vented loudspeaker system designed for applications covering speech reinforcement and program reproduction.

DESCRIPTION

The low end utilizes a high efficiency 8" low frequency speaker with 1.5" voice coil.

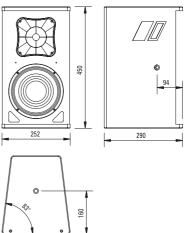
The high end makes use of a 1" annular diaphragm compression driver, coupled to a 80° x 80° horn.

The enclosure is manufactured from Wisa® Birch plywood and is finished with a durable black paint. The trapezoidal enclosure has 10 degree side angles for easier arraying.

The unit has a robust grille design internally lined with acoustically transparent filter cloth to protect the loudspeaker components. The covering is resistant to wear and tear, provides protection from dust and dirt.

4 integrated rigging points that accept 10M forged steel evebolts or "U" braket make suspension in either the horizontal or vertical positions safe and simple.

Optional 50W/100 W line transformers are available for use in 70 V/100 V distributed systems.



ALL DIMENSIONS IN MILIMETERS



R Based on a 2 hour test using a 6 dB crest factor pink noise signal bandlimited according to IEC 268-1 (1985). All power ratings are referred to the nominal impedance.

Conventionally 3 dB higher than the RMS measure, although this already utilizes a program signal.

K Corresponds to the signal crests for the test described in⁸.

ARTEC 8

FREQUENCY RESPONSE

Figure 1 shows the frequency response at 1 m of a unit radiating to a half space anechoic environment and driven by a 1 W (2.83 V) swept sine signal, and impedance curve.

DISTORTION

Figure 2 shows the Second Harmonic Distortion (grey) and Third Harmonic Distortion (dotted) curves for a unit driven at 10% of its nominal power handling rating.

DIRECTIVITY

Figure 3 shows normalized horizontal isobar plot.

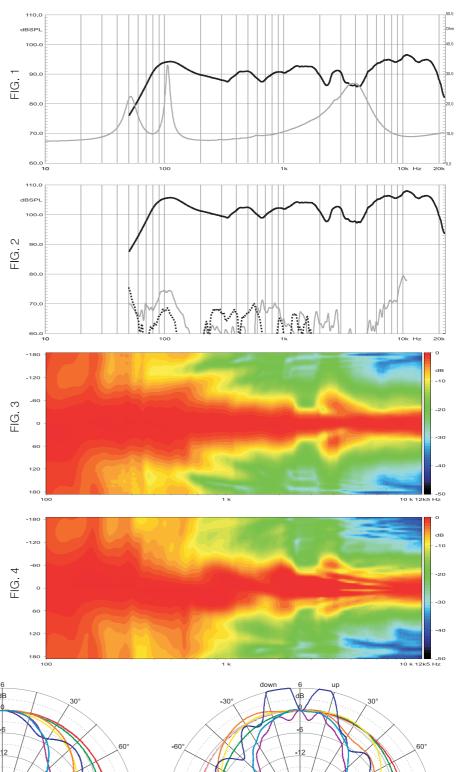
Figure 4 shows normalized vertical isobar plot.

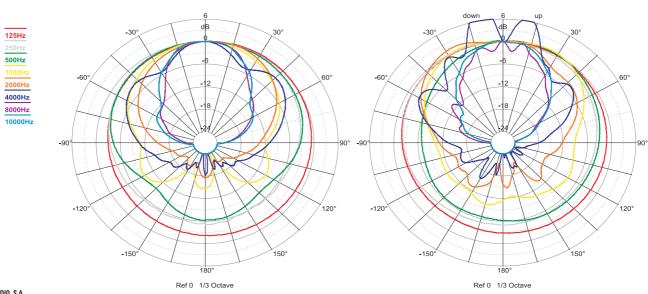
POLAR RESPONSE

Figure 5 shows the 1/3 octave band horizontal (left) and vertical (right) polars for the indicated frequencies. Full scale is 30 dB, 6 dB per division.

NOTES. 1.Frequency response: referred to 1 m; low end obtained through the use of near field techniques; one-third octave smoothed for correlation with human hearing. 5.Polars were acquired by placing the unit on a computer controlled turntable inside our anechoic chamber. Measurement distance was 4 m.

Product improvement through research and development is a continuous process at D.A.S. Audio. All specifications subject to change without notice.





Ci. Islas Baleares, 24 - 46988 Fuente del Jarro - Valencia, SPAIN Tel. 96 134 0525 - Tel. Intl. +34 96 134 0860 Fax. 96 134 0607 - Fax. Intl. +34 96 134 0607 D.A.S AUDIO of AMERICA, Inc.

Sunset Palmetto Park- 6816 NW 77th Court - Miami, FL 33166 U.S.A. TOLL FREE : 1-888DAS4USA Tel. 305 436 0521 - Fax. 305 436 0528 D.A.S. AUDIO ASIA PTE. Ltd.

2

25 Kaki Bukit Crescent #01-00/02-00 Kaki Bukit Techpark 1, Singapore 416256 - Tel. +65 6742 0151 - Fax: +65 6742 0157 D.A.S. AUDIO DEUTSCHLAND GmbH,

Frankfurter Str. 17, 64546 Mörfelden-Walldorf, Germany - Tel: +49 (0)6105 967610 Fax: +49 (0)6105 967611

http://www.dasaudio.com