

K&F SWi 118E – SP



- 1 x 18" subwoofer with integrated driver and amplifier technology
- Bass reflex enclosure in direct radiation design with exponential tunnel geometry
- Suited for fixed installations
- Max. SPL 127 dB (peak/1 m/half space)

The SWi 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 SWi 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 SWi 118E - SP active subwoofer is driven separately.

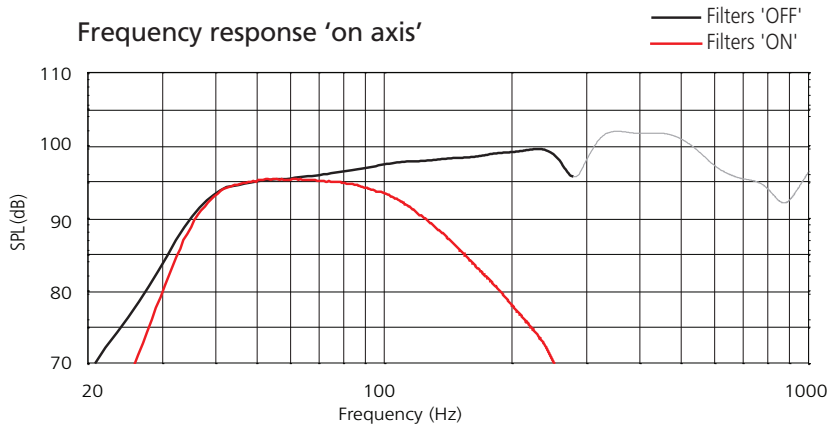
The innovative, fan-free system electronics weigh only 2.5 kg and include the digital 1 kW Class D power amplifier and an elaborate limiter section (RMS and peak limiters). Here too the system equalization, cut-off frequency and phase response are defined.

12 concealed M 12 thread inserts, which serve as variable flying points or can be used to attach supports or suspension frames, are standard equipment.

The excellent performance data and simple handling of the SWi 118E - SP set new standards in top class professional active subwoofers. Ideal for fixed installations of the highest standard.

Loudspeaker	
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 ± 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	Neutrik PowerCon, lockable, 1 input and 1 output
Input module	
Input sensitivity	+6 dB / 1.55 Vrms for rated output
Input impedance	50 k Ω (balanced/unbalanced)
Common mode rejection	Min.: 74 dB, typical: 90 dB
Controls	Level control ± 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
Amplifier module	
Type	Class D
Power	1000 W @ 8 Ω (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 _{rms} <500 ms)	@ 230 V: 7 A @ 115 V: 14 A
Idle Current	@ 230 V: 200 mA @ 115 V: 400 mA
Enclosure	
	15 mm birch plywood with highly resistant black structured paint (PU), 12 x M12 thread inserts (concealed), ball proof steel grille with exchangeable black acoustic foam
Weight	52.3 kg
Colour	RAL 9005 (black)
Dimensions (W x H x D)	600 x 680 x 770 mm
Option	'special finish in RAL colours'
Accessories	see catalog or www.kling-freitag.com

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.

