

Arc

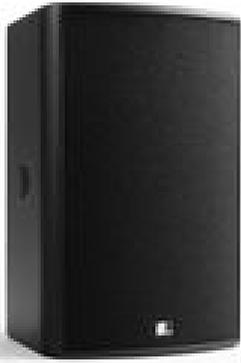
AT-40

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
nominal impedance	8 ohms
2-way design	yes
nominal dispersion (h x v)	80° x 50° or 60° x 50°

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. 24 kg
standard colours	textured paint, black or white
mounting points	9 x M8 and 3 x M6 thread
connectors	2 x Neutrik NL4 Speakon and 8-pole Phoenix connector
dimensions (W x H x D)	approx. 380 x 585 x 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
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power rating (nominal/program): according to IEC-60268-5

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

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

weight: net weight without optional equipment

Intelligent Protection Circuit (IPC): voltage-controlled semiconductor circuit protecting the HF-driver against overload highly effective and with very short attack time

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

heat dissipation: pink noise, 6 dB crest, 1/4 Pmax

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