



Frequency Range: -3 dB at 42 Hz and 18 kHz when positioned with back against a wall (32 Hz—20 kHz according to DIN).

Frequency Response: The direct frequency response is measured using a sine tone and in a free sound field with the measuring microphone placed in the median plane of the drive units and at a height of 0.2 m above the plane extending from the bottom of the loudspeaker and at a minimum distance of 1 m from the loudspeaker, and is flat within ± 2 dB from 300 Hz to 17 kHz. The response below 300 Hz is attenuated to counterbalance the increase in efficiency caused by a reflecting wall directly behind the loudspeaker.

Distortion: At a nominal input of 5 W, corresponding to a sound level of 94 dB at 1 m from the loudspeaker in a free sound field, the total harmonic distortion between 300 and 7,000 Hz is less than 0.4 %, with the exception of occasional peaks at 2 to 3 Hz approaching 0.8 %.

Sensitivity: 87 dB (1 W, 1 m).

Impedance: 8 Ω nominal (not less than 8 Ω from 5 Hz upwards) with phase angle not exceeding $\pm 28^\circ$.

Power Handling Capacity: 100 W undistorted music programme.

Input Terminals: The OA-51 is equipped with special input sockets for insulated banana plugs. Normal 4 mm banana plugs and double banana plugs with 19 mm pitch can also be used. The sockets, which are gold-plated, are rated for 35 A and are located at the lower back corner of the outward facing side walls.

Dimensions: 430 mm(W) $\times$ 302 mm (H) $\times$ 276 mm(D) including front cover but excluding absorbent panel.

Weight: 11 kg each.

Finishes: Walnut, rosewood and black ash veneer as well as white lacquer are standard finishes. Other finishes are available on request. The back wall incorporates flush-mounted wall hanging brackets.

Units of Delivery: The OA-51 system is supplied in mirror image pairs of matched veneer.

Carlsson Ortho-Acoustic Systems