

Arco 24/Arco 24T...ARCO series



FEATURES

- » 2-way vented loudspeaker system
- » 2 x 4" cone speaker
- » 25 mm neodymium dome tweeter
- » 200 W program power handling

SPECIFICATIONS

RMS (Average) Power Handling^R:	100 W
Program Power Handling^P:	200 W
Peak Power Handling^K:	400 W
On-axis Frequency Range:	65 Hz - 22 kHz
Nominal Impedance:	8 Ω
Transformer Taps 100V:	10 W , 20 W, 30 W
70V:	5 W , 10 W, 15 W
On-axis Sensitivity 1W / 1 m:	89 dB SPL
Rated Peak SPL at Full Power:	115 dB
Nominal -6 dB Beamwidths:	80° Horizontal x 70° Vertical
Enclosure Material:	High Impact ABS
Color/Finish:	Black or White
Transducers/Replacement Parts:	LF: 2 x 4G4/4G4 HF: TWT-24/TWT-24
Connector:	Spring-Loaded Terminals
Dimensions (H x W x D):	34 x 15 x 15 cm 17.7 x 5.9 x 5.9 in
Weight:	2.6 kg (5.7 lb)
Accessories (optional):	AX-4RM (Included) AXU-AC24 AXA-AC

INTRODUCTION

The D.A.S. Arco 24 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 two 4" woofers with weather resistant polypropylene cones and 1" voice coils.

The high end makes use of a 25 mm neodymium dome tweeter for brilliant highs.

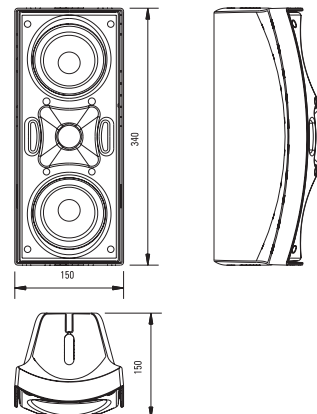
The high impact ABS enclosure is paintable and UV resistant.

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 24T version is equipped with factory-installed multi-tap transformer.



ALL DIMENSIONS IN MILLIMETERS

^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.

^P 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 in^R.

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

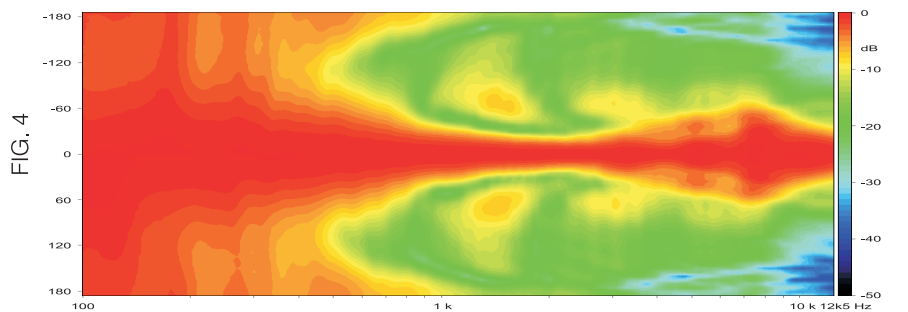
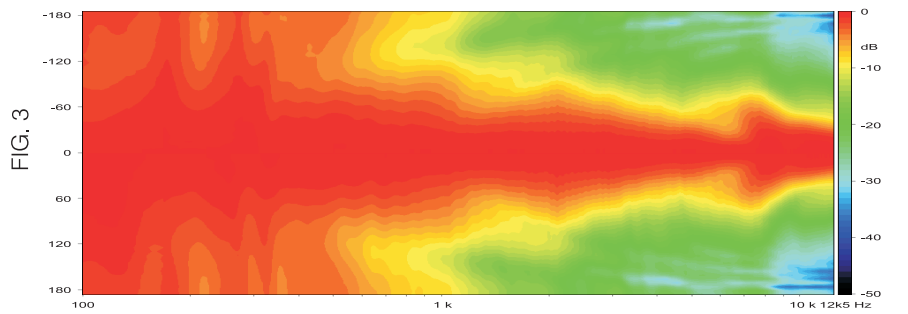
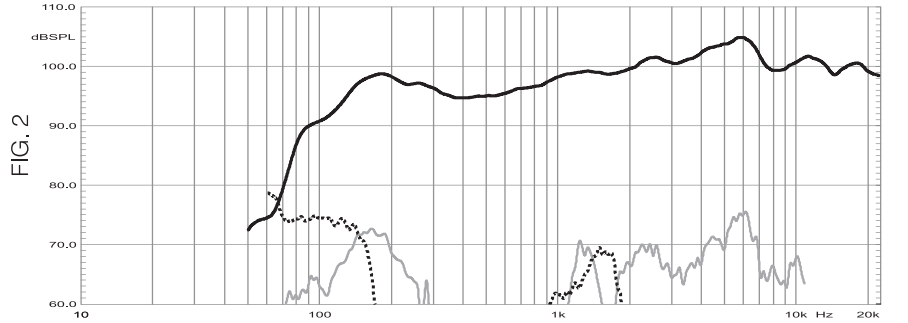
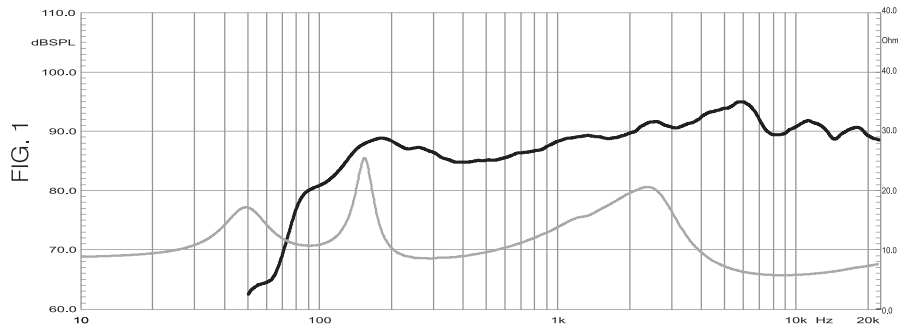
Figure 2 shows the Second Harmonic Distortion (grey) and Third Harmonic Distortion (dotted) curves (rised 10 dB for clarity) for a unit driven at 10% of its nominal power handling rating.

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.

