

- Compact 1 x 12" top class subwoofer, direct coverage, bass-reflex
- 'i'-version for fixed installations with M 12 thread inserts
- Low frequency range down to 41 Hz (-3 dB)
- High possible maximum sound pressure level 124 (130) dB Peak/ 1 m far field (half space)
- High load capable 12" chassis (1 kW Peak) with +/-14 mm max. excursion

Sound quality, performance and minimal dimensions make this subwoofer the ideal low range supplement for the K&F Full-Range Systems. Especially when simple use and minimal required space are crucial.

The model SWi 112 has been optimised for fixed installations (the versions SW 112 is the alternative available for mobile use).

Thanks to its compact size and the optionally available rigging points, the SWi 112 can be quickly, safely and inconspicuously 'architecturally' integrated in inserted ceilings or wall panellings. When laying down or standing up, the SWi 112 requires very little space. The twelve concealed M 12 mounting threads of the standard version enable the suspended installation.

The SWi 112 is designed for universal use at the highest niveau. While achieving an impressive 41 Hz (-3 dB), the subwoofer also bears highest levels with a maximum of 130 dB (half space)! The exact and dynamic low range reproduction allow for use in auditoriums, media and conference rooms, as well as in small clubs, theatres, church and community halls.

The SWi 112 is equipped with a newly developed 12" chassis with a 100 mm sandwich voice coil ventilated on all sides, as well as a '3-wave' surrounding. Up to 1 kW amplifier gain can be uncompromisingly processed with high linear excursion of the cone without losing power level from heating of the voice coil during continuous load (power compression). Compared to conventional bass-reflex constructions, the SWi 112 is equipped with exponential tunnel geometry which avoids frictional loss and distortion from high air speeds

The SWi 112 can be optionally equipped with a low-pass (XO) which can be selected with an 'ON / OFF' switch and allows for simple parallel operations with K&F Full Range Systems or without XO in combination with the K&F CD 44 digital system controller.

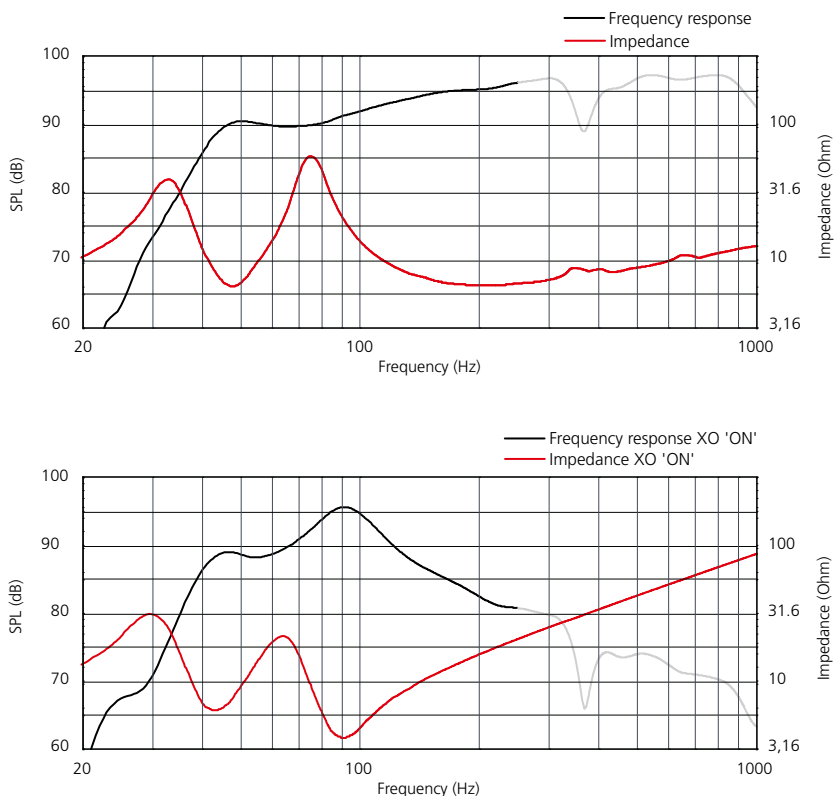
The SWi 112 is a subwoofer system that offers an excellent low-range reproduction with a noteworthy sound pressure level and minimal dimensions. Ideal for all installations where high quality in a minimum space is crucial.



Loudspeaker	
Design	Bass-reflex system with exponential tunnel geometry
Frequency range -10 dB	35 Hz - 2.5 kHz
Frequency range ±3 dB	41 Hz - 350 Hz
Power handling	500 W nominal ¹⁾ 1000 W programme ²⁾
Sensitivity 1 W / 1 m	92 dB (45 Hz - 350 Hz)
Max. SPL	124 dB (SPL peak / 1 m / free field, equivalent 130 dB half room)
Components	12" long excursion chassis, 100 mm voice coil, internal and external ventilation
Impedance (nominal)	8 Ω, Zmin. 6 Ω
Connectors	2 x Speakon NL4MP (1+/1-)
Enclosure	
	Frame-reinforced enclosure out of 15 mm multiplex with highly resistant structured paint (PU) in black, ball-proof steel grille with exchangeable black acoustic foam
Flyware	12 x M12 thread inserts (concealed),
Dimensions (W x H x D)	470 x 370 x 520 mm
Weight	27 kg
Options	'barrier strip' instead of speakon connectors, '100 volt' version with 300 VA triodal transformer (29.5 kg), 'Outdoor Installation', 'special finish in RAL colours'
Accessories	see Catalog or www.kling-freitag.de

All measured values without controller

¹⁾ pink noise 40 - 400 Hz, 2 h ²⁾ as ¹⁾ but with 50% duty cycle



All measurements under free field conditions. Frequency patterns 1/6 octave averaged. Coverage and polar pattern 1/3 octave averaged. The manufacturer reserves the right to make product alterations to improve product quality without prior notice. Errors excepted.

