



T SERIES

HL 118

Compact 18" bass horn which delivers high sound pressure levels from 50 Hz and above. Precise, clear response excels at reproducing impulse-based signals such as kick drums, etc.

Designed especially for use with HK AUDIO VT 112 II F or HK AUDIO VT 212 II F mid/high modules. Ideal for live sound applications and installation projects where powerful yet natural bass reproduction is needed.



Technical Specifications:

Power Handling Nominal (RMS):	600 W
Power Handling Program:	800 W
Frequency Response:	40 Hz – 200 Hz ± 3 dB
Axial Sensitivity 1W / 1m:	103 dB* (97 dB in full space)
Maximum SPL / 1m:	136 dB* @ 10 % THD (130 dB in full space)
Nominal Impedance:	8 Ohms
Bass Driver:	(1) 18" HK AUDIO custom woofer with 4" voice coil, horn-loaded
Recommended X-over Frequency:	80 - 200 Hz, 24 dB/octave
Connectors:	(2) Speakon NL 4, (1) XLR male, (1) XLR female
Housing:	19 mm (3/4"-thick), 13-ply Baltic birch plywood
Cabinet Surface:	two-part polyurethane lacquer
Front Grille:	metal grille with 15 mm acoustic foam
Handles:	2 recessed metal handles
Pole-mount Cup:	35 mm diameter (1-3/8")
Castors:	(4) 100 mm blue wheels, optional
Weight:	52 kg / 114.5 lb
Dimensions (w x h x d):	50 x 68 x 72 cm (19.5" x 27" x 28")

* measured in half space.



Description

Performance:

The **HL 118** is a horn-loaded subwoofer for use in biamped sound reinforcement systems. It is especially designed for use in combination with the mid/high modules VT 112 II F and VT 212 II F. Primary applications include live sound reinforcement and fixed installations that require high-SPL, natural-sounding bass reproduction and compact dimensions.

For maximum operating efficiency, the use of an HK AUDIO Digital Field Controller is recommended, or, as an alternative, the analog controller HK AUDIO AC 22 with the appropriate module.

Design and components:

The **HL 118** is a bandpass-horn system. It is loaded with an 18" HK AUDIO custom cone woofer.

Acoustic and electronic details:

The **HL 118** has a frequency range from 40 Hz to 200 Hz (± 3 dB) and a power-handling capacity of 600 watts RMS into an 8-ohm load. The sound pressure level measured at 1W@1m is 103 dB (in half-space), and the maximum sound pressure level (at 1m) is 136 dB (in half-space).

The rear panel of the **HL 118** incorporates two Neutrik NL4 Speakon[®] connectors plus one 3-pin male XLR and one 3-pin female XLR connector, all of which are recessed. All connectors are wired in parallel. Pins 2+ and 2- of the Speakon[®] connectors carry the sub signal, while in the XLR connectors the signal is carried on pins 1 and 2. An HF signal can be passed through to the mid/high module on pins 1+ and 1- of the Speakon[®] connectors.

Physical description:

The cabinet is constructed of 3/4" (19 mm) thick, 13-ply void-free Baltic birch plywood, 19.5" wide by 27" tall by 28" deep (50 x 68 x 72 cm) excluding castors. Weight is 77 lbs (35 kg).

The housing is finished with a waterproof grey two-part polyurethane topcoat. The baffle is protected by a metal grille and durable, 5/8"-thick acoustic foam.

Metal carry handles are recessed in the top and bottom of the cabinet. A pole-mount cup is also flush mounted in the top of the enclosure as a base for satellite systems in combination with the HK AUDIO VT 112 II F mid/high unit.

For greater convenience, optional 100-mm wheels can be mounted on the back panel of the cabinet.



Connector plate:



Architectural Specifications

The loudspeaker system shall be a low-frequency band-pass horn loaded with an 18" subwoofer.

It shall be driven with the aid of the appropriate stereo 2-way system controller, offering 24 db / octave crossover, frequency correction and limiter functions. A passive internal crossover network shall not be included in the system.

System frequency response shall vary no more than ± 3 dB from 40 Hz to 200 Hz measured on axis. The system shall produce a sound pressure level (SPL) of 103 dB on axis at 1 meter with a power input of 1 watt in half space, and shall be capable of producing a maximum output of 136 dB on axis at 1 meter with 10% THD. It shall handle 600 Watts RMS and shall have a nominal impedance of 8 ohms.

The enclosure shall be 19-5/8" wide by 26-3/4" tall by 28-3/8" deep (500 x 680 x 720 mm). Four threaded bushings (M6) for optional wheels shall be included on the back panel of the housing. The enclosure shall be constructed of 3/4"-thick, 13-ply void-free Baltic birch plywood and shall be finished in grey polyurethane. Two recessed metal handles as well as a 35mm pole-mount cup shall be included. Input connectors shall consist of two Neutrik NL 4 Speakon jacks as well as one male and one female XLR connector. The system baffle shall be protected by a perforated metal grille covered with 15 mm acoustic foam.

The low-frequency loudspeaker system shall be the HK AUDIO model **HL 118**.