

# Arc

## AT-40

Passive fullrange speaker for fixed installations, 12" / 1.4", 500 W, 131 dB SPL max., approx. 380 × 585 × 410 mm



# Arc AT-40

The AT-40 is a passive fullrange speaker for fixed installations. It features a high power rating and an excellent performance and throughput capacity. In addition to outstanding technical features, the models of the Arc series are generally characterized by their attractive design.



## Main features

- 12" / 1.4" compression driver (3.5" diaphragm), rotatable CD horn
- Electronic high frequency protection
- Nominal power rating: 500 watts at 8 ohms
- Dispersion: 80° × 50° or 60° × 50° (H × V)
- SPL max.: 131 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
- Optionally available with weatherproof PU coating
- Various mounting options
- 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" / 1.4" on rotatable CD-horn, with self-resetting IPC[*]-HF protection, fully neodym
sensitivity	100 dB
maximum SPL	131 dB
frequency range	45 Hz – 20 kHz
2-way design	yes
nominal impedance	8 ohms
nominal dispersion (h × v)	80° × 50° or 60° × 50°

Physical features	
enclosure	multiplex birch plywood, reinforced with steel braces
connectors	2 × Neutrik NL4 Speakon and 8-pole Phoenix connector
dimensions (w × h × d)	approx. 380 × 585 × 410 mm
weight	approx. 24 kg
standard colours	textured paint, black or white
front design	acoustic foam, same colour as enclosure
protection grille	steel grille, ball impact resistant, powder-coated
mounting points	9 × M8 and 3 × M6 thread

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

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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