

SUBTECH 218



FEATURES

- High efficiency subwoofer with two 18" long-throw woofers with special aligner to maintain performance through the years.
- Very high power handling (6000 Watts AES peak) and maximum sound pressure (143 dB SPL peak at 1 metre). Also available in high-power self-powered format with the same possible standard performances.
- The woofers are fitted in separate chambers to ensure operation even in the event of the breakage of one component; it is possible to connect two different signals, stereo and/or the use of two separate amplification channels.
- Equipped with Outline's proprietary "Fast Hanger" hanging system for fast reasonably priced flying.
- The cabinet is internally braced to ensure the utmost sturdiness, free from harmful sound "colouring" due to resonance; an optional trolley with sturdy smooth-running wheels facilitates transport, even on relatively uneven surfaces.

APPLICATIONS

- No-nonsense use in "live" concerts of all sizes, floor or stage mounted and combined with other units of the same type for sound reinforcement of low and ultra-low frequencies.
- High quality permanent indoor or outdoor installations. An ideal match for all Outline loudspeaker systems.

DESCRIPTION

Subtech 218 is a loudspeaker system suited to high-quality sound reinforcement of low and ultra-low frequencies by the use of two by 46 cm. woofers with a special aligner to keep their resonance frequency steady through the years.

Loading is of the phase inversion type with the enclosure tuned at a rather low frequency by a long port with a large surface area. Allowing to obtain a wide passband and a considerable extension towards the bottom end of the frequency response.

The performance is very high thanks to the careful choice of the reflex alignment and the construction of the cabinet. The SubTech 218 has a useable frequency range at -10 dB of from 26 Hz to 500 Hz, while the response is just +/-3 dB from 35 Hz to 350 Hz.

The max sensitivity is 105 dB in half space and the maximum continuous AES power, 1500W gives 134 dB SPL in free-field and 137 dB SPL in half-space, while peak values even reach 143 dB SPL. The front of the cabinet is protected by an anti-resonant steel grille covered with sound-transparent foam. The rectangular cabinet is built in high quality 15mm. Baltic plywood, strengthened by the complex internal structure and suitably positioned internal bracing to eliminate any resonance of the cabinet's sides. The black outer finish is in high quality scratch-resistant paint. The cabinet has 6 fast flying points, that makes vertical or horizontal hanging of numerous units simultaneously extremely easy and reliable, by using the appropriate optional accessories. The front of the enclosure has recessed sockets for fitting an optional trolley, for handling and protecting the front during transport even on uneven surfaces. Ten recessed integrated handles in the side panels of the cabinet are used for a positive grip during handling.

SUBTECH 218 SP

Also available the version Self Powered featuring the same above performances through a PWM power amplifier module (AMDF 2KHV-01) fit inside.

TECHNICAL SPECIFICATIONS:

FREQUENCY RESPONSE	(-10 dB) (±3 dB)	26Hz – 500Hz 35Hz – 350Hz
AVERAGE DISPERSION	Quasi – Omnidirectional	
IMPEDANCE (Ohms)	Tot (min)	4 (3,5 @ 32Hz)
MAX SENSITIVITY (dB SPL 1W 1m)	105 (Half – space)	
POWER - WATTS AES	Cont. 1500	Peak 6000
MAX DB SPL (peak @ 1 m)	Cont. 137	Peak 143

CONNECTORS	NL4FC	
LOUDSPEAKERS AND LOADING	LF	2x18" high-pass vented box
WEIGHT (KG)		
Net (gross)	80(88)	
DIMENSIONS (CM)		
Height (with packing)	110(117)	
Width (with packing)	65 (75)	
Depth (with packing)	60 (68)	