Arco 4/Arco 4T series

**Introduction**

The D.A.S. Arco 4 is a 2-way vented loudspeaker system designed for background/foreground music and paging applications that is both compact in size and light in weight.

**Description**

The low end utilizes a 4" woofer with weather resistant polypropylene cone and 1" voice coil.

The high end makes use of a 19 mm neodymium dome tweeter for brilliant highs.

The high impact ABS enclosure is paintable and UV resistant.

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

A full-bandwidth overload safety circuit protects the speakers from damage.

Cabinets are equipped with 4 M6 rigging points and a safety cable attachment point.

Arco 4T version is equipped with factory-installed multi-tap transformer.

**Features**

- 2-way vented loudspeaker system
- 4" cone speaker
- 19 mm neodymium dome tweeter
- 100 W program power handling

**Specifications**

- **RMS (Average) Power Handling**: 50 W
- **Program Power Handling**: 100 W
- **Peak Power Handling**: 200 W
- **On-axis Frequency Range**: 72 Hz - 22 kHz
- **Nominal Impedance**: 8 Ω
- **Transformer Taps 100V**: 5 W, 10 W, 15 W
- **70V**: 2.5 W, 5 W, 7.5 W
- **On-axis Sensitivity 1W / 1 m**: 86 dB SPL
- **Rated Peak SPL at Full Power**: 109 dB
- **Nominal -6 dB Beamwidths**: 90º Horizontal x 90º Vertical
- **Enclosure Material**: High Impact ABS
- **Color/Finish**: Black or White
- **Transducers/Replacement Parts**: LF: 4G/4G
- **HF: TWT-4/TWT-4**
- **Connector**: Spring-Loaded Terminals
- **Dimensions (H x W x D)**: 21 x 14 x 14 cm
- **8.7 x 5.5 x 5.5 in**
- **Weight**: 1.6 kg (3.5 lb)
- **Accessories (optional)**: AX-4RM (Included), AXU-AC4, AXA-AC

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*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.

*Corresponds to the signal crests for the test described in."
**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 (rised 20 dB for clarity) 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.

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**ARGO 4**

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