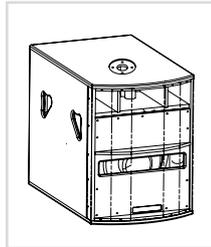


40SW18 • 40SW18/A

Passive/active 18" professional subwoofers

FORTY series



DESCRIPTION

Compact and robust *band-pass* subwoofers. They were designed to guarantee strong acoustic performance and deep reproduction of ultra-low frequencies. These subs are suggested for use in high-power professional systems with multi-amplification.

COMPONENTS

The 40SW18 and 40SW18/A have inside them an 18" woofer with enamelled copper coil, to guarantee maximum protection against thermal overload. The membrane is weatherproof and resistant to extreme temperatures and humidity levels. The basket has an Aluminium heat sink.

CABINET

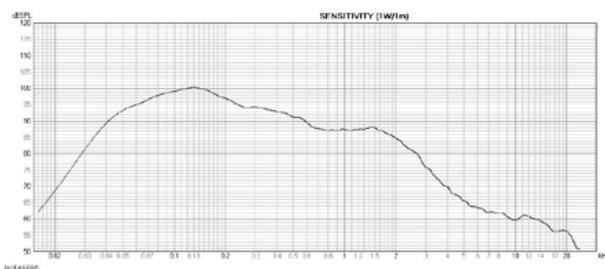
The cabinet of these subs is made of high-density Baltic birch plywood providing excellent structural rigidity. The section and loading of the subwoofer cabinet are optimized depending on the transducer parameters to guarantee maximum overall efficiency and extension in frequency response. Moreover, both models have impact-resistant grilles and a foam dust-protection lining inside that is transparent to sound.

VERSIONS

An active version of this model is available (40SW18/A), with a 500 W digital amplifier using switching technology and a DSP (*Digital Signal Processor*), with 2 different low-pass frequency cuts that the user can select through a switch located on the rear panel.

In compliance with European Standards **CE** - Certified by Italian Quality Institute

FREQUENCY RESPONSE



TECHNICAL FEATURES

System configuration (40SW18)	passive subwoofer
System configuration (40SW18/A)	active subwoofer
Power handling RMS	600 W
Power handling Music	1200 W
Power handling Peak	2400 W
Frequency response (-6 dB)	40÷120 Hz
Nominal impedance (40SW18)	8 Ω
Axial sensitivity (1W@1m)	100 dB
Continuous SPL (@1m)	128 dB
Peak SPL (@1m) (40SW18)	134 dB
Peak SPL (@1m) (40SW18/A)	130 dB

TRANSDUCERS

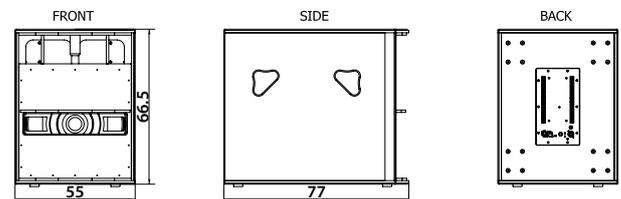
LF sub system	1x18"
Nominal Impedance	8 Ω
Nominal power handling (AES)	600 W
Sensitivity (1W@1m)	99 dB

AMPLIFIER DATA (40SW18/A)

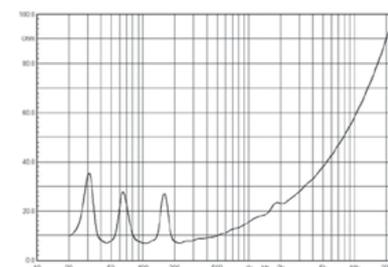
Audio input	XLR with loop through - max +10 dBu
Panel indicators	LED: power, signal, limit
Panel controls	Mode A (90 Hz)/Mode B (110 Hz) switch, level control
DSP processing	24 bit/96 kHz (2 sel. presets)
Amplification power	500 W - class D
Efficiency	> 90% typical
Protection systems	over current, temperature, brownout, soft start
AC power connector	Neutrik® powerCON
AC power operating range	automatic 115/230 VAC ± 10%, 45/65 Hz

PHYSICAL

Cabinet	birch plywood
Colour	black
Input connectors (40SW18)	2 x NL4 Neutrik® speakON
Grille	perf. steel (Ø 6 mm, 7.2 mm step) with acoustically transparent foam
Dimensions (WxHxD)	50 x 66.5 x 77 cm
Net weight (40SW18)	39.5 kg
Net weight (40SW18/A)	40.5 kg



IMPEDANCE RESPONSE (40SW18)



SOUND REINFORCEMENT

CONTROLLED RADIATION

ACOUSTIC RESEARCH