

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.

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| 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 (Irms/<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 |

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.

