

HL18HP

Presentation:

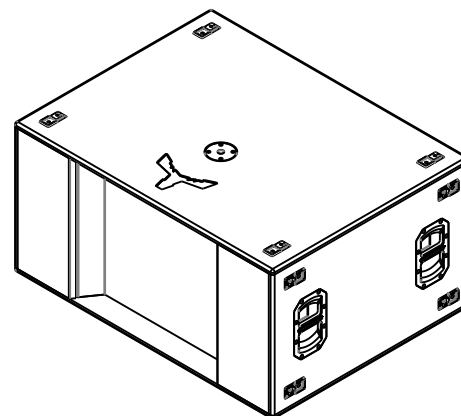
The HL series is a horn-loaded subwoofer range designed to satisfy the need for an extreme high-SPL sub bass loudspeaker system for use in applications requiring accurate and powerful reproduction of low frequency energy at very high levels.

This HL18HP is an extended low frequency 18" high performance subwoofer integrating a LF Neodymium transducer with a state-of-the-art 5,3" diameter ISV copper clad aluminum wire CCAW voice coil, inside-outside split winding, four layers design, enabling the loudspeaker to handle up to 3600W program power, chosen to provide clean, undistorted low frequency reproduction at very high sound pressure levels and able to withstand high power levels without damage. For optimum results recommended amplifier should be able to deliver 3600 Watt program power.

To ensure a perfect matching and avoid undesired vibrations during high SPL operation the enclosures are constructed in 18mm reinforced birch plywood with a rugged and durable polyurea coating.

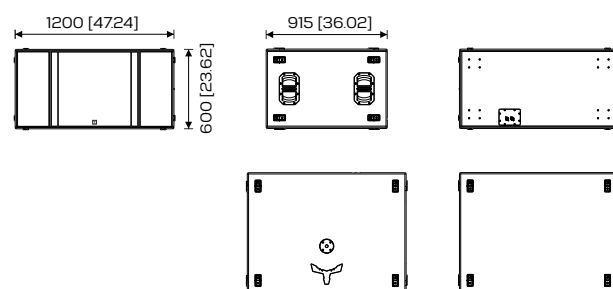
The four ergonomic carrying handles permit a secure grip from all sides and convenient transport and the HL18HP is prepared to fit 4 swivel castors with 16x M6 inserts on the back. There is also a mounting flange with M20 thread for spacer tubes.

The HL series is engineered to provide maximum output with minimal distortion and smooth extended low frequency response and thanks to its long throw range, accuracy, high definition bass reproduction, the HL18/HL218 is suited for both fixed and mobile systems, nightclubs, large scale concert touring and festival applications



Features:

- Paraflex subwoofer
- 1x 18" high performance LF EU transducer
- 5.3in - 135mm, split winding four layers ISV ALU VC
- 1800W AES / 3600W Program power
- 2x NL4 parallel-connected
- Versatile, compact and coherent subwoofer
- Made for an impact bass and high SPL
- Recesses on the top to facilitate the stacking
- Rugged and durable 18mm birch plywood construction
- Powder coated custom perforated steel grille



Dimensions in mm [in]

Technical specifications:

Acoustical

Type	Compact passive subwoofer
Enclosure design	Paraflex C-2E
Power rating (RMS/Peak)	1800W / 7200W
Frequency range	30 - 95Hz (single)
Nominal impedance	80hm
Transducer type	1x 18" neodymium LF EU transducer 5.3in - 135mm Voice coil, 4-layers AL
Crossover frequency	HPF 27Hz, Butterworth 24dB (low cut filter)
SPL (1W/1kHz)	138dB @ 1m (continuous) 143dB @ 1m (peak)
Connector	2x NL4 speakon parallel-connected

Mechanical

Enclosure	18mm birch plywood, rugged polyurea coating
Grille	Custom perforated metal grille w/ acoustic foam
Color	Black or white textured
Hardware	4 rubber feet, 2 side handles Speaker flange with M20 thread Prepared for stacking
Dimensions	1200x600x915mm 47.24x23.62x36.02in
Weight	97Kg 213.85lb

