

# SWi 115D - SP



- 1 x 15" subwoofer with integrated driver and amplifier technology and high power-handling capacity
- Bass reflex enclosure in direct radiation design
- Suitable for fixed installations
- Max. SPL 133 dB (peak / 1 m / half space)

The SWi 115D - SP is an active plug-and-play subwoofer and its outstanding power spectrum makes it the ideal bass extension to the passive K&F speakers and the active models of the K&F SP series.

The SWi 115D - SP, which is capable of reproducing frequencies as low as 40 Hz powerfully and with precision, was designed for applications requiring high sound pressure levels in the bass frequency range while having modest dimensions and a high degree of mobility: in media and conference rooms, lecture halls, live clubs, as well as theatres, discotheques and exhibition booths. In parallel operation the SWi 115D - SP is impressive as part of a high-quality self-powered compact system, separately it can supplement passive K&F full-range systems.

The innovative, fan-free system electronics weigh only 2.5 kg and encompass the digital 1 kW Class D power amp and an elaborate limiter section (RMS and peak limiters). They take care of the system equalization, optimize the phase and frequency response and define the frequency range.

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

With its integrated active electronics the SWi 115D - SP is highly recommended in terms of flexibility, handling and performance when it comes to fixed installations of the highest quality.

Loudspeaker	
Design	Bass reflex system with integrated driver and power amplifier technology
lower cut-off frequency -10 dB	42 Hz ('FILTERS ON')
Frequency range $\pm 3$ dB	49 Hz - 1,3 kHz ('FILTERS OFF'), 40 Hz - 120 Hz ('FILTERS ON')
Max. SPL	127 dB (peak / 1 m / free field, equivalent 133 dB half room)
Components	15" long excursion chassis, double spider, 114 mm voice coil, internal and external ventilation
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
Power connectors	Neutrik PowerCon, lockable, 1 input and 1 output
Input module	
Input connectors	Pin 1 = ground / Pin 2 = + signal / Pin 3 = - signal LINE IN: XLR 3-Pol female LINE OUT: XLR 3-Pol male, parallel zu LINE IN
Input sensitivity	+6 dB / 1.55 V <sub>rms</sub> 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 Controller C2), 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 $\Omega$ (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
Enclosure	
	18 mm frame-reinforced birch plywood with highly resistant black structured paint (PU), ball proof steel grille with exchangeable black acoustic foam,
Rigging	8 concealed M 12 mounting points
Dimensions (W x H x D)	470 x 600 x 520 mm
Weight	39.5 kg
Option	special finish in RAL colours
Accessories	see catalog or website <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.

