# SW 118E

- 1 x 18" top-of-the-line Subwoofer, direct radiation
- Designed for mobile use
- 'XO' version with switchable low-pass filter (optional)
- Minimal dimensions, suspendable
- Frequency range down to 30 Hz (-10 dB)
- High attainable maximum sound pressure level 130 dB (peak/ 1 m / full room)
- Heavy-duty 18" chassis (7 kW peak), max. excursion +/-25 mm

When a strong sub-bass foundation is desired, the high power Subwoofer SW 118E is the ideal supplement to the K&F Full Range Systems of the CA and the Line Series.

The SW 118E is fitted to the needs of mobile use (the version SW*i* 118E is available for fixed installations).

The extremely compact dimensions of the SW 118E are just as convincing as the enormous sub-bass and the attainable maximum sound pressure.

The SW 118E is designed for universal use at the highest level. The subwoofer reproduces a lower frequency of 30 Hz for use as low frequency range system in theaters or in the cinema as well as the precise contoured bass punch at live and club events. The SW is suspendable with four Ancra-Jungfalk flying points, and is, therefore, also recommended for flown operation.

The SW 118E is equipped with a newly developed 18" chassis which can bear peaks of up to 7 kW, and because of its high linear deflection, it is capable of moving large volumes of air. The frictional losses and distortions which normally occur because of the high air velocity have been substantially reduced because of a new tunnel and enclosure design. Compared to conventional constructions, the exponential tunnel geometry of the SW 118E plays a crucial role in the outstanding performance and the compact dimensions.

Optionally, the SW 118E can be delivered with a selectable low-pass filter which facilitates, as desired, simple parallel operations with the K&F Full Range Systems or the operation with an external active electronic system, i.e. with the K&F CD 44 digital system controller.

The SW 118E is an impressive bass system which combines excellent reproduction in the low-frequency-range with excellent sound pressure in compact form and is recommendable for a wide variety of professional uses.

| Loudspeaker | |
|---|---|
| Design | Bass reflex system with exponential tunnel geometry |
| Operated with | K&F SystemRack, K&F TOPAS, K&F CD 44, Lab.Gruppen IPD 2400, passive (only with ‚XO') |
| Freqency range -10 dB | 30 Hz - 2.5 kHz |
| Frequency range ±3 dB | 38 Hz - 300 Hz |
| Crossover frequencies | maximum 110 Hz with option XO 'ON' |
| Power handling | 700 W nominal[1)]<br>1400 W programme[2)] |
| Sensitivity 1 W / 1 m | 97 dB (40 Hz - 300 Hz)<br>98 dB (40 Hz - 110 Hz) with option XO 'ON' |
| Max. SPL | 130 dB (SPL peak / 1 m / free field, equivalent 140 dB half room) |
| Components | 18" long excursion chassis, double spider, 100 mm voice coil, internal and external ventilation, demodulation rings (double DDR) for lowest distortions |
| Impedance (nominal) | 8 Ω |
| Connectors | 2 x Speakon NL4MP (1+/1-) |
| | |
| | Frame-reinforced enclosure out of15 mm multiplex with highly resistant structured paint (PU) in black,<br>2 ergonomic butterly handles,<br>K&M mounting plate M20 distance pole,<br>4 non-abrasive plastic sliders,<br>stacking grooves for stacking identical enclosures,<br>4 x 100 mm rear mounted transport castors<br>2 locking profiles for optional transport cover,<br>ball-proof steel grille with exchangeable black acoustic foam |
| Flyware | 4 flying points 'allsafe JUNGFALK' |
| Dimensions (W x H x D) | 600 x 682 x 770 mm (incl. castors) |
| Weight | 49.8 kg |
| Options | 'XO' switchable low-pass filter (51.5 kg),<br>'barrier strip' instead of speakon connectors,<br>'without 100 mm castors',<br>'Outdoor Mobile',<br>'special finish in RAL colours' |
| Accessories | see Catalog or www.kling-freitag.com |

All measured values without controller
1) pink noise, 2 h 2) as 1) but with 50% duty cycle

