

- **Ultra Compact High-power subwoofer**
- **Simple parallel connection to existing loudspeaker by switchable lowpass filter**
- **„Electronic assisted“ bandpass technology for best SPL (130 dB SPL peak/1m)**
- **15" long excursion transducer with 114 mm voice coil**
- **Subbass down to 40 Hz (-10dB)**

The SW115D-XO is a front-loaded optimum tuned bassreflex enclosure with switchable lowpass filter. The combination of transducer, enclosure and lowpass filter make up „the electronic assisted bandpass-technology“, which gives 5 dB better response at 80 Hz.

The subwoofer SW115D-XO can be connected in parallel to existing full-range or satellite loudspeakers. The lowpass filter can be switched off and the subwoofer can then be used in an active set-up. The powerful subbass reproduction (-10 dB at 40 Hz ) is impressive in both active and passive mode. The SW115D-XO has been designed for use in all the situations where you need high SPL and space is limited.

In the compact subwoofer SW115D-XO a newly designed 15" high-power transducer is used which is specially made for Kling & Freitag. With inside and outside air-cooled 114 mm flat wire voice coil, long excursion, double spider, and a very stable membrane, this is one of the most powerful 15" speakers on the market.

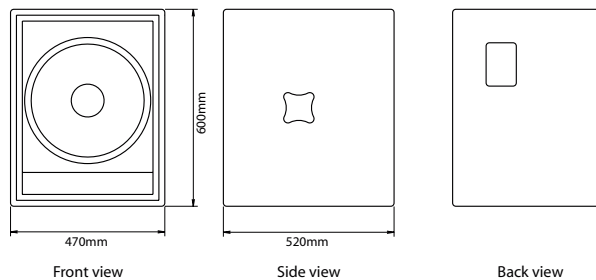
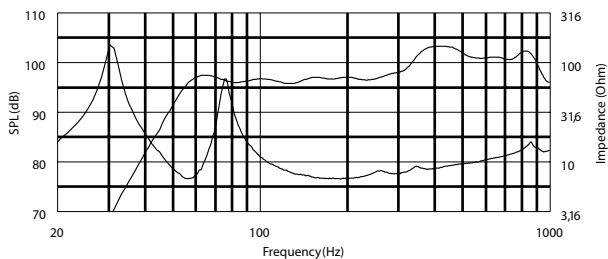
The enclosure is easy to handle with two butterfly handles and equipped with an M20 attachment for K&M distance rod, black painted perforated steel grille and black acoustical foam.



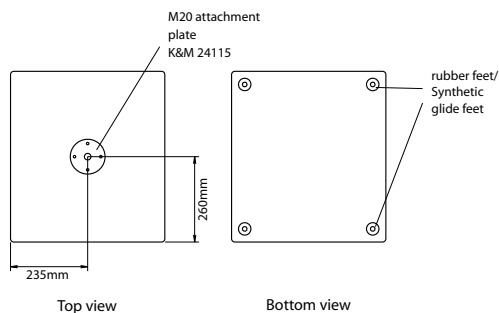
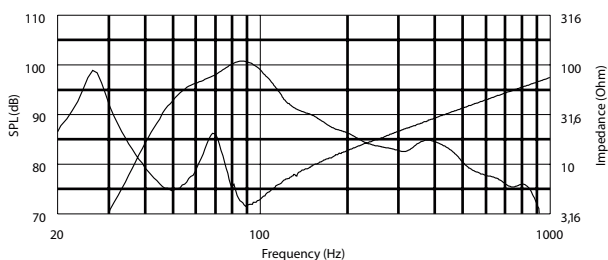
<b>Design</b>	Bassreflex system with lowpass filter: „Electronic Assisted“ bandpass
<b>Frequency response -10 dB</b>	42 Hz - 2 kHz
<b>Frequency response ±3 dB</b>	49 Hz - 1,3 kHz
	49 Hz - 120 Hz with lowpass filter
<b>Crossover frequency</b>	120 Hz with lowpass filter
<b>Power handling</b>	600 Watt
<b>Sensitivity 1 W/1 m</b>	100 dB (50 Hz - 120 Hz) with lowpass filter 97 dB (50 Hz - 300 Hz) active set-up
<b>Max SPL</b>	130 dB (SPL peak/1 m)
<b>Components</b>	15" long excursion transducer, double-spider, 114 mm voice coil, inside and outside air-cooled
<b>Crossover</b>	switchable lowpass filter 120 Hz
<b>Rated impedance XO ,ON'</b>	6 Ω, Zmin. 4 Ω
<b>without XO, resp. XO ,OFF'</b>	8 Ω, Zmin. 6 Ω
<b>Connectors</b>	2 x Speakon NL4MP 1+/1-
<b>Additional descriptive data</b>	18 mm birch plywood with scratch-proof polyurethane grey paint, two butterfly handles, M20 attachment for K&M distance rod, black painted perforated steel grille with black acoustical foam
<b>Dimensions</b>	470 x 600 x 520 mm (W x H x D)
<b>Weight</b>	36 kg
<b>Options</b>	transport cover with butterfly catch, swivel castors, painted in RAL colours

# SW 115D-XO

## Frequency response "on axis"



## Frequency response "on axis" with lowpass filter



All measurements: Far field conditions. Frequency response 1/6 octave averaged. Kling & Freitag reserves the right to change all specifications without notice. We are not liable for misprints.

## Architects' & engineers' specifications

High-power subwoofer loudspeaker system with switchable lowpass filter, frontloaded with one 15" long excursion transducer in a bassreflex enclosure. Increased SPL by bandpass function of enclosure and lowpass filter. Inside and outside air-cooled 114 mm voice coil with double spider. Compact enclosure 18 mm birch plywood with scratch-proof polyurethane grey paint, 2 butterfly handles, black painted perforated steel grille with black acoustical foam, M20 attachment for K&M distance rod.

### Technical specifications:

Frequency response: 42 Hz - 2 kHz (-10 dB), 49 Hz - 1.3 kHz ( $\pm 3$  dB), with lowpass filter: 49 Hz - 120 Hz ( $\pm 3$  dB), Max SPL: 130 dB (SPL peak/1 m), Sensitivity (1 W/ 1 m): 97 dB (50 Hz - 300 Hz), with lowpass filter: 100 dB (50 Hz - 120 Hz), Power handling: 600 W, rated impedance (XO ,ON') 6  $\Omega$ , Zmin. 4  $\Omega$  / (XO ,OFF') 8  $\Omega$ , Zmin. 6  $\Omega$ , Connectors: 2 x Speakon NL4MP, Size (W x H x D): 470 x 600 x 520 mm exclusive castors, Weight: 36 kg, Options: transport cover with butterfly catch, swivel castors, painted in RAL colours.

**Model: Kling & Freitag SW115D-XO**

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