

K&F SW 215E – SP



- 2 x 15" high-performance subwoofer with integrated driver and power amplifier technology
- Frequency range down to 36 Hz (-10dB)
- Stacking grooves for single or clustered Line 212 systems
- High achievable maximum sound power level 132 dB (peak/1 m/half room)

The SW 215E – SP is a highly flexible active plug-and-play subwoofer system for applications in which a powerful and highly differentiated bass reproduction with high sound pressure is needed. While doing so, the SW 215E – SP is also an excellent bass supplement to the passive K&F speakers and the models from the active K&F SP Series.

Combinations with the K&F Line 212 systems harmonise extremely well. Using the stacking foot grooves on the top and the side, the Line 212 systems can easily be stacked on top of vertically or horizontally positioned SW 215E – SP.

The active system electronics include convection-cooled and highly efficient digital power amplifiers with a total output of 2 kW. They take care over the system equalisation, determine the cut-off frequency, and optimise the phase characteristics. An elaborate limiter section with RMS and peak limiters provides for high operating safety.

The optional 'Suspension' version of the SW 215E – SP enables not only horizontal but also vertical 'flying' of the subwoofer. For a fast and safe set-up, the rigging system 'Click & Fly' Flyware, which is 'BG certified' and compatible to the Line 212 System, is recommendable.

The SW 215E – SP is an impressive 'self powered' subwoofer with excellent bass reproduction while having extremely compact dimensions and is, therefore, well suited for a wide variety of high-level professional uses.

Loudspeaker	
Design	Bass reflex system with exponential tunnel geometry, integrated driver and power amplifier technology
Lower cut-off freq. -10 dB	36 Hz (FILTERS 'ON'), 36 Hz (FILTERS 'OFF')
Frequency range ± 3 dB	42 Hz – 250 Hz (FILTERS 'OFF'), 45 Hz – 100 Hz (FILTERS 'ON')
Max. SPL	132 dB (SPL peak/1 m/half room)
Components	2 x 15" long excursion chassis, double spider, 100 mm voice coil, internal and external ventilation, aluminum demodulation ring for lowest distortions
Signal connectors	LINE IN: XLR 3 pin female, LINE OUT: XLR 3 pin male, parallel with 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
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 operation i.e. K&F System Controller), ground lift switch
Display	Bi-colored 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 (2 x)	
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 ration	>105 dB (A)
Cooling	Air convection (without fans)
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: 2.2 A @ 115 V: 4 A
Burst current (I _{rms} <500 ms)	@ 230 V: 9 A @ 115 V: 18 A
Idle Current	@ 230 V: 360 mA @ 115 V: 720 mA
Enclosure	
	15 mm birch plywood with highly resistant black structured paint (PU) in RAL 9005 (black), 4 ergonomic butterfly handles, 4 integrated handles, K&M mounting plate M20 for distance pole, 8 non-abrasive plastic sliders, stacking grooves for stacking identical enclosures and Line 212 as single units or clustered, 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	72.4 kg
Colour	RAL 9005 (black)
Dimensions (W x H x D)	481 x 1026 x 770 mm (incl. castors)
Options	'Suspension' with 6 flying tracks 'allsafe Jungfalk', 'special finish in RAL colours'
Accessories	see catalog or www.kling-freitag.com



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.

