

# K&F SW 118E – SP



- 1 x 18" subwoofer with integrated driver and amplifier technology
- Bass reflex enclosure in direct radiation design with exponential tunnel geometry
- Mobile version with castors and flying points
- Max. SPL 127 dB (peak/1 m/half space)

The SW 118E – SP is an active plug-and-play subwoofer and is an ideal extension to the passive K&F speakers and the active full-range systems of the K&F SP series.

With a frequency range extending as low as 30 Hz and a maximum sound pressure level of 133 dB the SW 118E – SP is equally at home as an outstanding bass system in theatres, cinemas or all-purpose halls or as a powerful and precise basic low-frequency set-up in discotheques and live clubs or as a compact P.A. High-quality self-powered systems can be assembled in parallel operation with the active SP full-range systems. When supplementing the passive K&F full-range systems the SW 118E – SP active subwoofer is driven separately.

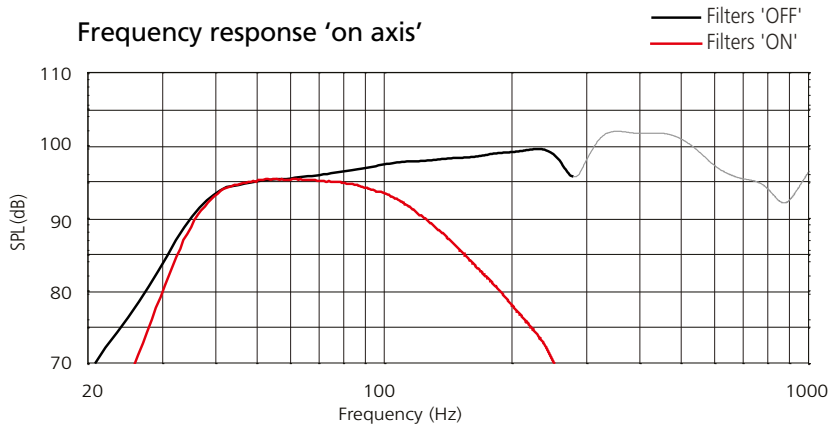
The innovative, fan-free system electronics weigh only 2.5 kg and include the digital 1 kW Class D power amplifier and an elaborate limiter section (RMS and peak limiters). Here too the system equalization, cut-off frequency and phase response are defined.

Butterfly handles, flying points, M 20 adapter, castors and stacking feet with corresponding grooves are all standard equipment.

The excellent performance data and simple handling of the SW 118E – SP set new standards in top class professional active subwoofers.

<b>Loudspeaker</b>	
Design	Bass reflex system with exponential tunnel geometry, integrated driver and power amplifier technology
lower cut-off frequency -10 dB	30 Hz (FILTERS 'ON')
Frequency range $\pm 3$ dB	38 Hz - 300 Hz (FILTERS 'OFF'), 37 Hz - 115 Hz (FILTERS 'ON')
Max. SPL	127 dB (SPL peak/1 m/half room)
Components	18" long excursion chassis, double-spider, 100 mm voice coil, internal and external ventilation, demodulation rings (double DDR) for lowest distortions
Input connectors	LINE IN: XLR 3-Pol female, LINE OUT: XLR 3-Pol male, parallel zu LINE IN, Pin 1=ground/Pin 2=signal/Pin 3=-signal
Power connectors	1 x Neutrik PowerCon lockable, 1 x input and 1 x output
<b>Input module</b>	
Input sensitivity	+6 dB / 1.55 Vrms for rated output
Input impedance	50 k $\Omega$ (balanced/unbalanced)
Common mode rejection	Min.: 74 dB, typical: 90 dB
Controls	Level control $\pm 6$ dB, bypass switch for the active filters (for operations i.e. K&F System Controller), ground lift switch
Display	Bi-coloured LED: green = Power On, red = Limit / Protect
Driver circuit	High pass 32 Hz (-3 dB), 24 dB / octave (FILTERS 'ON'), Low pass 110 Hz (-6 dB), 24 dB / octave (FILTERS 'ON'), Phase correction, frequency equalisation (EQ), peak limiter, RMS limiter
<b>Amplifier module</b>	
Type	Class D
Power	1000 W @ 8 $\Omega$ (EIAJ)
Power bandwidth	10 Hz to 30 kHz
Damping factor	>500 (100 Hz), >100 (10 kHz)
S/N ratio	>105 dB (A)
Cooling	Air convection (without fan)
Protection circuits	Short circuit, over-temperature, clipping, overload
Supply voltage	230 V version: AC 195-250 V, 50 / 60 Hz
alternative	115 V version: AC 95-125 V, 50 / 60 Hz
Power consumption nominal	@ 230 V: 1.25 A      @115 V: 2.5 A
Burst current (I <sub>rms</sub> <500 ms)	@ 230 V: 7 A      @ 115 V: 14 A
Idle Current	@ 230 V: 200 mA      @ 115 V: 400 mA
<b>Enclosure</b>	
	15 mm birch plywood with highly resistant black structured paint (PU) in RAL 9005 (black), 2 ergonomic butterfly handles, K&M mounting plate M20 for distance pole, 4 non-abrasive plastic sliders, 4 rear mounted 100 mm transport castors, 2 locking profiles for optional transport cover, ball proof steel grille with exchangeable acoustic foam (black) in front of the grille
Weight	52.3 kg
Colour	RAL 9005 (black)
Dimensions (W x H x D)	600 x 680 x 770 mm (incl. castors)
Option	'without 100 mm transport castors', 'special finish in RAL colours'
Accessories	see catalog or <a href="http://www.kling-freitag.com">www.kling-freitag.com</a>

Frequency response 'on axis'



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

