

# Arc

## AT-35

Passive fullrange speaker for fixed installations, 12" / 1", 500 W, 130 dB  
SPL max., approx. 380 × 585 × 410 mm



# Arc AT-35

The AT-35 is a passive fullrange speaker for fixed installations. It impresses with its high performance, power rating and versatile applications. In addition to outstanding technical features, the models of the Arc series are generally characterized by their attractive design.



## Main features

- 12" / 1" compression driver (1.75" diaphragm), rotatable CD horn, electronic high frequency protection
- Nominal power rating: 500 watts at 8 ohms
- Dispersion: 90° × 60° or 60° × 40° (H × V)
- SPL max.: 130 dB
- Connections: 2 × Speakon and 8-pole Phoenix connector
- High-quality wooden enclosure (multiplex birch)
- Available in RAL Classic, NCS or Pantone colors on request
- Various mounting options
- Optionally available with weatherproof PU coating
- In order to ensure performance and operational safety, Fohhn system amplifiers including the correct speaker preset are required.



Available with the following color options



Black



White

Equipped with the following Fohhn technologies



100 V optional



Special colors optional



Ball impact resistant

# Technical data

## Electroacoustic features

|                            |   |
|----------------------------|---|
| acoustic design            | passive loudspeaker, 2-way, vented design   |
| power rating (nominal)     | 500 watts   |
| power rating (program)     | 1000 watts  |
| power rating (peak)        | 2000 watts  |
| components                 | 12" / 1" on rotatable CD-horn, with self-resetting IPC[*]-HF protection, fully neodym |
| sensitivity                | 99 dB   |
| maximum SPL                | 130 dB  |
| frequency range            | 45 Hz – 20 kHz  |
| 2-way design               | yes   |
| nominal impedance          | 8 ohms  |
| nominal dispersion (h × v) | 90° × 60° or 60° × 40°  |

## Physical features

|                        |   |
|------------------------|---|
| enclosure              | multiplex birch plywood, reinforced with steel braces |
| front design           | acoustic foam, same colour as enclosure               |
| protection grille      | steel grille, ball impact resistant, powder-coated    |
| weight                 | approx. 20 kg   |
| standard colours       | textured paint, black or white                        |
| mounting points        | 9 × M8 and 3 × M6 thread                              |
| connectors             | 2 × Neutrik NL4 Speakon and 8-pole Phoenix connector  |
| dimensions (W × H × D) | approx. 380 × 585 × 410 mm                            |

## Optional features

|                              |   |
|------------------------------|---|
| optional weather protection  | polyurethane coating, water-repellent speaker cone impregnation |
| integrated 100 V transformer | 120 W / 60 W / 30 W or 240 W / 120 W / 60 W                     |
| optional colours             | RAL Classic / NCS / Pantone on request                          |

## CAAD simulation data

|                 |                               |
|-----------------|-------------------------------|
| simulation data | EASE, Ulysses, Fohhn Designer |
|-----------------|-------------------------------|

power rating (nominal/program): according to IEC-60268-5 (long term/short term)

power rating (peak); maximum SPL: peak, 20 ms with bandpass filtered pink noise signal according to IEC 60268-2 at one octave above the lower limit of the frequency range, with speaker preset

sensitivity: 2,83 V at 8 ohms (2 V at 4 ohms, 4 V at 16 ohms) at a distance of 1 m under anechoic fullspace conditions

frequency range: -10 dB under anechoic halfspace-conditions with speaker preset

weight: net weight without optional equipment

nominal dispersion: -6 dB compared to the main dispersion axis

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