



USLP218 Low Profile Subwoofer



Inverted landscape mode configuration pictured. (face up)

APPLICATIONS

Low Profile / Under Stage
Theaters
Houses of Worship
Entertainment Venues
Dance Clubs / DJs

FEATURES

28Hz to 180Hz Response
LF Devices: (2) 18 in (457.2mm)
Durable Polyurea Coating
(3) Anti-skid Rubber Strips
Variable Deployment:
Landscape Mode (18" H)
Portrait Mode (18" W)
Multi-Cabinet Arrays
4-Position Terminal Strip

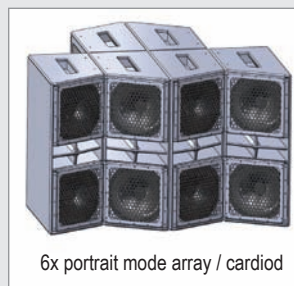
GENERAL DESCRIPTION

Clair Brothers USLP218 is a new double 18" subwoofer specifically designed to fit into height-limited applications. At a mere 18" maximum height, the USLP218 cabinet installs easily below low stages. Typical double 18" subwoofers range from 4.5" to 7" taller.

While USLP218 features a unique physical orientation, it retains Clair Bros. high-performance acoustical profile. Slanting the woofer orientation slightly downward [see typical configuration on next page] produces an efficiency gain of approximately +2.5dB (when compared with pointing upward, as seen above) on account of the boundary interaction with the floor.

In 'landscape mode' (18" height), USLP218 has been designed to fit in tight quarters, however it may also be creatively applied in powerful subwoofer arrays in 'portrait mode'

(rotated orientation to 18" width). Some of these array configuration options offer unprecedented benefits due to the unique geometry of this cabinet. One of the most interesting is a cardioid configuration which requires absolutely no digital signal processing to achieve a cardioid pattern.



OPTIONS & ACCESSORIES

Custom Colors Available

Call or e-mail Clair Brothers for more information on available options.
(717-665-4000) e-mail: sales@clairbrothers.com

USLP218 Low Profile Subwoofer



AUDIO SPECIFICATIONS

Loudspeaker Type	Low Profile	Dual 18in. Subwoofer
Frequency Response (+/- 2dB)	Single Cabinet -10 dB Point	28Hz–180Hz 20Hz
Recommended Power Amplifier		2400–4800W @ 4 Ohms
Sensitivity (1 Watt @ 1 Meter)	LF	100 dB SPL
Maximum Output	Cont. Peak	128 dB SPL 131 dB SPL
Drivers	LF	(2) 18 in (457.2mm)
Nominal Impedance	LF	(2) 8 Ohms
Power Handling	Nominal Peak	1400W 2800W
Input Connection	Standard	(1) 4-Position Terminal Strip

MECHANICAL SPECIFICATIONS

Enclosure	Shell Finish	18mm Baltic Birch Durable Polyurea Coating
Grille		Perforated Steel, Foam Backed
Dimensions	Height Width Depth	18.0 in (457mm) 46.0 in (1168mm) 36.0 in (914mm)
Weight		229 lbs (103.9kg)
Shipping Weight		244 lbs (110.7kg)

Note: All wattage figures are calculated using the rated nominal impedance.

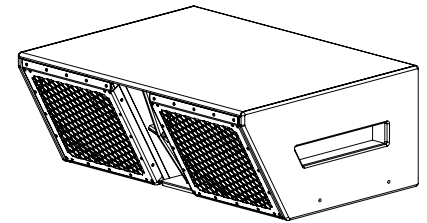
Clair Brothers products are designed to perform optimally by utilizing factory recommended proprietary DSP settings.

USLP218 Terminal Strip Configuration

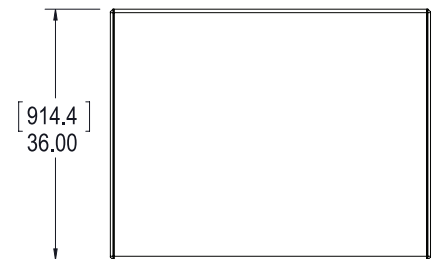
Terminal Color	Use
Black	Low 1 (–)
Red	Low 1 (+)
Black	Low 2 (–)
White	Low 2 (+)



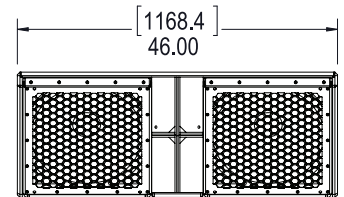
3x portrait mode array



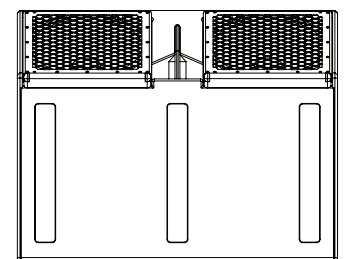
Typical landscape mode configuration pictured. (face down)



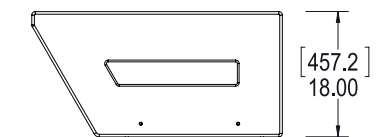
Top



Front



Bottom



Right

ARCHITECT AND ENGINEER SPECIFICATIONS

The loudspeaker shall be a subwoofer system containing a total of two 18" drivers. Power handling capacity shall be 1400 watts RMS nominal and 2800 watts RMS peak. The low frequency drivers each shall be 18" diameter capable of handling 700 watts of pink noise with a 6 dB crest factor for 8 hours (as per EIA RS-426-A standard). The passband frequency range shall be at minimum 28–180Hz with -10dB at 20Hz. Each of two 18" transducers shall have a 4" diameter edge-wound copper ribbon voice coil with a well-vented magnet structure. The motor assembly shall have high thermal capacity and low thermal power compression characteristics. The enclosure shall be constructed of 18mm, 13-ply Baltic birch and be covered with a durable polyurea coating. The cabinet bracing shall be that of a gusset design providing uniform panel rigidity. The cabinet shall include (4) four suspension/anchor points. Dimensions shall be 18.0" high, 46.0" wide, and 36.0" deep. The system weight shall be 229 lbs (103.9kg). The loudspeaker system shall be the Clair Brothers USLP218 speaker.

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Due to constant research, development and improvements all specifications are subject to change without notice.

