



Features

- Subwoofer pair for premium-quality playback of low-frequency airborne sound components
- Low bass playback in the range from 25 Hz to 120 Hz (-10 dB)

The lower cut-off frequency depends largely on the excited room volume. The smaller the space, the more clearly the lower cut-off frequency can be shifted downwards, which is measured in the free field. Depending on the application, a low-bass playback in the range of 10 Hz to 120 Hz is possible.

- Direction-independent sound radiation
- Rugged band-pass housing with two woofers in push-pull arrangement
- Closed design for membrane protection
- Power amplifier and necessary cabling included
- Adjustable input voltage range for high-end power amplifier

Applications

- Realistic playback of sound scenarios with the need for low frequencies, e.g. in listening studios

Scope of supply

- HSW I (Code 2950)
2 x HEAD subwoofer
- High-end power amplifier DC 5 from KMT
- 2 x Speakon cable, 10 m (32 ft)
- 2 x CXX II.3 (Code 5177-3)
Cable AES/EBU XLR 3-pin male ↔ XLR 3-pin female, 2.95 m (118")

Recommended accessories

- *labO2* (Code 3731)
2-channel playback equalizer with Line outputs and USB interface
- *labO2-V1* (Code 3731-V1)
2-channel playback equalizer with Line outputs, headphone connector, and USB interface
- HPL (Code 2968)
2 x High Precision Loudspeaker

DATA SHEET

HSW I (Code 2950)

Bandpass subwoofer pair from HEAD acoustics for high-quality low frequency playback in large rooms

Overview

The HSW I is a subwoofer from HEAD acoustics suitable for high-quality playback, for example, in listening studios.

User experience has shown that the perceptive judgment of sounds is considerably more reliable if, in addition to normal headphone or speaker playback, low-frequency airborne sound components are accounted for as well.

In this respect, the HSW I, as optimized for low frequencies, is an excellent supplement for the headphones from HEAD acoustics. The Subwoofer can be filtered by *labO2/labO2-V1* (or *labP2/labP2-V1* for the headphones respectively) to grant an aurally correct playback.

Listening tests with the jury testing purpose can be performed with a higher consistency between the real sound and its recording perceived in the test than in the case of a headphone-/speaker-only playback.

The HSW I subwoofers are connected to the included power amplifier KMT DC5.

Technical Data

HSW I

Nominal load:	450 W _{RMS}
Nominal impedance:	4 Ohms
Frequency response (free field):	25 Hz to 120 Hz (-10 dB)
Enclosure design:	Bandpass (push-pull arrangement)
Dimensions:	455 x 455 x 690 mm (WxDxH) (18" x 18" x 27")
Weight (1 pcs):	46 kg (101 lb)

Power Amplifier DC 5 (included)

Power (sin.) on 8 Ohms:	2 x 320 W
Power (sin.) on 4 Ohms:	2 x 450 W
Power (sin.) on 2 Ohms:	2 x 520 W
Power (sin.) an 4 Ohms, bridged:	1 x 1000 W
Frequency response:	20 Hz to 20000 Hz
Rise rate:	35 V/ μ s
Total distortion:	0.01 %
Attenuation factor at 8 Ohms / 1 kHz:	300
Signal to noise ratio:	>100 dB
Input impedance (symmetric):	20 kOhms
Channel separation:	>65 dB
Input sensitivity:	Constant gain 33 dB / 1 V
Input connectors:	XLR
Output connectors:	Speakon
Dimensions:	482 x 358 x 44 mm (WxDxH) (19" x 14" x 1.7")
Weight:	10 kg (22 lb)