KLING & FREITAG SOUND SYSTEMS

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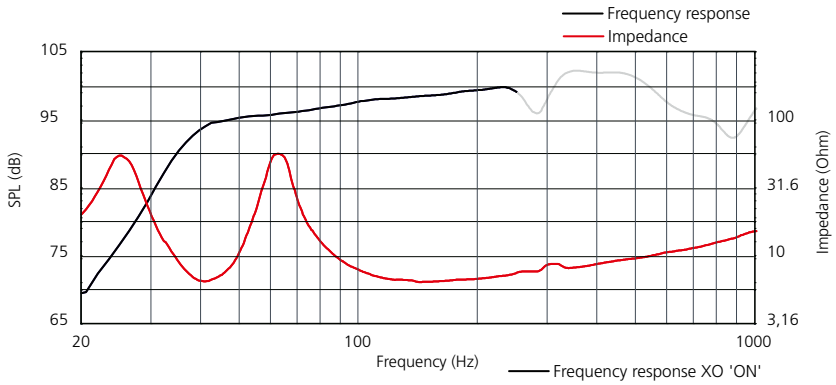
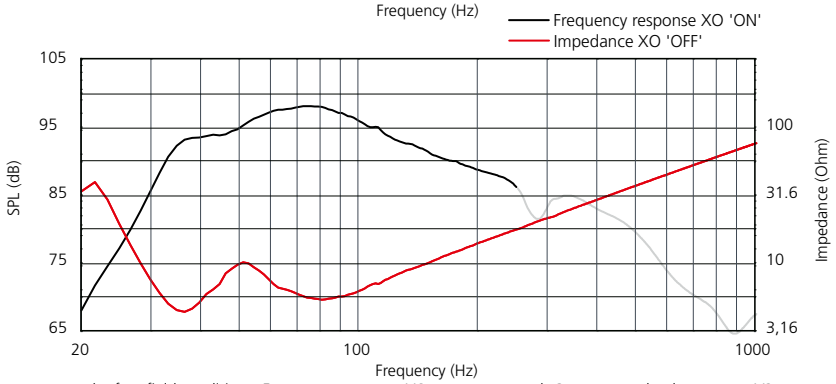
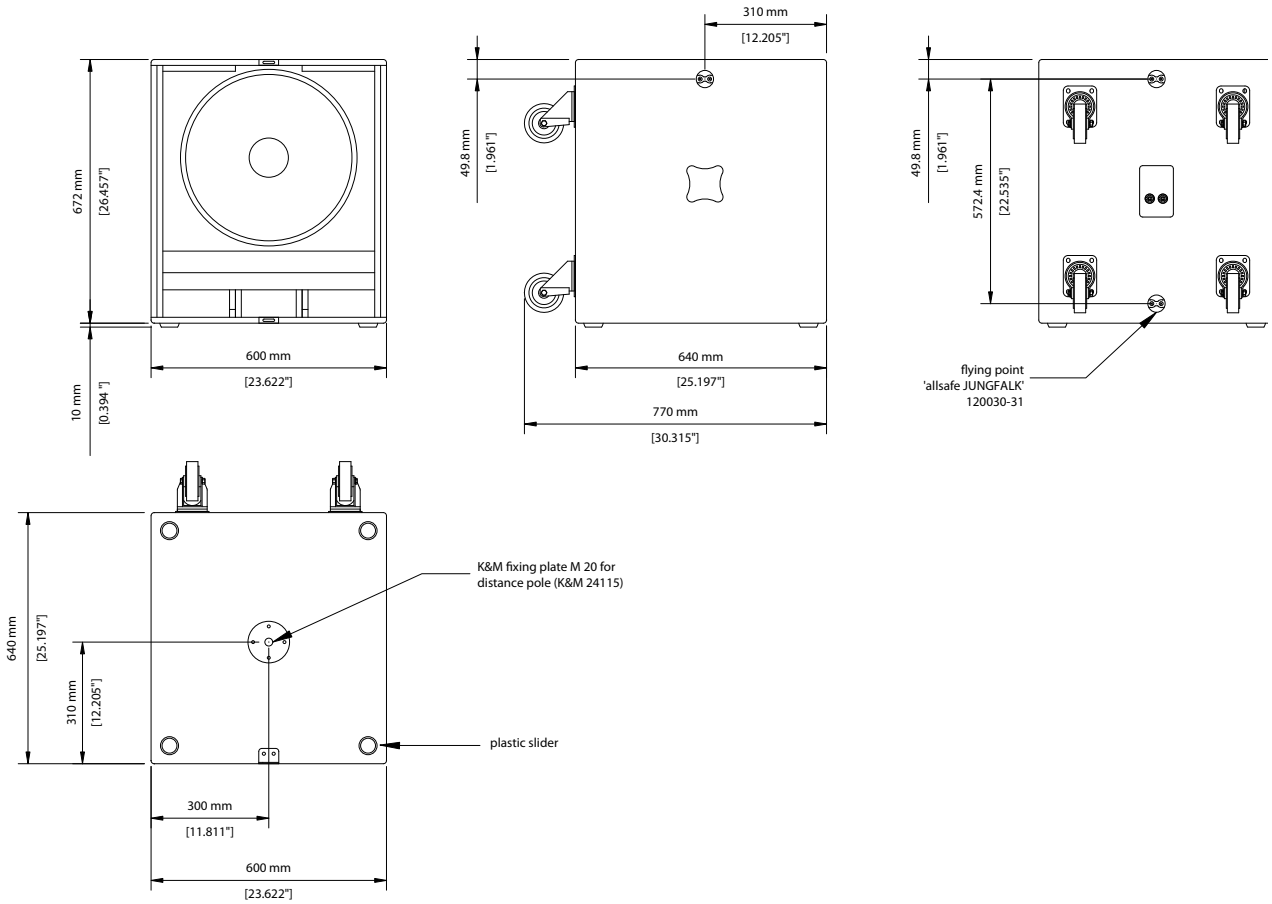



All measurements under free field conditions. Frequency patterns 1/6 octave averaged. Coverage and polar pattern 1/3 octave averaged.
The manufacturer reserves the right to make product alterations to improve product quality without prior notice. Errors excepted.




Further information and data like specifications, manuals, technical drawings as DWG, DXF and PDF files as well as data files for acoustic simulations with Ease and Ulysses are available on our web site
**www.kling-freitag.com**

**KLING & FREITAG GmbH**
Junkersstrasse 14
D-30179 Hannover
Tel. +49 (0)511 96 99 7-0
Fax +49 (0)511 67 37 94